

Oral Statement as Prepared for Delivery by

Linda S. Birnbaum, Ph.D., D.A.B.T., A.T.S, Retired Former
Director of NIEHS and NTP

House Committee on Science, Space, and Technology

Hearing on "Strengthening Transparency or Silencing Science?
The Future of Science in EPA Rulemaking"

November 13, 2019

Good morning Chairwoman Johnson, Ranking Member Lucas, and Distinguished members of this Committee. I am Linda Birnbaum, recently retired after 40 years of federal service. I was Director of NIH's National Institute of Environmental Health Sciences and of the HHS' National Toxicology Program the past 10 years. Prior to that I spent 19 years at EPA, for most of it directing the Agency's largest health research division. I have conducted scientific research to better understand how the environment impacts our health, and have published over 800 peer reviewed papers, book chapters, and reports.

I am a member of the National Academy of Medicine, the recipient of the North Carolina Governor's Award for Science, former president of the Society of Toxicology, Vice-president of the International Union of Toxicology, chair of the Toxicology

Division of the American Society of Pharmacology and Experimental Therapeutics, and the recipient of multiple honorary degrees and awards. I have always been involved in the conduct of research, much of which has been used in making policy decisions. My work, and that which I have overseen, has involved basic biomedical research, toxicology, and public health. I have never been a regulator myself.

My comments today are those of a private citizen and do not reflect the views of NIEHS, NIH, or HHS. I want to focus on 3 basic issues. The first is the core values of scientific studies which involve people. Because it is unethical to intentionally expose people to chemicals of concern, observational human studies compare populations who have differing exposures. People provide personal information, such as medical information as well as behaviors, in confidence that their own data will not be openly shared. Human studies require confidentiality to be conducted. It is unethical to reveal individual human data. In many epidemiology studies, scientists and subjects work closely together in design, conduct, interpretation, and communication of the findings. Thus, the second point is that the impact of EPA's proposed transparency rule will make it not only more difficult for human studies to be conducted ethically, but in many cases will make it impossible to use any information collected, not only prospectively, but

looking back at the vast treasure trove of existing investigations.

The third point involves EPA's mandate to use the best available science to protect the environment and public health. Scientific knowledge is constantly evolving. While a given experiment may answer one question, it invariably raises others. There is always some uncertainty in science, but that does not mean that decisions cannot be made, which is why it is so important to use ALL the data. While I am a toxicologist, that does not mean I prefer using animal data when data from people exists! Nature is inherently conservative, and studies in various animal models can inform us about the potential for human risk. We can investigate observed effects mechanistically in animal and cell culture models and then ask whether the same mechanisms exist in humans. Such approaches all provide biological plausibility to human observational studies. When we have several epidemiology studies in different populations conducted by various investigators and achieve the same results, and there is supporting animal and mechanistic evidence, why would we think that we can't believe the findings?

Why would we want to rely solely on 20th century methodologies in the 21st century? Good Laboratory practice only assures that we know what was done, NOT that the right

question was asked. The same can be said of some guideline studies, which may be appropriate when you are looking for effects of pharmaceuticals in an individual, rather than effects of environmental exposures on a population. Small effects may not be measurable in an individual but may have large impacts on a population. For example, developmental exposure to lead results in a loss of several IQ points in a population, which has significant economic and societal costs, but you can't know whether each of us would be a little smarter if we hadn't been exposed to lead. Today we have systematic review of the lead data which confirm that there is no safe level for lead. In fact, the more we look at population data, there is no threshold for many exposures, including arsenic, mercury, and air pollution. Thresholds are often a function of analytical methodology. Why would EPA want to enshrine threshold approaches in regulation?

EPA's proposed transparency rule in fact will block the use of the best science. It will prevent EPA from using the best available science in making policy. In fact, it will practically lead to the elimination of science from decision making. EPA's current proposal would silence science and block its ability to meet its mission of protecting human health and the environment.

Thank you. I welcome your questions.

Short Resume

Linda S. Birnbaum, Ph.D., D.A.B.T., A.T.S. is the former Director of the National Institute of Environmental Health Sciences (NIEHS) of the National Institutes of Health, and the National Toxicology Program (NTP). As a retiree, she was granted scientist emeritus status. As a board-certified toxicologist, Birnbaum served as a federal scientist for 40 years. Prior to her appointment as NIEHS and NTP Director in 2009, she spent 19 years at the U.S. Environmental Protection Agency (EPA), where she directed the largest division focusing on environmental health research.

Birnbaum has received many awards and recognitions. In 2016, she was awarded the North Carolina Award in Science. She was elected to the Institute of Medicine of the National Academies, one of the highest honors in the fields of medicine and health. She was also elected to the Collegium Ramazzini, an independent, international academy comprised of internationally renowned experts in the fields of occupational and environmental health and received an honorary Doctor of Science from the University of Rochester and a Distinguished Alumna Award from the University of Illinois. She also received an Honorary Doctorate from Ben-Gurion University, Israel and Amity University, India; the Surgeon General's Medallion 2014; and 14 Scientific and Technological Achievement Awards, which reflect the recommendations of EPA's external Science Advisory Board, for specific publications.

Birnbaum is an active member of the scientific community. She was vice president of the International Union of Toxicology, the umbrella organization for toxicology societies in more than 50 countries, and former president of the Society of Toxicology, the largest professional organization of toxicologists in the world. She is the author of more than 800 peer-reviewed publications, book chapters, and reports. Birnbaum's own research focuses on the pharmacokinetic behavior of environmental chemicals, mechanisms of action of toxicants including endocrine disruption, and linking of real-world exposures to health effects. She is also an adjunct professor in the Gillings School of Global Public Health, the Curriculum in Toxicology, and the Department of Environmental Sciences and Engineering at the University of North Carolina at Chapel Hill, as well as in the Integrated Toxicology and Environmental Health Program at Duke University.

A native of New Jersey, Birnbaum received her M.S. and Ph.D. in microbiology from the University of Illinois at Urbana-Champaign.

Linda S. Birnbaum, Ph.D., D.A.B.T., A.TS.

CURRICULUM VITAE

Last Updated October 2019

Date and Place of Birth: December 21, 1946; Passaic, New Jersey

Citizenship: United States

Marital Status: Married 1967, three children

Education

June 1967 B.A. (Biology) University of Rochester, Rochester, NY
June 1969 M.S. (Microbiology) University of Illinois, Urbana, IL
February 1972 Ph.D. (Microbiology, Biochemistry minor) University of Illinois, Urbana, IL (Thesis: Localization, Enrichment, and in vitro Transcription of Ribosomal RNA genes in Escherichia coli)
1982 Diplomate, American Board of Toxicology, recertified 1987, 1992, 1997, 2002, 2007, 2012, 2018

Brief Chronology of Employment

1972 Visiting Assistant Professor of Microbiology at University of Illinois, Urbana, IL
1973 - 1974 Postdoctoral work at University of Massachusetts, Amherst, MA (Biochemistry)
1974 - 1975 Assistant Professor of Science at Kirkland (Hamilton) College, Clinton, NY
1975 - 1976 Research Associate, Masonic Medical Research Laboratory, Utica, NY
1976 - 1978 Research Fellow, Masonic Medical Research Laboratory, Utica, NY
1978 - 1979 Research Scientist, Masonic Medical Research Laboratory, Utica, NY
1979 - 1980 Senior Staff Fellow, National Toxicology Program, National Cancer Institute, Research Triangle Park, NC
1980 - 1987 Research Microbiologist, National Toxicology Program, NIEHS, Research Triangle Park, NC
1987 - 1989 Supervisory Research Microbiologist, National Toxicology Program, NIEHS, Research Triangle Park, NC
1989 - 1989 Head, Chemical Disposition Group, NIEHS, Research Triangle Park, NC
1989 - 1998 Director, Experimental Toxicology Division, National Health and Environmental Effects Research Laboratory, U.S. EPA, Research Triangle Park, NC
1998 - 1998 Acting Associate Director for Health, National Health and Environmental Effects Research Laboratory, U.S. EPA, Research Triangle Park, NC
1999 - 2008 Director, Experimental Toxicology Division, National Health and Environmental Effects Research Laboratory, U.S. EPA, Research Triangle Park, NC

| | |
|----------------|---|
| 2001 - 2002 | Acting Director, Human Studies Division, National Health and Environmental Effects Research Laboratory, U.S. EPA, Chapel Hill, NC |
| 2002 - 2009 | Director, Experimental Toxicology Division, National Health and Environmental Effects Research Laboratory, U.S. EPA, Research Triangle Park, NC |
| 2006- Present | Fellow, June 2006-June 2011; Board member, July 2007-June 2010, Academy of Toxicological Sciences |
| 2008 - 2009 | Senior Toxicologist, National Center for Environmental Assessment, U.S. EPA, Research Triangle Park, NC |
| 2009 -2019 | Director, National Institute of Environmental Health Sciences and National Toxicology Program, Research Triangle Park, NC |
| 2009 - 2019 | Senior Investigator, National Cancer Institute |
| 2019 - Present | Special Volunteer, Laboratory of Toxicology and Toxicokinetics, National Toxicology Program |

Societies

Society of Toxicology (President 2004-2005)
 American Society for Pharmacology and Experimental Therapeutics
 International Union of Pharmacology, Section on Toxicology
 North Carolina Chapter, Society of Toxicology
 American Board of Toxicology
 American Aging Association
 Gerontological Society
 American Association for the Advancement of Science
 Phi Beta Kappa
 Phi Kappa Phi
 Sigma Xi
 Academy of Toxicological Sciences
 International Union of Toxicology (President 2010-2013)
 Society for Risk Analysis
 Member, Institute of Medicine
 Interagency Autism Coordinating Committee

Awards

| | |
|-----------|--|
| 1967-1972 | NIH Predoctoral Traineeship |
| 1971 | Sigma Xi Award, University of Illinois |
| 1973-1974 | Damon Runyon Foundation Postdoctoral Fellowship |
| 1974-1975 | Mellon Foundation Research Grant |
| 1976-1978 | National Research Service Award |
| 1978-1979 | Career Employment and Training Award |
| 1979 | Young Investigator Grant - N.I.A. |
| 1991 | Scientific and Technological Achievement Award, Level III, U.S EPA |
| 1992 | Scientific and Technological Achievement Award, (2 awards) Level III, U.S. EPA |

1993 Scientific and Technological Achievement Award, Level III, U.S. EPA

1994 Scientific and Technological Achievement Award, Level III, U.S. EPA (2 awards)

1996 National Wildlife Federation, Special Edition National Conservation Achievement Award

1996 First Ahlborg Memorial Award, Karolinska Institute, Sweden

1998 Scientific and Technological Achievement Award, Level III, U.S. EPA

1999 Best Risk Assessment Paper, SOT, New Orleans, LA

1999 Scientific and Technological Achievement Award, Level II, U.S. EPA

2000 Scientific and Technological Achievement Award, Honorable Mention

2000 Scientific and Technological Achievement Award, Honorable Mention

2001 Diversity Leadership Award, U.S. EPA

2002 Recognized as one of the top 100 cited authors in ISI Pharmacology

2002 U.S. EPA Gold Award for Scientific Achievement in the Health Sciences

2003 Society of Toxicology Risk Assessment Specialty Section (RASS) Blue Ribbon, best abstract

2003 Scientific and Technological Achievement Award, Level II, U.S. EPA

2004 U.S. EPA Bronze Medal (Region 5) to Emerging Pollutants Workshop Planning Group

2004 Society of Toxicology Risk Assessment Specialty Section (RASS) Blue Ribbon, best abstract

2004 Scientific and Technological Achievement Award, Level III, U.S. EPA

2005 Scientific and Technological Achievement Award, Level III, U.S. EPA

2006 Academy of Toxicological Sciences, Fellow

2006 Mid-Atlantic Chapter of the Society of Toxicology (MASOT) Ambassador Award

2006 Environmental Science & Technology Excellence in Review

2006 Society of Toxicology Public Communications Award

2007 - Present Society of Toxicology Endowment Board

2007 - 2010 President-Elect/President for International Union of Toxicology (IUTOX)

2007 - Present Official Advisor to the Endometriosis Association

2007 - Present Editorial Board, Environmental Health Perspectives

2007 Scientific and Technological Achievement Award, Level I, U.S. EPA

2007 Scientific and Technological Achievement Award, Level III, U.S. EPA

2008 Society of Toxicology (SOT) 2008 Women in Toxicology (WIT) Elsevier Mentoring Award

2010 Elected to the Collegium Ramazzini

2010 Honorary Doctorate from the University of Rochester

2010 College of Liberal Arts & Science Alumni Achievement Award, University of Illinois

2010 Elected to the Institute of Medicine of the National Academies of Science

2011 National Institutes of Health Director's Award

2011 Scientific and Technological Achievement Award, Level III, U.S. EPA

2012 Breast Cancer Fund Heroes Award

2012 National Research Center for Women's 2012 Health Policy Hero Award

2012 Scientific and Technological Achievement Award, Level III, U.S. EPA

2012 NIH Children's Environmental Health Network Child Health Science Advocate Honoree

2013 American Public Health Service Homer N. Calver Lecturer Award

| | |
|------|--|
| 2014 | Mailman School of Public Health, Columbia University, Granville H. Sewell Distinguished Lecturer |
| 2014 | Honorary Doctorate from Ben-Gurion University, Israel |
| 2014 | Surgeon General's Medallion 2014 for support to the APHA |
| 2014 | EPA ORD Impact Award: Children's Environmental Health and Disease Prevention Research Centers Team |
| 2014 | National Institutes of Health Director's Award |
| 2015 | Honorary Professor, University of Queensland, Australia |
| 2016 | North Carolina Award for Science |
| 2016 | NIEHS Champion of Environmental Health Research |
| 2017 | Society of Toxicology Distinguished Toxicology Scholar Award |
| 2017 | Honorary Doctorate from the Amity University, India |
| 2018 | Arnold J. Lehman Award, Society of Toxicology |
| 2018 | Mildred S. Christian Career Achievement Award, Academy of Toxicological Sciences |

Other Activities

| | |
|----------------|---|
| 1976 | Adjunct Professor, Genetics, State University College of Technology, Utica, NY |
| 1977 - 1979 | Chairperson, Guest Speaker Program at Masonic Medical Research Laboratory |
| 1978 - 1979 | Consultant, Syracuse Research Corporation (detection of carcinogens as mutagens) |
| 1979 - 1983 | Member, Executive Board, American Aging Association |
| 1980 - 1981 | Vice President, American Aging Association |
| 1980 - Present | Adjunct Professor, Department of Environmental Science, School of Public Health, University of North Carolina |
| 1983 - Present | Curriculum in Toxicology, University of North Carolina |
| 1985 - 1988 | Editorial Board, AGE |
| 1988 - 1994 | Editorial Board, Environmental Health Perspectives |
| 1989 - 1993 | Editorial Board, Toxicology and Applied Pharmacology |
| 1989 - 1993 | Executive Committee, Curriculum in Toxicology, University of North Carolina |
| 1992 - 1996 | Member of the Chemical Manufacturers Association Butadiene Panel |
| 1993 - 1998 | Editorial Board, Environmental Health Perspectives |
| 1993 - 1995 | External Advisory Co Committee for NIEHS Planning Grant for an EHS Center |
| 1993 - 2009 | Editorial Board, Human and Experimental Toxicology |
| 1994 - 1997 | Elected to serve a three-year term on the Executive Committee of the Division of Toxicology, ASPET |
| 1994 - Present | Reviewer for Medical Research Council of Canada Grants |
| 1995 - 1998 | CIIT Scientific Advisory Panel |
| 1995 - Present | Professor of Toxicology, Division of Toxicology, Duke University |
| 1999 - 2000 | Chair, DOT, ASPET |
| 1999 - 2009 | Editorial Board, Chemosphere |
| 2000 - 2007 | Executive Committee, Research Triangle Park Drug Metabolism Discussion Group |
| 2000 - 2004 | U.S. Delegate to AMAP/Health Effects Group |
| 2002 - 2006 | Board of Directors of SOT as Vice President Elect, Vice President, President, and Past President |

2013 – Present Editorial Board, Environment International
2016 – Present Editorial Board, Current Opinions in Toxicology
2019 – Present International Advisory Board Member, INSERM, French National Institute of Health and Medical Research

Invited Speaker

Liver and Aging, II (Japan, 1982)
SOT (Atlanta, 1984)
Organizer, Annual symposium, American Aging Association (1984)
Butadiene ISSRP Workshop (1985)
Toxicity and Aging Workshop (EPA/NIA, 1985)
Gerontology Society (New Orleans, 1985)
Strain Selection for Carcinogenesis (NIEHS, 1985)
Gerontology Society (Chicago, 1986)
Dioxin '87 (Las Vegas, 1987)
Pharmacokinetics Modeling and Risk Assessment (Asheville, NC, 1988)
ASPET (Montreal, 1988); WHO Workshop on Chemical Toxicity and Aging (Leningrad, 1988)
SOT (Atlanta, 1988)
FASEB (New Orleans, 1989)
North Carolina Academy of Sciences (Raleigh, 1989)
Human Health Effects of Pollution in the Great Lakes (Ontario, 1989)
NCASI Dioxin Research Needs Expert Panel (Rockville, MD, 1989)
15th Symposium Environmental Pollutants and Toxicology (Japan, 1989)
PCB Workshop, Health Protection Branch, Health and Welfare (Ottawa, Canada, 1990)
International Cancer Congress (Hamburg, West Germany, 1990)
TEFs for PCBs (Washington, DC, 1990)
Women Administrators in North Carolina Higher Education Spring Forum meeting on "Women in Science" (Durham, NC, 1992)
State of North Carolina, Department of Environment, Health and Natural Resources, Division of Environmental Management Commission's Water Quality Committee (Raleigh, NC, 1992)
SEGH International Conference on Lead and Other Trace Substances (1992)
Rifkin and Associates "Mechanisms of Dioxin Toxicity: Implications for Risk Assessment (Washington, D.C. 1993)
California Department of Health Services, Hazardous Materials Laboratory (Berkeley, California 1993)
Gordon Research Conference, "Dioxin toxicity and Risk Assessment" (Meriden, New Hampshire, 1993)
American College of Toxicology (1993)
Health Protection Branch, Health and Welfare, Canada (1993)

Butadiene Peer Review Panel (1993)
HERL First Annual Symposium (1993)
Waste Technologies Incorporated Peer Review Workshop (1993)
North Carolina State Graduate Student Professional Development Workshop (1993)
HERL Symposium (1993)
NIEHS Sponsored Estrogens in the Environment III: Global Health Implications (1994)
National Symposium on Health Research and Needs to Ensure Environmental Justice (1994)
AEERL/ASME Seminar on PIC Formation and Control (1994)
Children's Environmental Health Network (1994)
EPA Colloquium on Environmental Hormones (1994)
NIEHS Second Annual Environmental Careers Symposium (1994)
Chemical Manufacturers Association, Chlorine Chemistry Council (1994)
University of Pittsburgh (1994)
Regional Risk Assessment Meeting (1994)
Great Lakes Human Health Effects Research Symposium (1994)
European Environmental Research Organization (1994)
Pennsylvania State 13th Summer Symposium in Molecular Biology (1994)
Rifkin & Associates (1994); 6th North American ISSX Meeting (1994)
HERL Second Annual Symposium (1994)
American Zoological Society (1995)
Mechanistic Studies - National Toxicology Program (1995)
Chlorination and Drinking Water; Dioxin Roundtable - SOT (1995)
International Joint Commission - Great Lake's Science Advisory Board (1995)
WHO (1995)
Freie University of Berlin (1995)
International Institute of Synthetic Rubber Producers, Inc. (1995)
International Congress of Toxicology (1995)
Working Group on the Assessment of Health Risk for Infants from Exposure to PCDDs, PCDFs, and PCBs (1995)
International Neurotoxicology Conference (1995)
Endometriosis Association (1995)
PCB Assessment Panel (1996)
Dioxin Risk Characterization Working Team (1996)
International Symposium of the Society of Toxicologic Pathologists (1996)
Ulf G. Ahlberg Memorial Lecture at Karolinska Institutes Nobel Forum (1996)

Russian-American Project with scientists, policy-makers and citizen Stakeholder Uniting to Reduce dioxin levels in the Environment and Human Beings, Russia (1996)

Dioxins in the Middle East Workshop, Israel (1996)

69th Meeting of the IARC Monographs Programme on the Evaluation of Carcinogenic Risks to Humans, France (1997)

WHO Workshop on Revision of I-TEFs, Sweden (1997)

Pellston/SETAC Workshop on Chemical Effects on Reproduction, Montana (1997)

ISSX Meeting, SC (1997)

WHO Workshop on TDI for Dioxins (1998)

CIIT Workshop on PBPK Modeling of 1,3-Butadiene (1998)

Dioxin >98, Sweden (1998); Autoimmune Disease Workshop (1998); FQPA Meeting (1999)

Workshop on Steroid Hormones & Brain Function, Breckenridge, CO (1999)

Drinking Water Research Needs Expert Workshop, Leesburg, VA (1999)

Human Exposure Assessment Workshop, Rockville, MD (1999)

College of Pharmacy, Washington State University, Pullman, WA (1999)

Symposium on Man-Made Chemicals/Hormones in the Environmental on Human Health, Mt. Holyoke College, South Hadley, MA (1999)

IPCS Planning Group Meeting on Integrated Risk Assessment, Philadelphia, PA (1999)

13th Working Group Meeting of the Arctic Monitoring and Assessment Program, Toronto, Canada (1999)

Workshop on Criteria for Phasing Out Persistent and Bioaccumulating Organic Chemicals, Stockholm, Sweden (1999)

Workshop on Diversity 2000: Managing the Third Wave (1999)

Endocrine Disruptors and Children's Health, MT. Sinai School of Medicine, New York (2000)

Living Safely with Chemicals in the New Millennium (2000)

AMAP Workshop, Rovaniemi, Finland (2000)

PAS Proteins/ASPET, Boston, MA (2000)

CMA Workshop Biomarkers, RTP, NC (2000)

ASPET Program Committee (2000)

WHO Integrated Risk Assessment Workshop, Ispra, Italy (2001)

Brominated Flame Retardants (BFR) Stockholm, Sweden (2001)

WHO Expert Meeting on Rapid Assays, Brussels, Belgium (2001)

Conference on Endocrine Disruptors and Human Health, Universidade Independente, Lisbon, Portugal (2001)

Vietnam-United States Scientific Conference on Human Health and Environmental Effects of Agent Orange/Dioxin, Hanoi, Vietnam (2002)

Federal-State Toxicology and Risk Analysis Committee, Washington, DC (2002)

European Commission Non-dioxin-like PCBs Workshop, Brussels, Belgium (2002)

Brominated Flame Retardants Roundtables, San Francisco, CA (2002)

Federal Women's Program, Women's History Month Event, Research Triangle Park, NC (2003)

Society of Toxicology Annual Meeting, Salt Lake City, Utah (2003)

Federal Women's Program, Women's History Month Event, Research Triangle Park, NC (2003) Brominated Flame Retardants, Conference & Workshop, San Francisco, CA (2003)

SAIC Conference on Dioxin Threat Assessment, McLean, VA (2003)

Star Progress Review Workshop, Washington, DC (2003)

Senior Executive Service Meeting, Washington, DC (2003)

Emerging Pollutants Workshop, Boston, MA (2003)

Dioxin Workshop, Boston, MA (2003)

Dioxin Workshop, Boston, MA (2003)

Cocktail Effect in Risk Assessment (CeIRA), Stresa, Italy (2003)

PBDE Workgroup, Washington, DC (2004)

19th Annual Regional Risk Assessors Meeting, Boston, MA (2004)

U.S. EPA Region I Risk Assessors, Boston, MA (2004)

PCB Workshop, University of Illinois, Urbana-Champaign, Illinois (2004)

EPSA Science Colloquium, Brussels, Belgium (2004)

ICTX Satellite & ICTX Meeting, Porvoo, Finland (2004)

Dioxin 2004, Berlin, Germany (2004)

HEI Biomonitoring, Research Triangle Park, NC (2004)

Bear Mountain Superfund, Bear Mountain, NY (2004)

Region IV ERS, Atlanta, GA (2004)

NRP 50 Bern, Switzerland (2004)

Environmental Influences on the Induction and Incidence of Asthma, Research Triangle Park, NC (2004)

CHPAC Washington, DC (2004)

APHA, Washington, DC (2004)

University of Michigan Dioxin Exposure Study (UMDES) SAB, Ann Arbor, MI (2004); CASCADE, Orvieto, Italy (2005)

Society of Toxicology Annual Meeting, New Orleans, Louisiana (2005)

Credo Workshop on Endocrine Disrupters, Prague, Czech Republic (2005)

TEFs Re-Evaluation, World Health Organization, Geneva, Switzerland, (2005)

1st International Workshop on Modifiers of Chemical Toxicity, Poros/Athens, Greece (2005)

Children's Environmental Health Research, Research Triangle Park, NC (2005)

Dioxin 2005, Toronto, Canada, (2005)

42nd Congress of the Federation of European Toxicologists & European Societies of Toxicologists (Eurotox 05), Krakow, Poland (2005)

National Forum on Contaminants in Fish, Baltimore, MD (2005)

Nicholas Institute for Environmental Policy Solutions, Inaugural, Duke University, Durham, NC (2005)

U.S. EPA Region II Science Day, New York, New York (2005)

40th Annual Meeting, American Academy of Environmental Medicine, Tucson, AZ (2005)

North Carolina Society of Toxicology Spring Meeting, 25th Anniversary Celebration, Research Triangle Park, NC (2006)

Cascade 2nd Annual Meeting, St. Malo, France (2006)

Mid-Atlantic Society of Toxicology (MASOT) Meeting, Scotch Plains, New Jersey (2006)

Gordon Research Conferences, Environmental Endocrine Disruptors, Il Ciocco Barga, Italy (2006)

28th International Congress on Occupational Health, Milan, Italy (2006)

International Brominated Flame Retardants (BFR) Meeting, Toronto, Canada (2006)

Bisphenol A: An Examination of the Relevance of Ecological, In Vitro and Laboratory Animal Studies for Assessing Risks to Human Health – An Expert Panel, Chapel Hill, NC, (2006)

Environmental Challenges Meeting, San Francisco, CA (2007)

UCSF-CHE Summit on Environmental Challenges to Reproductive Health and Fertility, San Francisco, CA (2007)

State-of-the-Science Workshop: Issues and Approaches in Low Dose-Response Extrapolation for Environmental Health Risk Assessment, Baltimore, MD (2007)

NERC Knowledge Transfer Network, 2nd Conference on Persistent Organic Pollutants: Legacy and Current-Use Pops, The University of Birmingham, Birmingham, UK (2007)

LTIG Meeting, Chicago, IL (2007)

Moving Upstream Workshop, Berkeley, CA (2007)

International Congress of Toxicology, Montreal, Quebec, Canada (2007)

Dioxin 2007 Satellite Symposium, Shibuya-ku, Tokyo, Japan (2007)

Dioxin 2007 International Symposium, Tokyo, Japan (2007)

International Congress of Toxicology XI, Montreal, Ontario, Canada (2007)

Future Research on Endocrine Disruption, Durham, NC (2007)

NHEERL/OSWER Libby Action Plan Toxicology Studies, OU4 Technical Subgroup Meeting, Libby, MT (2007)

SETAC North America 28th Annual Meeting, Milwaukee, WI (2007)

Society of Risk Analysis 2007 Annual Meeting, San Antonio, TX (2007)

Meeting of the HESI Subcommittee on Risk Assessment for Sensitive Populations, Washington, DC (2007)

47th Annual Society of Toxicology & ToxExpo, Seattle, Washington (2008)

6th Expert Consultation Panel Meeting for Provisional Advisory Levels, Research Triangle Park, NC (2008)

5th PCB Workshop, Iowa City, IA (2008)

10th GRC on EED, PFAA Days, Research Triangle Park, NC (2008)

Woman Taking the Lead to Save our Planet, NIH, Washington, D.C. (2009)

Annual Society of Toxicology Conference, Baltimore, MD (2009)

Columbia Center for Children's Environmental Health Conference, New York, NY (2009)

Brominated Flame Retardants (BFR), Annual Meeting, Ottawa, Canada (2009)

Institute of Medicine Environmental Roundtable Meeting (2009)

Green Chemistry Conference (2009)

National Conversation on Public Health and Chemical Exposures Kick-Off Meeting (2009)

Toxicology Forum (2009)

Developmental Basis for Disease Workshop (2009)

29th International Symposium on Halogenated Persistent Organic Pollutants at Dioxin (2009)

Keynote at the Rachel Carson Legacy Conference, Pittsburgh, PA (2009)

Plenary at ISES Conference, Minneapolis, MN (2009)

Annual NIEHS-NCI BCERC Conference, Oakland, CA (2009)

Thyroid Biomarkers Workshop, San Francisco, CA (2009)

Joint Workshop on Environmental Pollution and Cancer in China and the U.S., Guangzhou, China (2010)

University Research Corridor Conference (2010)

Annual Society of Toxicology Conference, Salt Lake City, UT (2010)

UVA Plastic Project Workshop (2010)

Children's Environmental Health Task Force Workshop (2010)

Teratology Society Annual Meeting (2010)

Genetics and Environmental Mutagenesis Society Meeting, RTP, NC (May 2011)

Health Affairs Environmental Challenges for Health, Washington, DC (May 2011)

Congressman Price Science Panel, RTP, NC (June 2011)

National Medical Association Annual Meeting, Washington, DC (July 2011)

Gordon Research Conference on Cellular & Molecular Mechanisms of Toxicity, Andover, MA (August 2011)

Brussels Fire Retardant Dilemma Symposium, Brussels, Belgium (August 2011)

GlaxoSmithKline Women in Science Annual Meeting, RTP, NC (October 2011)

Los Angeles Community Forum, CA (October 2011)

Duke Integrated Toxicology Environmental Health Program, Durham, NC (November 2011)

Medical University of South Carolina, Charleston, SC (January 2012)

Parkinson's Action Network Panel, Washington, DC (February 2012)

Texas Women's University Annual Celebration of Science, Denton, TX (March 2012)

UNC Women in Science Series, Chapel Hill, NC (March 2012)

Environmental Health Sciences Seminar, UC-Davis, CA (March 2012)

South Atlantic National Research Conference, Raleigh, NC (March 2012)

Society of Toxicology Annual Meeting: Session on Career and Meet the Directors, San Francisco, CA (March 2012)

PPTOX III, Session XI: Future Agenda & Conference Conclusions, Paris, France (May 2012)

EU Conference on Endocrine Disrupters, Seminar & Panelist, Brussels, Belgium (June 2012)

University of Rochester, Toxicology Retreat, Rochester, NY (May 2012)

ENDO 2012, Presidential Symposium, Houston, TX (June 2012)

32nd International Symposium on Halogenated Persistent Organic Pollutants (DIOXIN), Endocrine Disruptor Chemicals (Chair of session), Cairns, Australia (August 2012)

University of Michigan, Conference on the Developmental Origins of Metabolic Syndrome, MI (October 2012)

Pesticides & The Chesapeake Bay Watershed Project, Reisterstown, MD (October 2012)

Workshop: FutureTox: Building the Road for 21st Century Toxicology and Risk Assessment Practices, Arlington, VA (October 2012)

Association of Schools of Public Health Environmental and Occupational Health Council, San Francisco, CA (October 2012)

APHA, Gulf Oil Spill Session, San Francisco, CA (October 2012)

Breast Cancer and the Environment Research Program (BCERP) Annual Meeting, Keynote Address, San Francisco, CA (November 2012)

Climate Change, Workplace and the Lung Workshop, Keynote Address, Maulana Azad Medical College, New Delhi, India (December 2012)

EHS Research Retreat Global Environmental Health, Johns Hopkins, Baltimore, MD (January 2013)

Toxicology Forum Winter Meeting, Session on Low Dose Effects, Washington, DC (January 2013)

Collaborative Summit on Breast Cancer Research, Panelist, Washington, DC (February 2013)

Environmental Health 2013, Boston, MA (March 2013)

Society of Toxicology Annual Meeting: Session on Career and Meet the Directors, San Antonio, TX (March 2013)

13th International Congress on Combustion By-Products and Their Health Effects, New Orleans, LA (May 2013)

XIII International Congress of Toxicology, Genes and the Environment, Seoul, South Korea (July 2013)

National Environmental Monitoring Conference, Session on Low Dose Exposure of Environmental Chemicals, San Antonio, TX (August 2013)

45th Annual Symposium of the SOT of Canada, Plenary Speaker, Ottawa, Canada (December 2013)

Brunel University, Middlesex, United Kingdom: Keynote Speaker at a Roundtable on the Role of Chemicals in the Fetal Environment & Presenter of a Seminar at the Brunel University (February 2014)

Society of Toxicology Annual Meeting: Session on Career and Meet The Directors, Phoenix, AZ (March 2014)

Environment and Health Fund & Israeli Ministry of Health Meeting, Speaker, Hebrew University, Jerusalem, Israel (May 2014)

Tribal Environmental Health Summit: Building Collaborative Community Networks, Salish Kootenai College, Pablo, MT (June 2014)

Meeting on Women's Health sponsored by Representative Lowey, Speaker, Mercy College, Dobbs Ferry, NY (July 2014)

Green Science Policy Meeting, Chair of Session on TBBPA and Presenting at Session on Integrating Toxicology & Epidemiology, Madrid, Spain (September 2014)

8th International PCB Workshop: PCBs in Schools, Presenter in Session on Anniston Community Health Survey, Woods Hole, MA (October 2014)

PPTOX IV, Opening Session, Boston, MA (October 2014)

Annual Biomedical Research Conference for Minority Students, Speaker at Professional Development Session, San Antonio, TX (November 2014)

APHA Annual Meeting, Speaker at Session on Gulf of Mexico Research Initiative: First 3 Years, New Orleans, LA (November 2014)

U.S. Environmental Protection Agency Cookstove Conference, Speaker on NIEHS Research on Cookstoves, RTP, NC (February 2015)

Tox21 Workshop and Bioassay Roundtable, Society of Toxicology, San Diego, CA (March 2015)

Targeting Environment and Neuro-Developmental Risks (TENDR), Warrenton, VA (June 2015)

Symposium on Endocrine Disrupting Chemicals, Tokyo, Japan (July 2015)

IX Congress of Toxicology in Developing Countries, XIX Congresso Brasileiro de Toxicologia, Natal, Brazil (November 2015)

International Society for Children's Environmental Health, Cuernavaca, Mexico (January 2016)

Society of Toxicology, New Orleans, LA (March 2016)

Invited Keynote Speaker, University of Wisconsin Madison Symposium: Toxicology and Urology (April 2016)

Speaker, Trans-NIH Transgenerational Inheritance Workshop (April 2016)

Opening Speaker at the NTP Workshop "Addressing Challenges in the Assessment of Botanical Dietary Supplement Safety," Bethesda, MD (April 2016)

Opening Remarks at TaRGET II Consortium Grantee Meeting, NIEHS, NC (May 2016)

Invited Speaker at the 2016 Tribal Environmental Health Summit, Flagstaff, AZ (June 2016)

Speaker, Appalachia/Kentucky Community Forum, Lexington & Hazard, Kentucky (July 2016)

Presented 5 talks at Dioxin 2016, Florence, Italy, and 2 talks at 28th Conference of the International Society for Environmental Epidemiology, Rome, Italy (August 2016)

Invited Speaker, Annual Regulatory Summit for American Home Furnishings Alliance, Hickory, NC (September 2016)

Speaker, Scientific Advisory Committee on Alternative Toxicological Methods (SACATM), NIEHS, NC (September 2016)

US Chapter of International Society for Developmental Origins of Health and Disease (DOHaD), Detroit, MI (October 2016)

The Korean Academy of Science and Technology (KAST), Seoul, Korea (November 2016)

Research and Policy Needs for Environmental Health Workshop, Israel Institute for Advanced Studies, Givat Ram, Israel (January 2017)

Society of Toxicology 56th Annual Meeting and ToxExpo Global Collaboration, Boston, MA (March 2017)

Society of Toxicology 56th Annual Meeting and ToxExpo Distinguished Toxicology Scholar Award Lecture, Boston, MA (March 2017)

US Senate Appropriations Subcommittee on Interior, Environment and Related Agencies Briefing on NIEHS Superfund Activities, Washington, DC (June 2017)

37th International Symposium on Halogenated Persistent Organic Pollutants - Dioxin 2017, Vancouver, British Columbia (August 2017)

Collegium Ramazzini Days, Carpi, Italy (October 2017)

Keynote Speaker at the 2017 American College of Toxicology Annual Meeting, Palm Springs, CA (November 2017)

12th Annual Breast Cancer and the Environment Research Program Meeting, Monrovia, CA (November 2017)

Keynote Speaker at the International Conference on Impact of Environment on Women's Health, Lucknow, India (November 2017)

Keynote Speaker at the Environmental and Health Fund Annual Conference, Jerusalem, Israel (December 2017)

Keynote Speaker at the American Academy of Allergy, Asthma and Immunology Meeting, Orlando, FL (March 2018)

Society of Toxicology Annual Meeting and Tox Expo, San Antonio, TX (March 2018)

Keynote Speaker at Baylor College of Medicine, Houston, TX (April 2018)

Toxicology and Risk Assessment Conference, Cincinnati, OH (April 2018)

Keynote Speaker at International Conference on Medicine One Science (iCOMOS), Minneapolis, MN (April 2018)

Closing Plenary at Tribal Environmental Health Summit at Oregon State University, Corvallis, Oregon (June 2018)

EHS Core Center and Community Forum, Davis, CA (July 2018)

American Association for Clinical Chemistry Annual Meeting and Clinical Lab Expo, Chicago, IL (August 2018)

ISEE/ISES Conference, Ottawa, Canada (August 2018)

Federal Hearing: The Federal Role in the Toxic PFAS Chemical Crisis, Washington, DC (September 2018)

North Carolina Central University Class Lecture, Durham, NC (October 2018)

ExxonMobil Biomedical Sciences, Inc., Annandale, NJ (October 2018)

National Academy of Medicine's 48th Annual Meeting, Washington, DC (October 2018)

University of Texas El Paso's 2017-2018 Centennial Lecture Series, El Paso, TX (October 2018)

Collegium Ramazzini Days, Carpi, Italy (November 2018)

Environment & Breast Cancer Transforming Data into Action Community Forum, Washington, DC (November 2018)

Sociedad de Toxicología de Chile Meeting, Valparaíso, Chile (November 2018)

George Washington University Seminar - Toward a Toxic-Free Supply Food Chain: Identifying Data Gaps and Opportunities for Action, Washington, DC (December 2018)

Keynote Speaker at Health Canada Science Forum, Ottawa, Canada (January 2019)

Celsius-Linnaeus Lecture and Symposium at Uppsala University, Uppsala, Sweden (February 2019)

Tribal Environmental Health Summit, Tucson, AZ (February 2019)

Arizona Disaster Research and Response Exercise, Tucson, AZ (February 2019)

Society of Toxicology Annual Meeting, Baltimore, MD (March 2019)
Federal Hearing: Senate Environment and Public Works Committee Hearing on PFAS, Washington, DC (March 2019)
NC Central University's Women's Health Awareness Conference, Durham, NC (April 2019)
Lecturer at University of North Carolina Chapel Hill, Chapel Hill, NC (April 2019)
PFAS and Other Emerging Contaminants Conference, Raleigh, NC (April 2019)
Keynote Speaker at Northeastern University's PFAS Conference, Boston, MA (June 2019)
Keynote Speaker at Unwrapped: The Health Threats of Plastics and Food Packaging Chemicals, Scotts Valley, CA (June 2019)
Water Quality Community Forum and Tour at University of Iowa, Cedar Rapids, IA (June 2019)
EHS Core Center Meeting, Cedar Rapids, Iowa (June 2019)

Invited Symposium/Workshop Speaker

Duke University (1982)
University of Buffalo (1983)
Rutgers University (1984)
EPA (Washington, DC, 1985)
University of Arizona (1985)
Duke VA (1986)
University of Nebraska (1986)
CIIT (1987)
Texas A&M University (1987)
St. John's University (1987)
Veterans Administration Medical Center, St. Louis (1987)
NTP Executive Committee (1988)
Senate Committee on Environment and Public Works (Staffers) (1989)
Health Effects Research Laboratory, Research Triangle Park, NC, 1989)
USEPA, Washington, DC (1989)
NIEHS Research Day, Research Triangle Park, NC (1989)
Duke University, Durham, NC (1990)
University of North Carolina, Chapel Hill, NC (1990)
Virginia Polytechnic Institute and State University (1990)
EOHSI; Panelist at the GLO 9 Graduation Program, Rutgers University (1991)
Cornell University (1991)
Colorado State University (1991)
Health Effects Institute (1991)

Toxicology Forum (1991)
Harvard School of Public Health (1991)
Symposium on the Health Effects of Gasoline (1991)
The Toxicology Forum (1992)
University of Connecticut (1992)
World Wildlife Fund (1992)
Genetic Toxicology Association Spring Meeting (1992)
North Carolina's Environmental Management Commission (EMC) Water Quality Committee (1992)
SEGH International Conference on Lead and Other Trace Substances (1992)
Harvard School of Public Health (1992)
University of Kansas Medical Center (1992)
Association for Governmental Toxicologist, Society for Environmental Geochemistry and Health (1992)
University of Texas (1992)
American Association for the Advancement of Science (1993)
Society of Toxicology (1993)
Air and Waste Management Association (1993)
Invited twice to NIEHS (1993)
International Congress on Health Effects of Hazardous Waste (1993)
National Conference on Dioxin (1993)
Committee to Coordinate Environmental Health and Related Programs (1993)
Duke University School for the Environment (1993)
Great Lakes Water Quality Board Meeting (1993)
NC State University Graduate Student Professional Development Workshop (1993)
Environmental Defense Fund (1993)
American College of Toxicology (1993)
Health Protection Branch, Health and Welfare Canada (1993)
Illinois Environmental Health Association (1993)
University of Illinois (1993)
Environmental Health Protectorate, Canada (1994); University of Pittsburgh (1994)
Chlorine Chemistry Council (1994)
NIEHS Second Annual Environmental Careers Symposium, Research Triangle Park, NC (1994)
Dioxin Reassessment Press Conference, Washington, DC (1994)
Dioxin Reassessment Press Conference, Chicago, Illinois (1994)
EPA Region 5 Dioxin Reassessment Press Conference (1994)
University of California, Davis, CA (1994)

Durham-Chapel Dietetic Association (1994)
North Carolina State University Workshop (1994)
Duke University Occupational Medicine Seminar Series (1994)
University of Kentucky, Graduate Center for Toxicology & Sigma Xi (1994)
NCSOT (1994)
National Academy of Sciences (1994)
Southern Illinois University (1994)
Air & Waste Management Association (1994)
North Carolina Bar Association (1995)
Cornell University (1995)
North American Commission for Environmental Cooperation (1995)
Tribal Council - St. Reigs Mohawk Tribe Environment Division (1996)
National Wildlife Conservation (1996)
American Chemical Society (1996)
West Virginia University, Department of Pharmacology & Toxicology (1996)
University of Illinois (1996)
Cincinnati Medical Center - Institute of Environmental Health (1996)
International Symposium Dioxins and Furans, Heidelberg, Germany (1996)
University of Michigan - Consultant Program (1997)
NC State University - SCI-LINK Teachers Day, Raleigh, NC (1997)
Dosimetry for Persistent Chemicals, Washington, DC (1997)
University of Buffalo - Buffalo environmental health Sciences Conference, Buffalo, NY (1997)
Health Conference '97, Montreal, Canada (1997)
Dioxin '97 Symposium on Chlorinated Dioxins and Related Compounds, Indianapolis, IN (1997)
Southern Illinois University - Betram W. Carnow Memorial Symposia (1997)
50th Anniversary of the Korean Society of Pharmacology; The Dioxin conference;
Pohang University, Seoul, Korea (1997)
Lineberger Cancer Center, University of NC at Chapel Hill (1998)
Endocrine Disruptor Workshop, Raleigh, NC (1998)
Chemical Mixtures Colloquium, Washington, DC (1998)
University of NC Research Integrity Conference (1998)
Butadiene Annual Research Review Meeting, Houston, TX (1998)
Cell Signaling Workshop, RTP, NC (1998)
Workshop on Ah Receptor-Controlled Responses in Tumor Promotion,
Germany; University of Maine, Orono, ME (1998)
Risk Characterization of Dioxin, EPA, RTP, NC (1998)

NIEHS/NTA Science Fair, RTP, NC (1998)
AMSA National Convention, Chicago, IL (1999)
Graduate Student Convocation, ASPET Meeting, Washington, DC (1999)
Washington State University, Pullman, WA (1999)
Environmental Mutagen Society (2000)
Bowman Gray School of Medicine (2000)
Endometriosis 2000, London (2000)
University of Wisconsin, Madison (2000)
Physicians for Social Responsibility, Washington, DC (2000)
Ecology and Health Conference, Raleigh, NC (2000)
Dioxin 2000, Monterey and Berkley, California (2000)
American Public Health Association Annual Meeting (2000)
University of New Mexico Toxicology Program (2000)
Cornell University (2001)
University of Zurich (2001)
Karolinska Institute (2001)
Local Motion, Detroit, MI (2001)
Michigan Department of Environmental Quality (2002)
University of Illinois, Chicago (2002)
North Carolina State University (2003)
Loma Linda University, CA (2003)
Boston City Council, Boston, MA (2003)
Boston City Council on Dioxin, Boston, MA (2003)
Research Triangle Park Career Evaluation, Research Triangle Park, NC (2003)
University of California at Los Angeles (2004)
Harvard Seminar, Boston, MA (2004)
EMS Panel Debate, Washington, DC (2004)
Duke University Integrated Toxicology Program, Durham, NC (2004)
Lone Tree Council, Saginaw Bay Watershed, Saginaw, MI (2005)
Porter School of Environmental Studies and Haifa University, Israel (2005)
Michigan Department of Environmental Quality, Midland, Michigan (2005)
University of Southern Maine, Portland, Maine (2005)
North Carolina State University, Dept. of Environmental and Molecular Toxicology Seminar, Raleigh, NC (2006)
Southwestern Medical University, Dallas, TX (2006)
University of Wisconsin, Madison, WI (2006)

DECA, Washington, DC (2006)

University of Michigan, Ann Arbor, Michigan (2006)

Brominated Flame Retardants (BFR), Washington, DC (2006)

Environmental Partnership Summit, Research Triangle Park, NC (2006)

232nd American Chemical Society Meeting & Exposition, San Francisco, CA (2006)

Weybridge + 10 Workshop, Helsinki, Finland (2006)

International Conference on Food Contaminants and Neurodevelopmental Disorders, Valencia, Spain (2006)

PALs Meeting, Crystal City, Arlington, VA (2006)

East Carolina University (2007)

U.S. EPA Region 8, Denver, CO (2007)

NIEHS Meeting, Research Triangle Park, NC (2007)

P.O.P. Culture, Santa Monica, CA (2007)

Evaluation of the human relevance of modes of action in animals,
University of North Carolina, Chapel Hill, North Carolina (2008)

Evaluating the human relevance of modes of action in Animals Workshop,
ILSI Research Foundation University of North Carolina, Chapel Hill, NC (2008)

Duke ITP, Duke University, Durham, North Carolina (2008)

Indiana University, Bloomington, Indiana (2008)

National Public Radio (2009)

Frontline (2009)

CNN (2009)

Summers of Discovery Seminar Series, Research Triangle Park, NC (2009)

Computational Toxicology Webinar Series, Research Triangle Park, NC (2009)

National Conversation on Chemical Exposures, Washington, DC (2009)

Great Lakes Green Chemistry Network Seminar, College Park, MD (February 2010)

UNC Institute of the Environment, Chapel Hill, NC (March 2010)

University of Virginia Plastic Project, Charlottesville, VA (April 2010)

University of Illinois at Chicago School of Public Health (May 2010)

Wake Forest University, Wake Forest, NC (October 2010)

James L. Whittenburg Lecture, Boston, MA (December 2010)

Cutting Edge Research on Environmental Health, Israel (February 2011)

University of Haifa, Israel (February 2011)

University of Washington School of Public Health, Seattle, WA (March 2011)

Congressman Price Science Panel, Research Triangle Park, NC (June 2011)

Los Angeles Community Forum, CA (October 2011)

Duke Integrated Toxicology Environmental Health Program, Durham, NC (November 2011)

Texas Women's University Annual Celebration of Science, Denton, TX (March 2012)

University of Montana, Missoula, MT (May 2012)

The Horizons @ Heinz, Heinz, Center, Washington, DC (May 2012)

AAAS Barnard Lecture, Washington, DC (May 2012)

University of Rochester, Toxicology Retreat, Rochester, NY (May 2012)

Eunice Kennedy Shriver National Institute of Child Health and Human Development
Washington, DC (November 2012)

University of Puerto Rico, San Juan, PR (February 2013)

Panelist on two panels at the Panels on Women's Cancers, Hosted by Fran Drescher, with Representative Deutch,
Washington, DC (September 2013)

44th Annual Homer N. Calver Lecturer, APHA, Boston, MA (November 2013)

University of North Carolina Chapel Hill, School of Public Health, Chapel Hill, NC (March 2014)

Department of Molecular Biomedical Sciences Seminar Series,
North Carolina State University, Raleigh, NC (April 2014)

U.S. Environmental Protection Agency Cutting Edge Speaker Series, RTP, NC (April 2014)

Rockland County Office of Aging, Invited to Speak to the AARP Group by Representative Lowey (NY) on the
Environment and NIEHS, Rockland County AARP, Rockland County, NY (April 2014)

Mailman School of Public Health, Sewell Lecture Series Guest Lecturer,
Columbia University, New York City, NY (April 2014)

Toxicology Scholars Colloquium Guest Lecturer, School of Pharmacy,
University of Connecticut; Storrs, CT (April 2014)

Ben-Gurion University of the Negev, Seminar, Beer-Sheva, Israel (May 2014)

Environment and Health Fund & Israeli Ministry of Health Meeting,
Hebrew University, Jerusalem, Israel (May 2014)

Meeting on Women's Health sponsored by Representative Lowey,
Mercy College, Dobbs Ferry, NY (July 2014)

North Carolina State University Distinguished Speaker Series, Raleigh, NC (September 2014)

Yale University, Environmental Health Seminar Series, New Haven, CT (December 2014)

Office of Budget Management Tour of the National Center for Advancing Translational Sciences (NCATS) Tox21
Facility, Speaker on Tox21 Accomplishments, Rockville, MD (April 2015)

Invited Lecturer, NIH Leaders Seminar Series, University of Illinois at Urbana-Champaign, IL (April 2015)

Welcome Speaker, Women's Health Awareness Day, North Carolina Central University, NC (April 2015)

Georgetown University, Washington, DC (April 2015)

Brooklyn Community Conversation on Toxics, Climate Change & Health, Brooklyn, NY (May 2015)

Elucidating Environmental Dimensions of Neurological Disorders and Diseases: Understanding New Tools from
Federal Chemical Testing Programs, University of California Davis, Davis, CA (June 2015)

Weill Cornell Medical School, New York, NY (February 2016)

Icahn School of Medicine at Mount Sinai, New York, NY (March 2016)

Invited Speaker, Fogarty Scholars and Fellows Orientation, Bethesda, MD (July 2016)

Invited Speaker, Northeastern University, Boston, MA (July 2016)

Triangle Global Health Consortium Annual Conference, Chapel Hill, NC (September 2016)

Research!Louisville 2016, University of Louisville, KY (October 2016)

Virginia Tech Carilion Research Institute, Roanoke, VA (October 2016)

Global Climate Change: Interdisciplinary Perspectives,
University of North Carolina, Chapel Hill, NC (October 2016)

Friend of NIEHS 50th Anniversary Congressional Briefing, Washington, DC (November 2016)

Autism Grantee Meeting, Durham, NC (December 2016)

Environmental Health Science FEST, Durham, NC (December 2016)

Annual Friends of NIEHS Annual Meeting, Washington, DC (January 2017)

Jewish Community Center, Durham, NC (February 2017)

Center for Human Health and the Environment Science Symposium,
North Carolina State University, Raleigh, NC (February 2017)

Interagency Coordinating Committee on the Validation of Alternative Methods (ICCVAM) Workshop on Modernizing
the Safety Assessment of Drugs and Chemicals, Bethesda, MD (February 2017)

Penn State Institutes for Energy and the Environment, Penn State University, University Park, PA (April 2017)

Keynote Address at Environmental Justice and the Future of Environmental Health Research, Rutgers University, New
Brunswick, NJ (April 2017)

RTI Fellows Program Distinguished Lecture, Research Triangle Park, NC (May 2017)

Northeastern University Poly-Fluoroalkyl Substances (PFAS) Conference, Boston, MA (June 2017)

Fogarty Global Health Fellows Program Orientation, Bethesda, MD (July 2017)

Environmental Mutagenesis and Genomics Society Annual Meeting, Raleigh, NC (September 2017)

University of Buffalo, Buffalo, NY (September 2017)

Colorado State University, Fort Collins, CO (September 2017)

Triangle Global Health Consortium Annual Conference, Durham, NC (September 2017)

Michael J Fox Foundation, Washington, DC (January 2018)

Friends of NIEHS Annual Meeting, Washington, DC (January 2018)

Winter Toxicology Forum, Washington, DC (January 2018)

Triangle Global Health Consortium Career Day, Durham, NC (February 2018)

All Federal Coordination of PFAS, Bethesda, MD (February 2018)

NASEM Workshop: Informing Environmental Health Decisions through Data Integration,
Washington, DC (February 2018)

NIEHS Superfund Congressional Briefing, Washington, DC (March 2018)

Friends of NIEHS Congressional Briefing on Neurological Disease, Washington, DC (March 2018)

Understanding the Combined Effects of Environmental Chemical and Non-Chemical Stressors: Atherosclerosis as a
Model Workshop, Research Triangle Park, NC (April 2018)

Women's Health Awareness Day, Durham, NC (April 2018)

Earth Day Science and Music Event, Durham, NC (April 2018)

NIEHS Career Symposium, Research Triangle Park, NC (May 2018)

Free Radicals: Past, Present, and Future, Research Triangle Park, NC (May 2018)

NC Women of Color Research Network First Annual Spring Conference, Research Triangle Park, NC (May 2018)

NC State and NIEHS Summer Research Program, Research Triangle Park, NC (June 2018)

Congressional Briefing with HHS Deputy Secretary and NIH on NTP Systematic Review of Monograph on Sarin, Cell Phone Radiofrequency Radiation, CLAIRTY_BPA, Report on Carcinogens 15th Edition, Washington, DC (July 2018)

PFAS Congressional Briefings with the Office of U.S. Senator Gary Peters of Michigan and the Office of U.S. Senator Jeanne Shaheen of New Hampshire, Washington, DC (July 2018)

Assembly of Scientists Summer Meeting, Research Triangle Park, NC (August 2018)

Developing a Data Science Competent EHS Workforce Workshop, Research Triangle Park, NC (August 2018)

Swedish Toxicology Sciences Research Center (SWETOX) Academy Workshop, Stockholm, Sweden (August 2018)

Science and Policy of Organohalogens Workshop, Ottawa, Canada (August 2018)

Metabolomics Common Fund Kick Off, Research Triangle Park, NC (September 2018)

NTP Workshop on Circulating, Cell-free DNA as a Strategy to Identify Novel Biomarkers and Mediators of Inflammation in Environmental Exposures and Disease, Research Triangle Park, NC (September 2018)

Environmental Epidemiology Workshop w/Health and Environmental Sciences Institute, Research Triangle Park NC (October 2018)

Friends of NIEHS Congressional Briefing for Child Health Month, Washington, DC (October 2018)

ORWH Pearls of Wisdom Video Interview, Washington, DC (October 2018)

NC Scholars Connect Program Seminar, Research Triangle Park, NC (October 2018)

NIEHS and EPA Children's Center Meeting, Research Triangle, Park, NC (October 2018)

Assembly of Scientists Winter Meeting, Research Triangle Park, NC (December 2018)

National Academy of Sciences Workshop: ESEHS Workshop 1 - Understanding the Interplay of Environmental Stressors, Infectious Disease, and Human Health, Washington, DC (January 2019)

Friends of NIEHS Annual Meeting, Washington, DC (January 2019)

NC Public Health Leaders Conference, Raleigh, NC (January 2019)

Triangle Global Health Consortium Career Day, Research Triangle Park, NC (February 2019)

North Carolina State University's CHHE 3rd Annual Symposium- Exploring PFAS in North Carolina: Impacts on the Environment and Human Health, Raleigh, NC (February 2019)

Four Corners Interior Congressional Briefing, Washington, DC (February 2019)

National Academy of Sciences Workshop: ESEHS Workshop 2: The Promise of Single Cell and Single Molecule Analysis Tools to Advance Environmental Health Research (March 2019)

International Agency for Research on Cancer – International Women's Day Symposium, Lyon, France (March 2019)

Third International Workshop on Chronic Kidney Disease of Unknown Origin (CKDu) in Mesoamerica and Other Regions, San José, Costa Rica (March 2019)

Trans-NIH Workshop on Inflammation Resolution Biology, Research Triangle Park, NC (March 2019)

National Trainees Assembly Spring GA Meeting, Research Triangle Park, NC (April 2019)

Video Interview: European TV Channel "Arte", Bethesda, MD (April 2019)

Congressional Briefing: Senate Environment and Public Works Committee Majority Staff on PFAS, Washington, DC (April 2019)

Congressional Briefing: FY 20 NIEHS Superfund-related activities briefing for House and Senate Interior & Environment Appropriations Subcommittee Staff, Washington, DC (April 2019)

NIEHS Career Symposium, Research Triangle Park, NC (April 2019)

NTP Workshop: Converging on Cancer, Washington, DC (April 2019)

Annual Symposium of the Society of Toxicologic Pathology, Raleigh, NC (June 2019)

Major Committee Responsibilities

TRTP Promotion Committee (1984-1989), Chairman (1987-1989)

NIEHS Radiation Safety Committee (1985-1989)

Mouse Strains for Carcinogenesis Studies (1985)

NIEHS Research Support Subcommittee (1986)

NIEHS Laboratory Casework Committee (1986-1989)

Judge, SOT Mechanism Section Graduate Student Awards (1985, 1986) Treasurer, NC SOT (1986-1988)

Vice President, NC SOT (1988-1989); President (1989-1990)

NAS Committee on Chemical Toxicity and Aging (1986-1988)

U.S. EPA Science Advisory Board - Halogenated Solvents Subcommittee (1987-1989)

N.J. EPA Science Advisory Board (1987-1989)

SOT Mechanism Section, Nominations Committee (1987-1989)

WHO, IPCS, Co-chair - Aging and Toxicity (1988-1993)

US EPA, Science Advisory Board - Dioxin Review (1988-1989)

DTRT, AdHoc Group on Future Research Priorities, Facilitator (1988-1989)

Education Committee, SOT (1989-1992)

NIOSH Peer Review Board on Dioxin Studies (1989-1994)

CIIT, Dioxin Review Panel (1990-1994); Scientific Advisory Panel (1990)

USEPA/ORD - Committee on Scientific Ethics (1990-1995)

ILSI Committee on Pharmacokinetics (1992-1996)

SOT, Nominating Committee (1993-1994)

SOT, Mechanisms Section (V.P. 1992-1993; Pres. 1993-1994)

HERL Symposium Committee (1992-present)

U.S. EPA Laboratory Implementation Committee, Science and Scientific Subcommittee,
Co-Chair of the Scientific and Scientific Career Subcommittee – Fellowship Committee Chair
Fellowship Committee (1994-1999)
Member - ORD Human Resources Committee (1999)
Member of the Chemical Manufacturers Association Butadiene Panel (1992-1996)
External Advisory Committee for the NIEHS Planning Grant for an EHS Center (1993-1995)
Executive Committee of the Division of Toxicology, ASPET (1994-1997)
SOT Council (1996-1999)
ORD/OW Arsenic External RFA Committee (1996-1998)
Executive Committee, International Society for the Study of Xenobiotics (1996-1999)
International Organizing Committee, Dioxin (1992-2007)
Awards Committee, SOT (1998-2000)
Liaison - NERL/NHEERL Interaction Workgroup (1998-2007)
Chair, Division of Toxicology, ASPET (1998-2000)
Executive Committee of the RTP Drug Metabolism Discussion Group (2003)
Agency Wide PBT Initiative (1998-2005)
Society of Toxicology – Presidential Chain (2002-2006)
HESI Biomonitoring Technical Committee (2006)

Member of Scientific and Policy Advisory Board Global PFAS Science Panel, Swiss Federal Institute of Technology,
Zurich Institute of Biogeochemistry and Pollutant Dynamics (2018)

Utrecht University Scientific Advisory Board (2019)

Research Advisor for

Dennis Darcey, MS, University of North Carolina, Department of Environmental Sciences and Engineering, 1982
Susan Borghoff, MS, Ph.D., University of North Carolina, Department of Environmental Sciences and Engineering, 1987
Chris Miller, MS, University of North Carolina, Department of Environmental Sciences and Engineering, 1985
Charles Hebert, Ph.D., University of North Carolina, Toxicology Curriculum, 1990
Laurie Couture-Haws, MS, Ph.D., University of North Carolina, Department of Environmental Sciences and Engineering and Toxicology Curriculum (MS 1987; Ph.D. 1991)
Yolanda Banks Anderson, Ph.D., University of North Carolina, Department of Environmental Sciences and Engineering, 1990
Lorrene Kedderis, Ph.D., University of North Carolina, Toxicology Curriculum, 1992
Mary K. McKinley, MS, Duke University, School of the Environment, 1992
Renu Batra, Ph.D., University of North Carolina, Department of Environmental Sciences and Engineering (deceased)
Krista Little Johnson, MS, University of North Carolina, Department of Environmental Sciences and Engineering, 1996
Christopher Hurst, Ph.D., University of North Carolina, Curriculum in Toxicology, 1999
Deborah Burgin, Ph.D., University of North Carolina, Curriculum in Toxicology, 2005
Daniele Staskal, Ph.D., University of North Carolina, Curriculum in Toxicology, 2005
Daniel Bauer, Ph.D., University of North Carolina, Curriculum in Toxicology, withdrew
Michele La Merrill, Ph.D., University of North Carolina, Curriculum in Toxicology, 2008
David Szabo, Ph.D., University of North Carolina, Curriculum in Toxicology, 2011
Alicia Richards, MPH, University of North Carolina, Department of Environmental Sciences and Engineering, 2018

Thesis Committee (Ph.D. Students)

Alan Jo Cato, University of North Carolina, School of Pharmacy
Charlie Sewall, University of North Carolina, Toxicology Curriculum
Joost DeJongh, University of Utrecht, The Netherlands
Angelique Van Birgelen, University of Utrecht, The Netherlands
George Monteverdi, Duke University, School of the Environment
Chia-Yang Chen, University of North Carolina, School of Public Health
Coralie Groenveld, Agricultural University of Wageningen, Wageningen, The Netherlands

Irene Kampen, Agricultural University of Wageningen, Wageningen, The Netherlands
Michael Wyde, UNC, Curriculum in Toxicology
Jie (Jane) Dong, Duke University, School of the Environment
Yo Chan Jeong, University of North Carolina, School of Public Health, 2005
Lieke Peters, University of Utrecht, The Netherlands, 2006
Oliver Hamblett, Harvard School of Public Health
Pamela Noyes, Duke School of the Environment
Thuy Lam, Harvard School of Medicine

Postdoc Advisor

L.R. (Mark) Kao, 1984-1985
Dave Brewster, 1985-1987
Usha Gundimeda, 1986-1988
Barbara Abbott, 1987-1989
Tim McMahon, 1988-1990
Mike DeVito, 1991-1994
Angelique Van Birgelen, 1994-1997
Xiaofeng Wang, 1995-1997
Michael Santostefano, 1994-1999
Brian Slezak, 1997-1999
Jonathan Hamm, 1997-2000
Claude Emond, 2001-2004
Lisa Vinikoor, 2008-2009
Sally White, 2008-2009
Gabriel Knudsen, 2011-2014

Journal Articles

1. Birnbaum LS, Kaplan S. Localization of a portion of the ribosomal RNA genes in *Escherichia coli*. Proceedings of the National Academy of Sciences of the United States of America. 1971;68(5):925-9. Epub 1971/05/01. doi: <http://dx.doi.org/10.1073/pnas.68.5.925>. PubMed PMID: 4930242; PMCID: PMC389082.
2. Unger M, Birnbaum LS, Kaplan S, Pfister A. Location of the ribosomal RNA cistron of *Escherichia coli*: a second site. Molecular & general genetics: MGG. 1972;119(4):377-80. Epub 1972/01/01. doi: <http://www.ncbi.nlm.nih.gov/pubmed/4567810>. PubMed PMID: 4567810.
3. Birnbaum LS, Kaplan S. In vitro synthesis of *Escherichia coli* ribosomal RNA. Journal of molecular biology. 1973;75(1):73-81. Epub 1973/03/25. doi: [https://doi.org/10.1016/0022-2836\(73\)90529-9](https://doi.org/10.1016/0022-2836(73)90529-9). PubMed PMID: 4576591.
4. Baird MB, Birnbaum LS, Samis HB, Massie HR, Zimmerman JA. Allylisopropylacetamide preferentially interacts with the phenobarbital-inducible form of rat hepatic microsomal P-450. Biochemical pharmacology. 1976;25(21):2415-7. Epub 1976/11/01. doi: [http://dx.doi.org/10.1016/0006-2952\(76\)90042-3](http://dx.doi.org/10.1016/0006-2952(76)90042-3). PubMed PMID: 826256.

5. Birnbaum LS, Baird MB, Massie HR. Pregnenolone-16alpha-carbonitrile-inducible cytochrome P450 in rat liver. *Research communications in chemical pathology and pharmacology*. 1976;15(3):553-62. Epub 1976/11/01. doi: <http://www.ncbi.nlm.nih.gov/pubmed/825936>. PubMed PMID: 825936.
6. Baird MB, Massie HR, Birnbaum LS. Presence of a high-molecular-weight form of catalase in enzyme purified from mouse liver. *The Biochemical journal*. 1977;163(3):449-53. Epub 1977/06/01. doi: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1164724/>. PubMed PMID: 880214; PMCID: PMC1164724.
7. Birnbaum LS, Baird MB. Induction of hepatic mixed function oxidases in senescent rodents--II. Effect of polychlorinated biphenyls. *Experimental gerontology*. 1978;13(6):469-77. Epub 1978/01/01. doi: [http://dx.doi.org/10.1016/0531-5565\(78\)90059-1](http://dx.doi.org/10.1016/0531-5565(78)90059-1). PubMed PMID: 104883.
8. Birnbaum LS, Baird MB. Induction of hepatic mixed function oxidases in senescent rodents. *Experimental gerontology*. 1978;13(5):299-303. Epub 1978/01/01. doi: [http://dx.doi.org/10.1016/0531-5565\(78\)90038-4](http://dx.doi.org/10.1016/0531-5565(78)90038-4). PubMed PMID: 104880.
9. Armbrecht HJ, Birnbaum LS, Zenser TV, Mattammal MB, Davis BB. Renal cytochrome P-450's--electrophoretic and electron paramagnetic resonance studies. *Archives of biochemistry and biophysics*. 1979;197(1):277-84. Epub 1979/10/01. doi: [http://dx.doi.org/10.1016/0003-9861\(79\)90246-7](http://dx.doi.org/10.1016/0003-9861(79)90246-7). PubMed PMID: 232400.
10. Baird MB, Birnbaum LS. Increased production of mutagenic metabolites of carcinogens by tissues from senescent rodents. *Cancer research*. 1979;39(11):4752-5. Epub 1979/11/01. doi: <http://www.ncbi.nlm.nih.gov/pubmed/498103>. PubMed PMID: 498103.
11. Baird MB, Birnbaum LS. Inhibition of 2-fluorenamine-induced mutagenesis in *Salmonella typhimurium* by vitamin A. *Journal of the National Cancer Institute*. 1979;63(4):1093-6. Epub 1979/10/01. doi: <https://doi.org/10.1093/jnci/63.4.1093>. PubMed PMID: 384006.
12. Birnbaum LS, Baird MB. Senescent changes in rodent hepatic epoxide metabolism. *Chemico-biological interactions*. 1979;26(3):245-56. Epub 1979/08/01. doi: [http://dx.doi.org/10.1016/0009-2797\(79\)90028-0](http://dx.doi.org/10.1016/0009-2797(79)90028-0). PubMed PMID: 509688.
13. Baird MB, Birnbaum LS, Sfeir GT. NADPH-driven lipid peroxidation in rat liver nuclei and nuclear membranes. *Archives of biochemistry and biophysics*. 1980;200(1):108-15. Epub 1980/03/01. doi: [http://dx.doi.org/10.1016/0003-9861\(80\)90337-9](http://dx.doi.org/10.1016/0003-9861(80)90337-9). PubMed PMID: 7362246.
14. Birnbaum LS. Altered hepatic drug metabolism in senescent mice. *Experimental gerontology*. 1980;15(4):259-67. Epub 1980/01/01. doi: [http://dx.doi.org/10.1016/0531-5565\(80\)90030-3](http://dx.doi.org/10.1016/0531-5565(80)90030-3). PubMed PMID: 6773794.
15. Birnbaum LS, Decad GM, Matthews HB. Disposition and excretion of 2,3,7,8-tetrachlorodibenzofuran in the rat. *Toxicology and applied pharmacology*. 1980;55(2):342-52. Epub 1980/09/15. doi: [http://dx.doi.org/10.1016/0041-008X\(80\)90096-4](http://dx.doi.org/10.1016/0041-008X(80)90096-4). PubMed PMID: 7423523.
16. Birnbaum LS, Decad GM, Matthews HB, McConnell EE. Fate of 2,3,7,8-tetrachlorodibenzofuran in the monkey. *Toxicology and applied pharmacology*. 1981;57(2):189-96. Epub 1981/02/01. doi: [http://dx.doi.org/10.1016/0041-008X\(81\)90279-9](http://dx.doi.org/10.1016/0041-008X(81)90279-9). PubMed PMID: 7222035.
17. Decad GM, Birnbaum LS. Noninvasive technique for intravenous injection of guinea pigs. *Laboratory animal science*. 1981;31(1):85-6. Epub 1981/02/01. doi: <http://www.ncbi.nlm.nih.gov/pubmed/7253559>. PubMed PMID: 7253559.
18. Decad GM, Birnbaum LS, Matthews HB. Distribution and excretion of 2,3,7,8-tetrachlorodibenzofuran in

- C57BL/6J and DBA/2J mice. *Toxicology and applied pharmacology*. 1981;59(3):564-73. Epub 1981/07/01. doi: [http://dx.doi.org/10.1016/0041-008X\(81\)90311-2](http://dx.doi.org/10.1016/0041-008X(81)90311-2). PubMed PMID: 7268779.
19. Decad GM, Birnbaum LS, Matthews HB. 2,3,7,8-Tetrachlorodibenzofuran tissue distribution and excretion in guinea pig. *Toxicology and applied pharmacology*. 1981;57(2):231-40. Epub 1981/02/01. doi: [http://dx.doi.org/10.1016/0041-008X\(81\)90284-2](http://dx.doi.org/10.1016/0041-008X(81)90284-2). PubMed PMID: 7222040.
 20. Armbrecht HJ, Birnbaum LS, Zenser TV, Davis BB. Changes in hepatic microsomal membrane fluidity with age. *Experimental gerontology*. 1982;17(1):41-8. Epub 1982/01/01. doi: [http://dx.doi.org/10.1016/0531-5565\(82\)90007-9](http://dx.doi.org/10.1016/0531-5565(82)90007-9). PubMed PMID: 6284532.
 21. Robertson IG, Birnbaum LS. Age-related changes in mutagen activation by rat tissues. *Chemico-biological interactions*. 1982;38(2):243-52. Epub 1982/01/01. doi: [http://dx.doi.org/10.1016/0009-2797\(82\)90043-6](http://dx.doi.org/10.1016/0009-2797(82)90043-6). PubMed PMID: 6799214.
 22. Birnbaum LS. Distribution and excretion of 2,3,6,2',3',6'- and 2,4,5,2',4',5'-hexachlorobiphenyl in senescent rats. *Toxicology and applied pharmacology*. 1983;70(2):262-72. Epub 1983/09/15. doi: [http://dx.doi.org/10.1016/0041-008X\(83\)90102-3](http://dx.doi.org/10.1016/0041-008X(83)90102-3). PubMed PMID: 6414105.
 23. Birnbaum LS, Darcey DJ, McKinney JD. Hexabromonaphthalene contaminants of polybrominated biphenyls: chemical composition and disposition in the rat. *Journal of toxicology and environmental health*. 1983;12(4-6):555-73. Epub 1983/10/01. doi: <http://dx.doi.org/10.1080/15287398309530449>. PubMed PMID: 6321745.
 24. Birnbaum LS, Eastin WC, Jr., Johnson L, Matthews HB. Disposition of 4,4'-thiobis(6-t-butyl-m-cresol) in rats. *Drug metabolism and disposition: the biological fate of chemicals*. 1983;11(6):537-43. Epub 1983/11/01. doi: <http://www.ncbi.nlm.nih.gov/pubmed/6140136>. PubMed PMID: 6140136.
 25. Ioannou YM, Birnbaum LS, Matthews HB. Toxicity and distribution of 2,3,7,8-tetrachlorodibenzofuran in male guinea pigs. *Journal of toxicology and environmental health*. 1983;12(4-6):541-53. Epub 1983/10/01. doi: <http://dx.doi.org/10.1080/15287398309530448>. PubMed PMID: 6668609.
 26. King FG, Dedrick RL, Collins JM, Matthews HB, Birnbaum LS. Physiological model for the pharmacokinetics of 2,3,7,8-tetrachlorodibenzofuran in several species. *Toxicology and applied pharmacology*. 1983;67(3):390-400. Epub 1983/03/15. doi: [http://dx.doi.org/10.1016/0041-008X\(83\)90323-X](http://dx.doi.org/10.1016/0041-008X(83)90323-X). PubMed PMID: 6405508.
 27. Dieter MP, Wilson R, Birnbaum LS. Age-related changes in glucose metabolizing enzymes in spleen, thymus, and pulmonary lavage cells from F344 rats. *Mechanisms of ageing and development*. 1984;26(2-3):253-63. Epub 1984/08/01. doi: [http://dx.doi.org/10.1016/0047-6374\(84\)90098-8](http://dx.doi.org/10.1016/0047-6374(84)90098-8). PubMed PMID: 6482522.
 28. Medinsky MA, Bond JA, Dutcher JS, Birnbaum LS. Disposition of [14C]2,3-dichloropropene in Fischer-344 rats after oral or intraperitoneal administration. *Toxicology letters*. 1984;23(1):119-25. Epub 1984/10/01. doi: [http://dx.doi.org/10.1016/0378-4274\(84\)90017-1](http://dx.doi.org/10.1016/0378-4274(84)90017-1). PubMed PMID: 6485012.
 29. Medinsky MA, Bond JA, Dutcher JS, Birnbaum LS. Disposition of [14C]methyl bromide in Fischer-344 rats after oral or intraperitoneal administration. *Toxicology*. 1984;32(3):187-96. Epub 1984/09/14. doi: [http://dx.doi.org/10.1016/0300-483X\(84\)90073-8](http://dx.doi.org/10.1016/0300-483X(84)90073-8). PubMed PMID: 6433513.
 30. Birnbaum LS. The role of structure in the disposition of halogenated aromatic xenobiotics. *Environmental health perspectives*. 1985;61:11-20. Epub 1985/09/01. doi: <http://dx.doi.org/10.2307/3430058>. PubMed PMID: 2998745; PMCID: PMC1568747.

31. Birnbaum LS, Johnson L. Disposition of benzo(f)quinoline in male rats. Drug metabolism and disposition: the biological fate of chemicals. 1985;13(1):18-24. Epub 1985/01/01. doi: <http://www.ncbi.nlm.nih.gov/pubmed/2858371>. PubMed PMID: 2858371.
32. Birnbaum LS, McKinney JD. A persistent hexabromonaphthalene isomer is 2,3,4,5,6,7-hexabromonaphthalene. Journal of toxicology and environmental health. 1985;16(2):219-27. Epub 1985/01/01. doi: <http://dx.doi.org/10.1080/15287398509530735>. PubMed PMID: 4078932.
33. Birnbaum LS, Weber H, Harris MW, Lamb JCt, McKinney JD. Toxic interaction of specific polychlorinated biphenyls and 2,3,7,8-tetrachlorodibenzo-p-dioxin: increased incidence of cleft palate in mice. Toxicology and applied pharmacology. 1985;77(2):292-302. Epub 1985/02/01. doi: [http://dx.doi.org/10.1016/0041-008X\(85\)90329-1](http://dx.doi.org/10.1016/0041-008X(85)90329-1). PubMed PMID: 3919463.
34. Bond JA, Dutcher JS, Medinsky MA, Henderson RF, Birnbaum LS. Disposition of [14C]methyl bromide in rats after inhalation. Toxicology and applied pharmacology. 1985;78(2):259-67. Epub 1985/04/01. doi: [http://dx.doi.org/10.1016/0041-008X\(85\)90289-3](http://dx.doi.org/10.1016/0041-008X(85)90289-3). PubMed PMID: 4035680.
35. Bond JA, Medinsky MA, Dutcher JS, Henderson RF, Cheng YS, Mewhinney JA, Birnbaum LS. Disposition and metabolism of 2,3-[14C]dichloropropene in rats after inhalation. Toxicology and applied pharmacology. 1985;78(1):47-54. Epub 1985/03/30. doi: [http://dx.doi.org/10.1016/0041-008X\(85\)90303-5](http://dx.doi.org/10.1016/0041-008X(85)90303-5). PubMed PMID: 4035672.
36. Borghoff SJ, Birnbaum LS. Age-related changes in glucuronidation and deglucuronidation in liver, small intestine, lung, and kidney of male Fischer rats. Drug metabolism and disposition: the biological fate of chemicals. 1985;13(1):62-7. Epub 1985/01/01. doi: <http://www.ncbi.nlm.nih.gov/pubmed/2858379>. PubMed PMID: 2858379.
37. Dutcher JS, Medinsky MA, Bond JA, Cheng YS, Snipes MB, Henderson RF, Birnbaum LS. Effect of vapor concentration on the disposition of inhaled 2,3-dichloropropene in Fischer-344 rats. Fundamental and applied toxicology: official journal of the Society of Toxicology. 1985;5(5):997-1005. Epub 1985/10/01. doi: [http://dx.doi.org/10.1016/0272-0590\(85\)90182-4](http://dx.doi.org/10.1016/0272-0590(85)90182-4). PubMed PMID: 4065469.
38. McKinney JD, Chae K, McConnell EE, Birnbaum LS. Structure-induction versus structure-toxicity relationships for polychlorinated biphenyls and related aromatic hydrocarbons. Environmental health perspectives. 1985;60:57-68. Epub 1985/05/01. doi: <http://dx.doi.org/10.2307/3429945>. PubMed PMID: 2992928; PMCID: PMC1568558.
39. Medinsky MA, Dutcher JS, Bond JA, Henderson RF, Mauderly JL, Snipes MB, Mewhinney JA, Cheng YS, Birnbaum LS. Uptake and excretion of [14C]methyl bromide as influenced by exposure concentration. Toxicology and applied pharmacology. 1985;78(2):215-25. Epub 1985/04/01. doi: [http://dx.doi.org/10.1016/0041-008X\(85\)90285-6](http://dx.doi.org/10.1016/0041-008X(85)90285-6). PubMed PMID: 4035677.
40. Weber H, Birnbaum LS. 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) and 2,3,7,8-tetrachlorodibenzofuran (TCDF) in pregnant C57BL/6N mice: distribution to the embryo and excretion. Archives of toxicology. 1985;57(3):159-62. Epub 1985/08/01. doi: <http://dx.doi.org/10.1007/BF00290880>. PubMed PMID: 4062549.
41. Weber H, Harris MW, Haseman JK, Birnbaum LS. Teratogenic potency of TCDD, TCDF and TCDD-TCDF combinations in C57BL/6N mice. Toxicology letters. 1985;26(2-3):159-67. Epub 1985/08/01. doi: [http://dx.doi.org/10.1016/0378-4274\(85\)90161-4](http://dx.doi.org/10.1016/0378-4274(85)90161-4). PubMed PMID: 4035709.
42. Birnbaum LS. Distribution and excretion of 2,3,7,8-tetrachlorodibenzo-p-dioxin in congenic strains of mice which differ at the Ah locus. Drug metabolism and disposition: the biological fate of chemicals. 1986;14(1):34-40. Epub 1986/01/01. doi: <http://www.ncbi.nlm.nih.gov/pubmed/2868862>. PubMed PMID:

2868862.

43. Birnbaum LS, Deskin R, Grumbein SL, Kurtz P, Fowler KL, Peters AC. Prechronic toxicity of o-benzyl-p-chlorophenol in rats and mice. *Fundamental and applied toxicology: official journal of the Society of Toxicology*. 1986;7(4):615-25. Epub 1986/11/01. doi: [http://dx.doi.org/10.1016/0272-0590\(86\)90111-9](http://dx.doi.org/10.1016/0272-0590(86)90111-9). PubMed PMID: 3803756.
44. Birnbaum LS, Harris MW, Miller CP, Pratt RM, Lamb JC. Synergistic interaction of 2,3,7,8-tetrachlorodibenzo-p-dioxin and hydrocortisone in the induction of cleft palate in mice. *Teratology*. 1986;33(1):29-35. Epub 1986/02/01. doi: <http://dx.doi.org/10.1002/tera.1420330106>. PubMed PMID: 3738807.
45. Bond JA, Dahl AR, Henderson RF, Dutcher JS, Mauderly JL, Birnbaum LS. Species differences in the disposition of inhaled butadiene. *Toxicology and applied pharmacology*. 1986;84(3):617-27. Epub 1986/07/01. doi: [http://dx.doi.org/10.1016/0041-008X\(86\)90268-1](http://dx.doi.org/10.1016/0041-008X(86)90268-1). PubMed PMID: 3726881.
46. Borghoff SJ, Birnbaum LS. Age-related changes in the metabolism and excretion of allyl isothiocyanate. A model compound for glutathione conjugation. *Drug metabolism and disposition: the biological fate of chemicals*. 1986;14(4):417-22. Epub 1986/07/01. doi: <http://www.ncbi.nlm.nih.gov/pubmed/2873988>. PubMed PMID: 2873988.
47. Kao LR, Birnbaum LS. Disposition of o-benzyl-p-chlorophenol in male rats. *Journal of toxicology and environmental health*. 1986;18(3):441-58. Epub 1986/01/01. doi: <http://dx.doi.org/10.1080/15287398609530884>. PubMed PMID: 3712501.
48. Kao LR, Goldstein JA, Birnbaum LS. Effect of o-benzyl-p-chlorophenol on drug-metabolizing enzymes in rats. *Biochemical pharmacology*. 1986;35(4):613-20. Epub 1986/02/15. doi: [http://dx.doi.org/10.1016/0006-2952\(86\)90356-4](http://dx.doi.org/10.1016/0006-2952(86)90356-4). PubMed PMID: 3947391.
49. Lamb Jc, Harris MW, McKinney JD, Birnbaum LS. Effects of thyroid hormones on the induction of cleft palate by 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) in C57BL/6N mice. *Toxicology and applied pharmacology*. 1986;84(1):115-24. Epub 1986/06/15. doi: [http://dx.doi.org/10.1016/0041-008X\(86\)90420-5](http://dx.doi.org/10.1016/0041-008X(86)90420-5). PubMed PMID: 3715858.
50. Miller CP, Birnbaum LS. Teratologic evaluation of hexabrominated naphthalenes in C57BL/6N mice. *Fundamental and applied toxicology: official journal of the Society of Toxicology*. 1986;7(3):398-405. Epub 1986/10/01. doi: [http://dx.doi.org/10.1016/0272-0590\(86\)90089-8](http://dx.doi.org/10.1016/0272-0590(86)90089-8). PubMed PMID: 3781129.
51. Abbott BD, Birnbaum LS, Pratt RM. TCDD-induced hyperplasia of the ureteral epithelium produces hydronephrosis in murine fetuses. *Teratology*. 1987;35(3):329-34. Epub 1987/06/01. doi: <http://dx.doi.org/10.1002/tera.1420350307>. PubMed PMID: 3629513.
52. Abbott BD, Morgan KS, Birnbaum LS, Pratt RM. TCDD alters the extracellular matrix and basal lamina of the fetal mouse kidney. *Teratology*. 1987;35(3):335-44. Epub 1987/06/01. doi: <http://dx.doi.org/10.1002/tera.1420350308>. PubMed PMID: 3629514.
53. Birnbaum LS. Age-related changes in carcinogen metabolism. *Journal of the American Geriatrics Society*. 1987;35(1):51-60. Epub 1987/01/01. doi: <http://dx.doi.org/10.1111/j.1532-5415.1987.tb01319.x>. PubMed PMID: 3540077.
54. Birnbaum LS, Harris MW, Barnhart ER, Morrissey RE. Teratogenicity of three polychlorinated dibenzofurans in C57BL/6N mice. *Toxicology and applied pharmacology*. 1987;90(2):206-16. Epub 1987/09/15. doi: [http://dx.doi.org/10.1016/0041-008X\(87\)90328-0](http://dx.doi.org/10.1016/0041-008X(87)90328-0). PubMed PMID: 3629596.

55. Birnbaum LS, Harris MW, Crawford DD, Morrissey RE. Teratogenic effects of polychlorinated dibenzofurans in combination in C57BL/6N mice. *Toxicology and applied pharmacology*. 1987;91(2):246-55. Epub 1987/11/01. doi: [http://dx.doi.org/10.1016/0041-008X\(87\)90105-0](http://dx.doi.org/10.1016/0041-008X(87)90105-0). PubMed PMID: 3672524.
56. Birnbaum LS, Heaney SM. Dermal absorption of the antioxidant 4,4'-thiobis(6-tert-butyl-m-cresol) in Sencar mice and Fischer rats. *Toxicology letters*. 1987;37(1):13-9. Epub 1987/06/01. doi: [http://dx.doi.org/10.1016/0378-4274\(87\)90161-5](http://dx.doi.org/10.1016/0378-4274(87)90161-5). PubMed PMID: 3590225.
57. Bond JA, Dahl AR, Henderson RF, Birnbaum LS. Species differences in the distribution of inhaled butadiene in tissues. *American Industrial Hygiene Association journal*. 1987;48(10):867-72. Epub 1987/10/01. doi: <http://dx.doi.org/10.1080/15298668791385723>. PubMed PMID: 3687732.
58. Brewster DW, Birnbaum LS. Disposition and excretion of 2,3,4,7,8-pentachlorodibenzofuran in the rat. *Toxicology and applied pharmacology*. 1987;90(2):243-52. Epub 1987/09/15. doi: [http://dx.doi.org/10.1016/0041-008X\(87\)90332-2](http://dx.doi.org/10.1016/0041-008X(87)90332-2). PubMed PMID: 3629600.
59. Dahl AR, Birnbaum LS, Bond JA, Gervasi PG, Henderson RF. The fate of isoprene inhaled by rats: comparison to butadiene. *Toxicology and applied pharmacology*. 1987;89(2):237-48. Epub 1987/06/30. doi: [http://dx.doi.org/10.1016/0041-008X\(87\)90044-5](http://dx.doi.org/10.1016/0041-008X(87)90044-5). PubMed PMID: 3603560.
60. Eastin WC, Jr., Birnbaum LS. Intestinal absorption of two glucose analogues in rats of different ages. *Experimental gerontology*. 1987;22(5):351-7. Epub 1987/01/01. doi: [http://dx.doi.org/10.1016/0531-5565\(87\)90033-7](http://dx.doi.org/10.1016/0531-5565(87)90033-7). PubMed PMID: 3428412.
61. Hebert CD, Birnbaum LS. The influence of aging on intestinal absorption of TCDD in rats. *Toxicology letters*. 1987;37(1):47-55. Epub 1987/06/01. doi: [http://dx.doi.org/10.1016/0378-4274\(87\)90166-4](http://dx.doi.org/10.1016/0378-4274(87)90166-4). PubMed PMID: 3109077.
62. Mewhinney JA, Ayres PH, Bechtold WE, Dutcher JS, Cheng YS, Bond JA, Medinsky MA, Henderson RF, Birnbaum LS. The fate of inhaled azodicarbonamide in rats. *Fundamental and applied toxicology: official journal of the Society of Toxicology*. 1987;8(3):372-81. Epub 1987/04/01. doi: [http://dx.doi.org/10.1016/0272-0590\(87\)90086-8](http://dx.doi.org/10.1016/0272-0590(87)90086-8). PubMed PMID: 3569707.
63. Sabourin PJ, Chen BT, Lucier G, Birnbaum LS, Fisher E, Henderson RF. Effect of dose on the absorption and excretion of [¹⁴C]benzene administered orally or by inhalation in rats and mice. *Toxicology and applied pharmacology*. 1987;87(2):325-36. Epub 1987/02/01. doi: [http://dx.doi.org/10.1016/0041-008X\(87\)90294-8](http://dx.doi.org/10.1016/0041-008X(87)90294-8). PubMed PMID: 3824388.
64. Shopp GM, Cheng YS, Gillett NA, Bechtold WE, Medinsky MA, Hobbs CH, Birnbaum LS, Mauderly JL. Acute inhalation exposure of azodicarbonamide in the guinea pig. *American Industrial Hygiene Association journal*. 1987;48(2):127-32. Epub 1987/02/01. doi: <http://dx.doi.org/10.1080/15298668791384517>. PubMed PMID: 3565267.
65. Birnbaum LS, Couture LA. Disposition of octachlorodibenzo-p-dioxin (OCDD) in male rats. *Toxicology and applied pharmacology*. 1988;93(1):22-30. Epub 1988/03/30. doi: [http://dx.doi.org/10.1016/0041-008X\(88\)90022-1](http://dx.doi.org/10.1016/0041-008X(88)90022-1). PubMed PMID: 3353999.
66. Bond JA, Birnbaum LS, Dahl AR, Medinsky MA, Sabourin PJ, Henderson RF. Disposition of inhaled 1-chloro-2-propanol in F344/N rats. *Toxicology and applied pharmacology*. 1988;95(3):444-55. Epub 1988/09/30. doi: [http://dx.doi.org/10.1016/0041-008X\(88\)90362-6](http://dx.doi.org/10.1016/0041-008X(88)90362-6). PubMed PMID: 3142098.
67. Bond JA, Martin OS, Birnbaum LS, Dahl AR, Melnick RL, Henderson RF. Metabolism of 1,3-butadiene by lung

- and liver microsomes of rats and mice repeatedly exposed by inhalation to 1,3-butadiene. *Toxicology letters*. 1988;44(1-2):143-51. Epub 1988/11/01. doi: [http://dx.doi.org/10.1016/0378-4274\(88\)90140-3](http://dx.doi.org/10.1016/0378-4274(88)90140-3). PubMed PMID: 3188072.
68. Borghoff SJ, Stefanski SA, Birnbaum LS. The effect of age on the glucuronidation and toxicity of 4,4'-thiobis(6-t-butyl-m-cresol). *Toxicology and applied pharmacology*. 1988;92(3):453-66. Epub 1988/03/15. doi: [http://dx.doi.org/10.1016/0041-008X\(88\)90185-8](http://dx.doi.org/10.1016/0041-008X(88)90185-8). PubMed PMID: 3127943.
69. Brewster DW, Birnbaum LS. Disposition of 1,2,3,7,8-pentachlorodibenzofuran in the rat. *Toxicology and applied pharmacology*. 1988;95(3):490-8. Epub 1988/09/30. doi: [http://dx.doi.org/10.1016/0041-008X\(88\)90367-5](http://dx.doi.org/10.1016/0041-008X(88)90367-5). PubMed PMID: 3188012.
70. Brewster DW, Elwell MR, Birnbaum LS. Toxicity and disposition of 2,3,4,7,8-pentachlorodibenzofuran (4PeCDF) in the rhesus monkey (*Macaca mulatta*). *Toxicology and applied pharmacology*. 1988;93(2):231-46. Epub 1988/04/01. doi: [http://dx.doi.org/10.1016/0041-008X\(88\)90123-8](http://dx.doi.org/10.1016/0041-008X(88)90123-8). PubMed PMID: 3358261.
71. Brewster DW, Uraih LC, Birnbaum LS. The acute toxicity of 2,3,4,7,8-pentachlorodibenzofuran (4PeCDF) in the male Fischer rat. *Fundamental and applied toxicology: official journal of the Society of Toxicology*. 1988;11(2):236-49. Epub 1988/08/01. doi: [http://dx.doi.org/10.1016/0272-0590\(88\)90148-0](http://dx.doi.org/10.1016/0272-0590(88)90148-0). PubMed PMID: 3220203.
72. Couture LA, Elwell MR, Birnbaum LS. Dioxin-like effects observed in male rats following exposure to octachlorodibenzo-p-dioxin (OCDD) during a 13-week study. *Toxicology and applied pharmacology*. 1988;93(1):31-46. Epub 1988/03/30. doi: [http://dx.doi.org/10.1016/0041-008X\(88\)90023-3](http://dx.doi.org/10.1016/0041-008X(88)90023-3). PubMed PMID: 3354000.
73. Diliberto JJ, Usha G, Birnbaum LS. Disposition of citral in male Fischer rats. *Drug metabolism and disposition: the biological fate of chemicals*. 1988;16(5):721-7. Epub 1988/09/01. doi: <http://www.ncbi.nlm.nih.gov/pubmed/2906597>. PubMed PMID: 2906597.
74. Medinsky MA, Bechtold WE, Birnbaum LS, Chico DM, Gerlach RF, Henderson RF. Uptake of vinylidene fluoride in rats simulated by a physiological model. *Fundamental and applied toxicology: official journal of the Society of Toxicology*. 1988;11(2):250-60. Epub 1988/08/01. doi: [http://dx.doi.org/10.1016/0272-0590\(88\)90149-2](http://dx.doi.org/10.1016/0272-0590(88)90149-2). PubMed PMID: 3220204.
75. Rao GN, Birnbaum LS, Collins JJ, Tennant RW, Skow LC. Mouse strains for chemical carcinogenicity studies: overview of a workshop. *Fundamental and applied toxicology: official journal of the Society of Toxicology*. 1988;10(3):385-94. Epub 1988/04/01. doi: [http://dx.doi.org/10.1016/0272-0590\(88\)90285-0](http://dx.doi.org/10.1016/0272-0590(88)90285-0). PubMed PMID: 3286346.
76. Sabourin PJ, Bechtold WE, Birnbaum LS, Lucier G, Henderson RF. Differences in the metabolism and disposition of inhaled [3H]benzene by F344/N rats and B6C3F1 mice. *Toxicology and applied pharmacology*. 1988;94(1):128-40. Epub 1988/06/15. doi: [http://dx.doi.org/10.1016/0041-008X\(88\)90343-2](http://dx.doi.org/10.1016/0041-008X(88)90343-2). PubMed PMID: 3376110.
77. Abbott BD, Birnbaum LS. Cellular alterations and enhanced induction of cleft palate after coadministration of retinoic acid and TCDD. *Toxicology and applied pharmacology*. 1989;99(2):287-301. Epub 1989/06/15. doi: [http://dx.doi.org/10.1016/0041-008X\(89\)90011-2](http://dx.doi.org/10.1016/0041-008X(89)90011-2). PubMed PMID: 2734792.
78. Abbott BD, Birnbaum LS. TCDD alters medial epithelial cell differentiation during palatogenesis. *Toxicology and applied pharmacology*. 1989;99(2):276-86. Epub 1989/06/15. doi: [http://dx.doi.org/10.1016/0041-008X\(89\)90010-0](http://dx.doi.org/10.1016/0041-008X(89)90010-0). PubMed PMID: 2734791.

79. Abbott BD, Diliberto JJ, Birnbaum LS. 2,3,7,8-Tetrachlorodibenzo-p-dioxin alters embryonic palatal medial epithelial cell differentiation in vitro. *Toxicology and applied pharmacology*. 1989;100(1):119-31. Epub 1989/08/01. doi: [http://dx.doi.org/10.1016/0041-008X\(89\)90096-3](http://dx.doi.org/10.1016/0041-008X(89)90096-3). PubMed PMID: 2763295.
80. Abbott BD, Harris MW, Birnbaum LS. Etiology of retinoic acid-induced cleft palate varies with the embryonic stage. *Teratology*. 1989;40(6):533-53. Epub 1989/12/01. doi: <http://dx.doi.org/10.1002/tera.1420400602>. PubMed PMID: 2623642.
81. Birnbaum LS, Couture LA, Elwell MR. Subchronic Effects of Exposure to Octachlorodibenzodioxin (OCDD). *Chemosphere*. 1989;18(1-6):389-90. doi: [http://dx.doi.org/10.1016/0045-6535\(89\)90145-8](http://dx.doi.org/10.1016/0045-6535(89)90145-8). PubMed PMID: WOS:A1989U969500048.
82. Birnbaum LS, Harris MW, Stocking LM, Clark AM, Morrissey RE. Retinoic acid and 2,3,7,8-tetrachlorodibenzo-p-dioxin selectively enhance teratogenesis in C57BL/6N mice. *Toxicology and applied pharmacology*. 1989;98(3):487-500. Epub 1989/05/01. doi: [http://dx.doi.org/10.1016/0041-008X\(89\)90177-4](http://dx.doi.org/10.1016/0041-008X(89)90177-4). PubMed PMID: 2718176.
83. Brewster DW, Banks YB, Clark AM, Birnbaum LS. Comparative dermal absorption of 2,3,7,8-tetrachlorodibenzo-p-dioxin and three polychlorinated dibenzofurans. *Toxicology and applied pharmacology*. 1989;97(1):156-66. Epub 1989/01/01. doi: [http://dx.doi.org/10.1016/0041-008X\(89\)90064-1](http://dx.doi.org/10.1016/0041-008X(89)90064-1). PubMed PMID: 2916232.
84. Brewster DW, Birnbaum LS. The biochemical toxicity of perfluorodecanoic acid in the mouse is different from that of 2,3,7,8-tetrachlorodibenzo-p-dioxin. *Toxicology and applied pharmacology*. 1989;99(3):544-54. Epub 1989/07/01. doi: [http://dx.doi.org/10.1016/0041-008X\(89\)90161-0](http://dx.doi.org/10.1016/0041-008X(89)90161-0). PubMed PMID: 2749739.
85. Couture LA, Harris MW, Birnbaum LS. Developmental toxicity of 2,3,4,7,8-pentachlorodibenzofuran in the Fischer 344 rat. *Fundamental and applied toxicology: official journal of the Society of Toxicology*. 1989;12(2):358-66. Epub 1989/02/01. doi: [http://dx.doi.org/10.1016/0272-0590\(89\)90052-3](http://dx.doi.org/10.1016/0272-0590(89)90052-3). PubMed PMID: 2714534.
86. George JD, Price CJ, Marr MC, Sadler BM, Schwetz BA, Birnbaum LS, Morrissey RE. Developmental toxicity of 1,1,1-trichloroethane in CD rats. *Fundamental and applied toxicology: official journal of the Society of Toxicology*. 1989;13(4):641-51. Epub 1989/11/01. doi: [http://dx.doi.org/10.1016/0272-0590\(89\)90322-9](http://dx.doi.org/10.1016/0272-0590(89)90322-9). PubMed PMID: 2620788.
87. Gerlach RF, Medinsky MA, Hobbs CH, Bice DE, Bechtold WE, Cheng YS, Gillett NA, Birnbaum LS, Mauderly JL. Effect of four-week repeated inhalation exposure to unconjugated azodicarbonamide on specific and non-specific airway sensitivity of the guinea pig. *Journal of applied toxicology: JAT*. 1989;9(3):145-53. Epub 1989/06/01. doi: <http://dx.doi.org/10.1002/jat.2550090303>. PubMed PMID: 2745922.
88. Harris MW, Birnbaum LS. Developmental toxicity of perfluorodecanoic acid in C57BL/6N mice. *Fundamental and applied toxicology: official journal of the Society of Toxicology*. 1989;12(3):442-8. Epub 1989/04/01. doi: [http://dx.doi.org/10.1016/0272-0590\(89\)90018-3](http://dx.doi.org/10.1016/0272-0590(89)90018-3). PubMed PMID: 2731659.
89. Harris MW, Uraih LC, Birnbaum LS. Acute toxicity of perfluorodecanoic acid in C57BL/6 mice differs from 2,3,7,8-tetrachlorodibenzo-p-dioxin. *Fundamental and applied toxicology: official journal of the Society of Toxicology*. 1989;13(4):723-36. Epub 1989/11/01. doi: [http://dx.doi.org/10.1016/0272-0590\(89\)90330-8](http://dx.doi.org/10.1016/0272-0590(89)90330-8). PubMed PMID: 2620793.
90. Hebert CD, Birnbaum LS. Lack of correlation between sensitivity to growth inhibition and receptor number for transforming growth factor beta in human squamous carcinoma cell lines. *Cancer research*. 1989;49(12):3196-202. Epub 1989/06/15. doi: <http://www.ncbi.nlm.nih.gov/pubmed/2541899>. PubMed PMID:

2541899.

91. Henderson RF, Sabourin PJ, Bechtold WE, Griffith WC, Medinsky MA, Birnbaum LS, Lucier GW. The effect of dose, dose rate, route of administration, and species on tissue and blood levels of benzene metabolites. *Environmental health perspectives*. 1989;82:9-17. Epub 1989/07/01. doi: <http://dx.doi.org/10.2307/3430755>. PubMed PMID: 2792053; PMCID: PMC1568113.
92. McMahon TF, Diliberto JJ, Birnbaum LS. Age-related changes in the disposition of benzyl acetate. A model compound for glycine conjugation. *Drug metabolism and disposition: the biological fate of chemicals*. 1989;17(5):506-12. Epub 1989/09/01. doi: <http://www.ncbi.nlm.nih.gov/pubmed/2573493>. PubMed PMID: 2573493.
93. Medinsky MA, Sabourin PJ, Henderson RF, Lucier G, Birnbaum LS. Differences in the pathways for metabolism of benzene in rats and mice simulated by a physiological model. *Environmental health perspectives*. 1989;82:43-9. Epub 1989/07/01. doi: <http://dx.doi.org/10.2307/3430760>. PubMed PMID: 2792050; PMCID: PMC1568104.
94. Medinsky MA, Sabourin PJ, Lucier G, Birnbaum LS, Henderson RF. A physiological model for simulation of benzene metabolism by rats and mice. *Toxicology and applied pharmacology*. 1989;99(2):193-206. Epub 1989/06/15. doi: [http://dx.doi.org/10.1016/0041-008X\(89\)90002-1](http://dx.doi.org/10.1016/0041-008X(89)90002-1). PubMed PMID: 2734786.
95. Medinsky MA, Sabourin PJ, Lucier G, Birnbaum LS, Henderson RF. A toxikinetik model for simulation of benzene metabolism. *Experimental pathology*. 1989;37(1-4):150-4. Epub 1989/01/01. doi: [http://dx.doi.org/10.1016/S0232-1513\(89\)80036-2](http://dx.doi.org/10.1016/S0232-1513(89)80036-2). PubMed PMID: 2637146.
96. Ryan RP, Sunahara GI, Lucier GW, Birnbaum LS, Nelson KG. Decreased ligand binding to the hepatic glucocorticoid and epidermal growth factor receptors after 2,3,4,7,8-pentachlorodibenzofuran and 1,2,3,4,7,8-hexachlorodibenzofuran treatment of pregnant mice. *Toxicology and applied pharmacology*. 1989;98(3):454-64. Epub 1989/05/01. doi: [http://dx.doi.org/10.1016/0041-008X\(89\)90174-9](http://dx.doi.org/10.1016/0041-008X(89)90174-9). PubMed PMID: 2718174.
97. Sabourin PJ, Bechtold WE, Griffith WC, Birnbaum LS, Lucier G, Henderson RF. Effect of exposure concentration, exposure rate, and route of administration on metabolism of benzene by F344 rats and B6C3F1 mice. *Toxicology and applied pharmacology*. 1989;99(3):421-44. Epub 1989/07/01. doi: [http://dx.doi.org/10.1016/0041-008X\(89\)90151-8](http://dx.doi.org/10.1016/0041-008X(89)90151-8). PubMed PMID: 2749731.
98. Sabourin PJ, Sun JD, Birnbaum LS, Lucier G, Henderson RF. Effect of repeated benzene inhalation exposures on subsequent metabolism of benzene. *Experimental pathology*. 1989;37(1-4):155-7. Epub 1989/01/01. doi: [http://dx.doi.org/10.1016/S0232-1513\(89\)80038-6](http://dx.doi.org/10.1016/S0232-1513(89)80038-6). PubMed PMID: 2637147.
99. Sun JD, Dahl AR, Bond JA, Birnbaum LS, Henderson RF. Characterization of hemoglobin adduct formation in mice and rats after administration of [14C]butadiene or [14C]isoprene. *Toxicology and applied pharmacology*. 1989;100(1):86-95. Epub 1989/08/01. doi: [http://dx.doi.org/10.1016/0041-008X\(89\)90093-8](http://dx.doi.org/10.1016/0041-008X(89)90093-8). PubMed PMID: 2763304.
100. Sun JD, Dahl AR, Bond JA, Birnbaum LS, Henderson RF. Metabolism of inhaled butadiene to monkeys: comparison to rodents. *Experimental pathology*. 1989;37(1-4):133-5. Epub 1989/01/01. doi: [http://dx.doi.org/10.1016/S0232-1513\(89\)80032-5](http://dx.doi.org/10.1016/S0232-1513(89)80032-5). PubMed PMID: 2637143.
101. Abbott BD, Birnbaum LS. TCDD-induced altered expression of growth factors may have a role in producing cleft palate and enhancing the incidence of clefts after coadministration of retinoic acid and TCDD. *Toxicology and applied pharmacology*. 1990;106(3):418-32. Epub 1990/12/01. doi: [http://dx.doi.org/10.1016/0041-008X\(90\)90337-T](http://dx.doi.org/10.1016/0041-008X(90)90337-T). PubMed PMID: 2260090.

102. Abbott BD, Birnbaum LS. Retinoic acid-induced alterations in the expression of growth factors in embryonic mouse palatal shelves. *Teratology*. 1990;42(6):597-610. Epub 1990/12/01. doi: <http://dx.doi.org/10.1002/tera.1420420604>. PubMed PMID: 2087681.
103. Abbott BD, Birnbaum LS. Rat embryonic palatal shelves respond to TCDD in organ culture. *Toxicology and applied pharmacology*. 1990;103(3):441-51. Epub 1990/05/01. doi: [http://dx.doi.org/10.1016/0041-008X\(90\)90317-N](http://dx.doi.org/10.1016/0041-008X(90)90317-N). PubMed PMID: 2339417.
104. Abbott BD, Birnbaum LS. Effects of TCDD on embryonic ureteric epithelial EGF receptor expression and cell proliferation. *Teratology*. 1990;41(1):71-84. Epub 1990/01/01. doi: <http://dx.doi.org/10.1002/tera.1420410108>. PubMed PMID: 2305375.
105. Abbott BD, Hill LG, Birnbaum LS. Processes involved in retinoic acid production of small embryonic palatal shelves and limb defects. *Teratology*. 1990;41(3):299-310. Epub 1990/03/01. doi: <http://dx.doi.org/10.1002/tera.1420410307>. PubMed PMID: 2326754.
106. Banks YB, Brewster DW, Birnbaum LS. Age-related changes in dermal absorption of 2,3,7,8-tetrachlorodibenzo-p-dioxin and 2,3,4,7,8-pentachlorodibenzofuran. *Fundamental and applied toxicology: official journal of the Society of Toxicology*. 1990;15(1):163-73. Epub 1990/07/01. doi: [http://dx.doi.org/10.1016/0272-0590\(90\)90173-H](http://dx.doi.org/10.1016/0272-0590(90)90173-H). PubMed PMID: 2373296.
107. Birnbaum LS, McDonald MM, Blair PC, Clark AM, Harris MW. Differential toxicity of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) in C57BL/6J mice congenic at the Ah Locus. *Fundamental and applied toxicology: official journal of the Society of Toxicology*. 1990;15(1):186-200. Epub 1990/07/01. doi: [http://dx.doi.org/10.1016/0272-0590\(90\)90175-J](http://dx.doi.org/10.1016/0272-0590(90)90175-J). PubMed PMID: 2373298.
108. Couture LA, Abbott BD, Birnbaum LS. A critical review of the developmental toxicity and teratogenicity of 2,3,7,8-tetrachlorodibenzo-p-dioxin: recent advances toward understanding the mechanism. *Teratology*. 1990;42(6):619-27. Epub 1990/12/01. doi: <http://dx.doi.org/10.1002/tera.1420420606>. PubMed PMID: 2087682.
109. Couture LA, Harris MW, Birnbaum LS. Characterization of the peak period of sensitivity for the induction of hydronephrosis in C57BL/6N mice following exposure to 2,3,7,8-tetrachlorodibenzo-p-dioxin. *Fundamental and applied toxicology: official journal of the Society of Toxicology*. 1990;15(1):142-50. Epub 1990/07/01. doi: [http://dx.doi.org/10.1016/0272-0590\(90\)90171-F](http://dx.doi.org/10.1016/0272-0590(90)90171-F). PubMed PMID: 2373295.
110. Dahl AR, Bechtold WE, Bond JA, Henderson RF, Mauderly JL, Muggenburg BA, Sun JD, Birnbaum LS. Species differences in the metabolism and disposition of inhaled 1,3-butadiene and isoprene. *Environmental health perspectives*. 1990;86:65-9. Epub 1990/06/01. doi: <http://dx.doi.org/10.2307/3430933>. PubMed PMID: 2401273; PMCID: PMC1567764.
111. Diliberto JJ, Srinivas P, Overstreet D, Usha G, Burka LT, Birnbaum LS. Metabolism of citral, an alpha,beta-unsaturated aldehyde, in male F344 rats. *Drug metabolism and disposition: the biological fate of chemicals*. 1990;18(6):866-75. Epub 1990/11/01. doi: <http://www.ncbi.nlm.nih.gov/pubmed/1981530>. PubMed PMID: 1981530.
112. Hebert CD, Cao QL, Birnbaum LS. Role of transforming growth factor beta in the proliferative effect of 2,3,7,8-tetrachlorodibenzo-p-dioxin on human squamous carcinoma cells. *Cancer research*. 1990;50(22):7190-7. Epub 1990/11/15. doi: <http://www.ncbi.nlm.nih.gov/pubmed/2171758>. PubMed PMID: 2171758.
113. Hebert CD, Cao QL, Birnbaum LS. Inhibition of high-density growth arrest in human squamous carcinoma

- cells by 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD). *Carcinogenesis*. 1990;11(8):1335-42. Epub 1990/08/01. doi: <http://dx.doi.org/10.1093/carcin/11.8.1335>. PubMed PMID: 2387019.
114. Hebert CD, Harris MW, Elwell MR, Birnbaum LS. Relative toxicity and tumor-promoting ability of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD), 2,3,4,7,8-pentachlorodibenzofuran (PCDF), and 1,2,3,4,7,8-hexachlorodibenzofuran (HCDF) in hairless mice. *Toxicology and applied pharmacology*. 1990;102(2):362-77. Epub 1990/02/01. doi: [http://dx.doi.org/10.1016/0041-008X\(90\)90033-Q](http://dx.doi.org/10.1016/0041-008X(90)90033-Q). PubMed PMID: 2300974.
115. McMahon TF, Birnbaum LS. Age-related changes in toxicity and biotransformation of potassium cyanide in male C57BL/6N mice. *Toxicology and applied pharmacology*. 1990;105(2):305-14. Epub 1990/09/01. doi: [http://dx.doi.org/10.1016/0041-008X\(90\)90191-V](http://dx.doi.org/10.1016/0041-008X(90)90191-V). PubMed PMID: 2171158.
116. McMahon TF, Diliberto JJ, Birnbaum LS. Effects of age and dose on disposition and metabolism of salicylic acid in male Fischer 344 rats. *Drug metabolism and disposition: the biological fate of chemicals*. 1990;18(4):494-503. Epub 1990/07/01. doi: <http://www.ncbi.nlm.nih.gov/pubmed/1976074>. PubMed PMID: 1976074.
117. Medinsky MA, Bechtold WE, Birnbaum LS, Bond JA, Burt DG, Cheng YS, Gillett NA, Gulati DK, Hobbs CH, Pickrell JA. Effect of inhaled azodicarbonamide on F344/N rats and B6C3F1 mice with 2-week and 13-week inhalation exposures. *Fundamental and applied toxicology: official journal of the Society of Toxicology*. 1990;15(2):308-19. Epub 1990/08/01. doi: [http://dx.doi.org/10.1016/0272-0590\(90\)90057-Q](http://dx.doi.org/10.1016/0272-0590(90)90057-Q). PubMed PMID: 2227158.
118. Medinsky MA, Bechtold WE, Birnbaum LS, Henderson RF. Measurement of steady-state blood concentrations in B6C3F1 mice exposed by inhalation to vinylidene fluoride. *Toxicology*. 1990;64(3):255-63. Epub 1990/12/03. doi: [http://dx.doi.org/10.1016/0300-483X\(90\)90118-Z](http://dx.doi.org/10.1016/0300-483X(90)90118-Z). PubMed PMID: 2267664.
119. Medinsky MA, Singh G, Bechtold WE, Bond JA, Sabourin PJ, Birnbaum LS, Henderson RF. Disposition of three glycol ethers administered in drinking water to male F344/N rats. *Toxicology and applied pharmacology*. 1990;102(3):443-55. Epub 1990/03/01. doi: [http://dx.doi.org/10.1016/0041-008X\(90\)90040-2](http://dx.doi.org/10.1016/0041-008X(90)90040-2). PubMed PMID: 2107602.
120. Sabourin PJ, Sun JD, MacGregor JT, Wehr CM, Birnbaum LS, Lucier G, Henderson RF. Effect of repeated benzene inhalation exposures on benzene metabolism, binding to hemoglobin, and induction of micronuclei. *Toxicology and applied pharmacology*. 1990;103(3):452-62. Epub 1990/05/01. doi: [http://dx.doi.org/10.1016/0041-008X\(90\)90318-O](http://dx.doi.org/10.1016/0041-008X(90)90318-O). PubMed PMID: 2339418.
121. Stohs SJ, Abbott BD, Lin FH, Birnbaum LS. Induction of ethoxyresorufin-O-deethylase and inhibition of glucocorticoid receptor binding in skin and liver of haired and hairless HRS/J mice by topically applied 2,3,7,8-tetrachlorodibenzo-p-dioxin. *Toxicology*. 1990;65(1-2):123-36. Epub 1990/12/17. doi: [http://dx.doi.org/10.1016/0300-483X\(90\)90083-S](http://dx.doi.org/10.1016/0300-483X(90)90083-S). PubMed PMID: 2274963.
122. Sun JD, Medinsky MA, Birnbaum LS, Lucier G, Henderson RF. Benzene hemoglobin adducts in mice and rats: characterization of formation and physiological modeling. *Fundamental and applied toxicology: official journal of the Society of Toxicology*. 1990;15(3):468-75. Epub 1990/10/01. doi: [http://dx.doi.org/10.1016/0272-0590\(90\)90033-G](http://dx.doi.org/10.1016/0272-0590(90)90033-G). PubMed PMID: 2258011.
123. Abbott BD, Birnbaum LS. TCDD exposure of human embryonic palatal shelves in organ culture alters the differentiation of medial epithelial cells. *Teratology*. 1991;43(2):119-32. Epub 1991/02/01. doi: <http://dx.doi.org/10.1002/tera.1420430205>. PubMed PMID: 2014478.
124. Banks YB, Birnbaum LS. Absorption of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) after low dose dermal

- exposure. *Toxicology and applied pharmacology*. 1991;107(2):302-10. Epub 1991/02/01. doi: [http://dx.doi.org/10.1016/0041-008X\(91\)90210-6](http://dx.doi.org/10.1016/0041-008X(91)90210-6). PubMed PMID: 1994512.
125. Barnes D, Alford-Stevens A, Birnbaum LS, Kutz FW, Wood W, Patton D. Toxicity equivalency factors for PCBs? Quality assurance (San Diego, Calif). 1991;1(1):70-81. Epub 1991/10/01. doi: <http://www.ncbi.nlm.nih.gov/pubmed/1669971>. PubMed PMID: 1669971.
126. Bechtold WE, Lucier G, Birnbaum LS, Yin SN, Li GL, Henderson RF. Muconic acid determinations in urine as a biological exposure index for workers occupationally exposed to benzene. *American Industrial Hygiene Association journal*. 1991;52(11):473-8. Epub 1991/11/01. doi: <http://dx.doi.org/10.1080/15298669191365072>. PubMed PMID: 1746409.
127. Birnbaum LS. Pharmacokinetic basis of age-related changes in sensitivity to toxicants. *Annual review of pharmacology and toxicology*. 1991;31:101-28. Epub 1991/01/01. doi: <http://dx.doi.org/10.1146/annurev.pa.31.040191.000533>. PubMed PMID: 2064370.
128. Birnbaum LS, Morrissey RE, Harris MW. Teratogenic effects of 2,3,7,8-tetrabromodibenzo-p-dioxin and three polybrominated dibenzofurans in C57BL/6N mice. *Toxicology and applied pharmacology*. 1991;107(1):141-52. Epub 1991/01/01. doi: [http://dx.doi.org/10.1016/0041-008X\(91\)90338-F](http://dx.doi.org/10.1016/0041-008X(91)90338-F). PubMed PMID: 1987653.
129. Bond JA, Bechtold WE, Birnbaum LS, Dahl AR, Medinsky MA, Sun JD, Henderson RF. Disposition of inhaled isoprene in B6C3F1 mice. *Toxicology and applied pharmacology*. 1991;107(3):494-503. Epub 1991/03/01. doi: [http://dx.doi.org/10.1016/0041-008X\(91\)90312-3](http://dx.doi.org/10.1016/0041-008X(91)90312-3). PubMed PMID: 2000636.
130. Couture-Haws L, Harris MW, Lockhart AC, Birnbaum LS. Evaluation of the persistence of hydronephrosis induced in mice following in utero and/or lactational exposure to 2,3,7,8-tetrachlorodibenzo-p-dioxin. *Toxicology and applied pharmacology*. 1991;107(3):402-12. Epub 1991/03/01. doi: [http://dx.doi.org/10.1016/0041-008X\(91\)90304-W](http://dx.doi.org/10.1016/0041-008X(91)90304-W). PubMed PMID: 2000631.
131. Couture-Haws L, Harris MW, McDonald MM, Lockhart AC, Birnbaum LS. Hydronephrosis in mice exposed to TCDD-contaminated breast milk: identification of the peak period of sensitivity and assessment of potential recovery. *Toxicology and applied pharmacology*. 1991;107(3):413-28. Epub 1991/03/01. doi: [http://dx.doi.org/10.1016/0041-008X\(91\)90305-X](http://dx.doi.org/10.1016/0041-008X(91)90305-X). PubMed PMID: 2000632.
132. Dahl AR, Sun JD, Birnbaum LS, Bond JA, Griffith WC, Jr., Mauderly JL, Muggenburg BA, Sabourin PJ, Henderson RF. Toxicokinetics of inhaled 1,3-butadiene in monkeys: comparison to toxicokinetics in rats and mice. *Toxicology and applied pharmacology*. 1991;110(1):9-19. Epub 1991/08/11. doi: [http://dx.doi.org/10.1016/0041-008X\(91\)90285-M](http://dx.doi.org/10.1016/0041-008X(91)90285-M). PubMed PMID: 1908146.
133. Kedderis LB, Diliberto JJ, Birnbaum LS. Disposition and excretion of intravenous 2,3,7,8-tetrabromodibenzo-p-dioxin (TBDD) in rats. *Toxicology and applied pharmacology*. 1991;108(3):397-406. Epub 1991/05/01. doi: [http://dx.doi.org/10.1016/0041-008X\(91\)90086-T](http://dx.doi.org/10.1016/0041-008X(91)90086-T). PubMed PMID: 2020967.
134. Kedderis LB, Diliberto JJ, Linko P, Goldstein JA, Birnbaum LS. Disposition of 2,3,7,8-tetrabromodibenzo-p-dioxin and 2,3,7,8-tetrachlorodibenzo-p-dioxin in the rat: biliary excretion and induction of cytochromes CYP1A1 and CYP1A2. *Toxicology and applied pharmacology*. 1991;111(1):163-72. Epub 1991/10/01. doi: [http://dx.doi.org/10.1016/0041-008X\(91\)90145-5](http://dx.doi.org/10.1016/0041-008X(91)90145-5). PubMed PMID: 1949032.
135. Lin FH, Clark G, Birnbaum LS, Lucier GW, Goldstein JA. Influence of the Ah locus on the effects of 2,3,7,8-tetrachlorodibenzo-p-dioxin on the hepatic epidermal growth factor receptor. *Molecular pharmacology*. 1991;39(3):307-13. Epub 1991/03/01. doi: <http://www.ncbi.nlm.nih.gov/pubmed/1848654>. PubMed PMID: 1848654.

136. Lin FH, Stohs SJ, Birnbaum LS, Clark G, Lucier GW, Goldstein JA. The effects of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) on the hepatic estrogen and glucocorticoid receptors in congenic strains of Ah responsive and Ah nonresponsive C57BL/6J mice. *Toxicology and applied pharmacology*. 1991;108(1):129-39. Epub 1991/03/15. doi: [http://dx.doi.org/10.1016/0041-008X\(91\)90276-K](http://dx.doi.org/10.1016/0041-008X(91)90276-K). PubMed PMID: 1672475.
137. McMahon TF, Birnbaum LS. Age-related changes in disposition and metabolism of benzene in male C57BL/6N mice. *Drug metabolism and disposition: the biological fate of chemicals*. 1991;19(6):1052-7. Epub 1991/11/01. doi: <http://www.ncbi.nlm.nih.gov/pubmed/1687010>. PubMed PMID: 1687010.
138. McMahon TF, Stefanski SA, Wilson RE, Blair PC, Clark AM, Birnbaum LS. Comparative acute nephrotoxicity of salicylic acid, 2,3-dihydroxybenzoic acid, and 2,5-dihydroxybenzoic acid in young and middle-aged Fischer 344 rats. *Toxicology*. 1991;66(3):297-311. Epub 1991/03/11. doi: [http://dx.doi.org/10.1016/0300-483X\(91\)90201-B](http://dx.doi.org/10.1016/0300-483X(91)90201-B). PubMed PMID: 2011854.
139. Monteiro-Riviere NA, Banks YB, Birnbaum LS. Laser Doppler measurements of cutaneous blood flow in ageing mice and rats. *Toxicology letters*. 1991;57(3):329-38. Epub 1991/08/01. doi: [http://dx.doi.org/10.1016/0378-4274\(91\)90207-M](http://dx.doi.org/10.1016/0378-4274(91)90207-M). PubMed PMID: 1831938.
140. Abbott BD, Harris MW, Birnbaum LS. Comparisons of the effects of TCDD and hydrocortisone on growth factor expression provide insight into their interaction in the embryonic mouse palate. *Teratology*. 1992;45(1):35-53. Epub 1992/01/01. doi: <http://dx.doi.org/10.1002/tera.1420450104>. PubMed PMID: 1731395.
141. Bechtold WE, Sun JD, Birnbaum LS, Yin SN, Li GL, Kasicki S, Lucier G, Henderson RF. S-phenylcysteine formation in hemoglobin as a biological exposure index to benzene. *Archives of toxicology*. 1992;66(5):303-9. Epub 1992/01/01. doi: <http://dx.doi.org/10.1007/BF01973623>. PubMed PMID: 1610291.
142. Henderson RF, Sabourin PJ, Medinsky MA, Birnbaum LS, Lucier GL. Benzene dosimetry in experimental animals: relevance for risk assessment. *Progress in clinical and biological research*. 1992;374:93-105. Epub 1992/01/01. doi: <http://www.ncbi.nlm.nih.gov/pubmed/1620720>. PubMed PMID: 1620720.
143. Morrissey RE, Harris MW, Diliberto JJ, Birnbaum LS. Limited PCB antagonism of TCDD-induced malformations in mice. *Toxicology letters*. 1992;60(1):19-25. Epub 1992/01/01. doi: [http://dx.doi.org/10.1016/0378-4274\(92\)90043-J](http://dx.doi.org/10.1016/0378-4274(92)90043-J). PubMed PMID: 1539179.
144. Sabourin PJ, Medinsky MA, Birnbaum LS, Griffith WC, Henderson RF. Effect of exposure concentration on the disposition of inhaled butoxyethanol by F344 rats. *Toxicology and applied pharmacology*. 1992;114(2):232-8. Epub 1992/06/01. doi: [http://dx.doi.org/10.1016/0041-008X\(92\)90073-2](http://dx.doi.org/10.1016/0041-008X(92)90073-2). PubMed PMID: 1609415.
145. Sabourin PJ, Medinsky MA, Thurmond F, Birnbaum LS, Henderson RF. Effect of dose on the disposition of methoxyethanol, ethoxyethanol, and butoxyethanol administered dermally to male F344/N rats. *Fundamental and applied toxicology: official journal of the Society of Toxicology*. 1992;19(1):124-32. Epub 1992/07/01. doi: [http://dx.doi.org/10.1016/0272-0590\(92\)90036-H](http://dx.doi.org/10.1016/0272-0590(92)90036-H). PubMed PMID: 1397793.
146. Sabourin PJ, Muggenburg BA, Couch RC, Lefler D, Lucier G, Birnbaum LS, Henderson RF. Metabolism of [14C]benzene by cynomolgus monkeys and chimpanzees. *Toxicology and applied pharmacology*. 1992;114(2):277-84. Epub 1992/06/01. doi: [http://dx.doi.org/10.1016/0041-008X\(92\)90078-7](http://dx.doi.org/10.1016/0041-008X(92)90078-7). PubMed PMID: 1609420.
147. Andersen ME, Mills JJ, Gargas ML, Kedderis L, Birnbaum LS, Neubert D, Greenlee WF. Modeling receptor-mediated processes with dioxin: implications for pharmacokinetics and risk assessment. *Risk*

- analysis: an official publication of the Society for Risk Analysis. 1993;13(1):25-36. Epub 1993/02/01. doi: <http://dx.doi.org/10.1111/j.1539-6924.1993.tb00726.x>. PubMed PMID: 8383868.
148. Anderson YB, Jackson JA, Birnbaum LS. Maturation changes in dermal absorption of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) in Fischer 344 rats. *Toxicology and applied pharmacology*. 1993;119(2):214-20. Epub 1993/04/01. doi: <http://dx.doi.org/10.1006/taap.1993.1062>. PubMed PMID: 8480330.
149. Birnbaum LS. A brief survey of butadiene health effects: a role for metabolic differences. *Environmental health perspectives*. 1993;101 Suppl 6:161-7. Epub 1993/12/01. doi: <http://dx.doi.org/10.1289/ehp.93101s6161>. PubMed PMID: 8020440; PMCID: PMC1520015.
150. De Vito MJ, Maier WE, Diliberto JJ, Birnbaum LS. Comparative ability of various PCBs, PCDFs, and TCDD to induce cytochrome P450 1A1 and 1A2 activity following 4 weeks of treatment. *Fundamental and applied toxicology: official journal of the Society of Toxicology*. 1993;20(1):125-30. Epub 1993/01/01. doi: <http://dx.doi.org/10.1006/faat.1993.1015>. PubMed PMID: 8432423.
151. Diliberto JJ, Kedderis LB, Jackson JA, Birnbaum LS. Effects of dose and routes of exposure on the disposition of 2,3,7,8-[3H]tetrabromodibenzo-p-dioxin (TBDD) in the rat. *Toxicology and applied pharmacology*. 1993;120(2):315-26. Epub 1993/06/01. doi: <http://dx.doi.org/10.1006/taap.1993.1117>. PubMed PMID: 8511802.
152. Jackson JA, Diliberto JJ, Birnbaum LS. Estimation of octanol-water partition coefficients and correlation with dermal absorption for several polyhalogenated aromatic hydrocarbons. *Fundamental and applied toxicology: official journal of the Society of Toxicology*. 1993;21(3):334-44. Epub 1993/10/01. doi: <http://dx.doi.org/10.1006/faat.1993.1106>. PubMed PMID: 8258387.
153. Kedderis LB, Andersen ME, Birnbaum LS. Effect of dose, time, and pretreatment on the biliary excretion and tissue distribution of 2,3,7,8-tetrachlorodibenzo-p-dioxin in the rat. *Fundamental and applied toxicology: official journal of the Society of Toxicology*. 1993;21(4):405-11. Epub 1993/11/01. doi: <http://dx.doi.org/10.1006/faat.1993.1115>. PubMed PMID: 8253293.
154. Kedderis LB, Mills JJ, Andersen ME, Birnbaum LS. A physiologically based pharmacokinetic model for 2,3,7,8-tetrabromodibenzo-p-dioxin (TBDD) in the rat: tissue distribution and CYP1A induction. *Toxicology and applied pharmacology*. 1993;121(1):87-98. Epub 1993/07/01. doi: <http://dx.doi.org/10.1006/taap.1993.1132>. PubMed PMID: 8337704.
155. McKinley MK, Kedderis LB, Birnbaum LS. The effect of pretreatment on the biliary excretion of 2,3,7,8-tetrachlorodibenzo-p-dioxin, 2,3,7,8-tetrachlorodibenzofuran, and 3,3',4,4'-tetrachlorobiphenyl in the rat. *Fundamental and applied toxicology: official journal of the Society of Toxicology*. 1993;21(4):425-32. Epub 1993/11/01. doi: <http://dx.doi.org/10.1006/faat.1993.1118>. PubMed PMID: 8253296.
156. Shyr LJ, Sabourin PJ, Medinsky MA, Birnbaum LS, Henderson RF. Physiologically based modeling of 2-butoxyethanol disposition in rats following different routes of exposure. *Environmental research*. 1993;63(2):202-18. Epub 1993/11/01. doi: <http://dx.doi.org/10.1006/enrs.1993.1141>. PubMed PMID: 8243415.
157. Abbott BD, Perdeu GH, Birnbaum LS. Ah receptor in embryonic mouse palate and effects of TCDD on receptor expression. *Toxicology and applied pharmacology*. 1994;126(1):16-25. Epub 1994/05/01. doi: <http://dx.doi.org/10.1006/taap.1994.1085>. PubMed PMID: 8184424.
158. Abbott BD, Perdeu GH, Buckalew AR, Birnbaum LS. Interactive regulation of Ah and glucocorticoid receptors in the synergistic induction of cleft palate by 2,3,7,8-tetrachlorodibenzo-p-dioxin and hydrocortisone. *Toxicology and applied pharmacology*. 1994;128(1):138-50. Epub 1994/09/01. doi:

- <http://dx.doi.org/10.1006/taap.1994.1191>. PubMed PMID: 8079347.
159. Andersen ME, Mills JJ, Fox TR, Goldsworthy TL, Conolly RB, Birnbaum LS. Receptor-mediated toxicity and implications for risk assessment. *Progress in clinical and biological research*. 1994;387:295-310. Epub 1994/01/01. doi: <https://www.ncbi.nlm.nih.gov/pubmed/7972254>. PubMed PMID: 7972254.
160. Birnbaum LS. The mechanism of dioxin toxicity: relationship to risk assessment. *Environmental health perspectives*. 1994;102 Suppl 9:157-67. Epub 1994/11/01. doi: <http://dx.doi.org/10.1289/ehp.94102s9157>. PubMed PMID: 7698077; PMCID: PMC1566802.
161. Birnbaum LS. Endocrine effects of prenatal exposure to PCBs, dioxins, and other xenobiotics: implications for policy and future research. *Environmental health perspectives*. 1994;102(8):676-9. Epub 1994/08/01. doi: <http://dx.doi.org/10.2307/3432197>. PubMed PMID: 7895708; PMCID: PMC1567315.
162. Birnbaum LS. Evidence for the role of the Ah receptor in response to dioxin. *Progress in clinical and biological research*. 1994;387:139-54. Epub 1994/01/01. doi: <http://www.ncbi.nlm.nih.gov/pubmed/7972244>. PubMed PMID: 7972244.
163. DeVito MJ, Ma X, Babish JG, Menache M, Birnbaum LS. Dose-response relationships in mice following subchronic exposure to 2,3,7,8-tetrachlorodibenzo-p-dioxin: CYP1A1, CYP1A2, estrogen receptor, and protein tyrosine phosphorylation. *Toxicology and applied pharmacology*. 1994;124(1):82-90. Epub 1994/01/01. doi: <http://dx.doi.org/10.1006/taap.1994.1011>. PubMed PMID: 8291065.
164. Hughes MF, Fisher HL, Birnbaum LS, Hall LL. Effect of age on the in vitro percutaneous absorption of phenols in mice. *Toxicology in vitro: an international journal published in association with BIBRA*. 1994;8(2):221-7. Epub 1994/04/01. doi: [http://dx.doi.org/10.1016/0887-2333\(94\)90186-4](http://dx.doi.org/10.1016/0887-2333(94)90186-4). PubMed PMID: 20692909.
165. Kedderis LB, Jackson JA, Patterson DG, Jr., Grainger J, Diliberto JJ, Birnbaum LS. Chemical characterization and disposition studies with 1,2,7,8-tetrabromodibenzofuran in the rat. *Journal of toxicology and environmental health*. 1994;41(1):53-69. Epub 1994/01/01. doi: <http://dx.doi.org/10.1080/15287399409531826>. PubMed PMID: 8277526.
166. Luebke RW, Copeland CB, Diliberto JJ, Akubue PI, Andrews DL, Riddle MM, Williams WC, Birnbaum LS. Assessment of host resistance to *Trichinella spiralis* in mice following preinfection exposure to 2,3,7,8-TCDD. *Toxicology and applied pharmacology*. 1994;125(1):7-16. Epub 1994/03/01. doi: <http://dx.doi.org/10.1006/taap.1994.1043>. PubMed PMID: 8128497.
167. McMahon TF, Medinsky MA, Birnbaum LS. Age-related changes in benzene disposition in male C57BL/6N mice described by a physiologically based pharmacokinetic model. *Toxicology letters*. 1994;74(3):241-53. Epub 1994/12/01. doi: [http://dx.doi.org/10.1016/0378-4274\(94\)90083-3](http://dx.doi.org/10.1016/0378-4274(94)90083-3). PubMed PMID: 7871548.
168. Narasimhan TR, Craig A, Arellano L, Harper N, Howie L, Menache M, Birnbaum LS, Safe S. Relative Sensitivities of 2,3,7,8-Tetrachlorodibenzo-P-Dioxin-Induced CYP1A-1 and CYP1A-2 Gene-Expression and Immunotoxicity in Female B6C3F1 Mice. *Fundam Appl Toxicol*. 1994;23(4):598-607. doi: <http://dx.doi.org/10.1006/faat.1994.1146>. PubMed PMID: WOS:A1994PR07200016.
169. Abbott BD, Birnbaum LS, Perdew GH. Developmental expression of two members of a new class of transcription factors: I. Expression of aryl hydrocarbon receptor in the C57BL/6N mouse embryo. *Developmental dynamics: an official publication of the American Association of Anatomists*. 1995;204(2):133-43. Epub 1995/10/01. doi: <http://dx.doi.org/10.1002/aja.1002040204>. PubMed PMID: 8589437.
170. Birnbaum LS. Developmental effects of dioxins and related endocrine disrupting chemicals. *Toxicology*

- letters. 1995;82-83:743-50. Epub 1995/12/01. doi: [http://dx.doi.org/10.1016/0378-4274\(95\)03592-3](http://dx.doi.org/10.1016/0378-4274(95)03592-3). PubMed PMID: 8597137.
171. Birnbaum LS. Developmental effects of dioxins. *Environmental health perspectives*. 1995;103 Suppl 7:89-94. Epub 1995/10/01. doi: <http://dx.doi.org/10.2307/3432515>. PubMed PMID: 8593882; PMCID: PMC1518885.
172. Birnbaum LS. Workshop on perinatal exposure to dioxin-like compounds. V. Immunologic effects. *Environmental health perspectives*. 1995;103 Suppl 2:157-60. Epub 1995/03/01. doi: <http://dx.doi.org/10.2307/3432463>. PubMed PMID: 7614940; PMCID: PMC1518849.
173. Birnbaum LS, DeVito MJ. Use of toxic equivalency factors for risk assessment for dioxins and related compounds. *Toxicology*. 1995;105(2-3):391-401. Epub 1995/12/28. doi: [http://dx.doi.org/10.1016/0300-483X\(95\)03237-A](http://dx.doi.org/10.1016/0300-483X(95)03237-A). PubMed PMID: 8571375.
174. Brouwer A, Ahlborg UG, Van den Berg M, Birnbaum LS, Boersma ER, Bosveld B, Denison MS, Gray LE, Hagmar L, Holene E, et al. Functional aspects of developmental toxicity of polyhalogenated aromatic hydrocarbons in experimental animals and human infants. *European journal of pharmacology*. 1995;293(1):1-40. Epub 1995/05/26. doi: [http://dx.doi.org/10.1016/0926-6917\(95\)90015-2](http://dx.doi.org/10.1016/0926-6917(95)90015-2). PubMed PMID: 7545581.
175. Bull RJ, Birnbaum LS, Cantor KP, Rose JB, Butterworth BE, Pegram R, Tuomisto J. Water chlorination: essential process or cancer hazard? *Fundamental and applied toxicology: official journal of the Society of Toxicology*. 1995;28(2):155-66. Epub 1995/12/01. doi: <http://dx.doi.org/10.1006/faat.1995.1156>. PubMed PMID: 8835225.
176. De Jongh J, Devito M, Nieboer R, Birnbaum L, Van den Berg M. Induction of Cytochrome P450 Isoenzymes after Toxicokinetic Interactions between 2,3,7,8-Tetrachlorodibenzo-p-dioxin and 2,2',4,4',5,5'-Hexachlorobiphenyl in the Liver of the Mouse. *Fundam Appl Toxicol*. 1995;25(2):264-70. doi: <http://dx.doi.org/10.1006/faat.1995.1062>.
177. Dejongh J, Devito M, Diliberto J, Vandenberg M, Birnbaum L. The Effects of 2,2',4,4',5,5'-Hexachlorobiphenyl Cotreatment on the Disposition of 2,3,7,8-Tetrachlorodibenzo-p-dioxin in Mice. *Toxicology letters*. 1995;80(1-3):131-7. doi: [http://dx.doi.org/10.1016/0378-4274\(95\)03387-z](http://dx.doi.org/10.1016/0378-4274(95)03387-z). PubMed PMID: WOS:A1995TC88800018.
178. DeVito MJ, Birnbaum LS. Dioxins: model chemicals for assessing receptor-mediated toxicity. *Toxicology*. 1995;102(1-2):115-23. Epub 1995/09/01. doi: [http://dx.doi.org/10.1016/0300-483X\(95\)03040-M](http://dx.doi.org/10.1016/0300-483X(95)03040-M). PubMed PMID: 7482546.
179. DeVito MJ, Birnbaum LS. The importance of pharmacokinetics in determining the relative potency of 2,3,7,8-tetrachlorodibenzo-p-dioxin and 2,3,7,8-tetrachlorodibenzofuran. *Fundamental and applied toxicology: official journal of the Society of Toxicology*. 1995;24(1):145-8. Epub 1995/01/01. doi: <http://dx.doi.org/10.1006/faat.1995.1016>. PubMed PMID: 7713338.
180. DeVito MJ, Birnbaum LS, Farland WH, Gasiewicz TA. Comparisons of estimated human body burdens of dioxinlike chemicals and TCDD body burdens in experimentally exposed animals. *Environmental health perspectives*. 1995;103(9):820-31. Epub 1995/09/01. doi: <http://dx.doi.org/10.2307/3432395>. PubMed PMID: 7498094; PMCID: PMC1519223.
181. Diliberto JJ, Akubue PI, Luebke RW, Birnbaum LS. Dose-response relationships of tissue distribution and induction of CYP1A1 and CYP1A2 enzymatic activities following acute exposure to 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) in mice. *Toxicology and applied pharmacology*. 1995;130(2):197-208. Epub 1995/02/01. doi: <http://dx.doi.org/10.1006/taap.1995.1025>. PubMed PMID: 7871533.

182. Gray LE, Jr., Kelce WR, Monosson E, Ostby JS, Birnbaum LS. Exposure to TCDD during development permanently alters reproductive function in male Long Evans rats and hamsters: reduced ejaculated and epididymal sperm numbers and sex accessory gland weights in offspring with normal androgenic status. *Toxicology and applied pharmacology*. 1995;131(1):108-18. Epub 1995/03/01. doi: <http://dx.doi.org/10.1006/taap.1995.1052>. PubMed PMID: 7878665.
183. Pegram RA, Diliberto JJ, Moore TC, Gao P, Birnbaum LS. 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) distribution and cytochrome P4501A induction in young adult and senescent male mice. *Toxicology letters*. 1995;76(2):119-26. Epub 1995/03/01. doi: [http://dx.doi.org/10.1016/0378-4274\(94\)03212-P](http://dx.doi.org/10.1016/0378-4274(94)03212-P). PubMed PMID: 7725343.
184. Abbott BD, Birnbaum LS, Diliberto JJ. Rapid distribution of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) to embryonic tissues in C57BL/6N mice and correlation with palatal uptake in vitro. *Toxicology and applied pharmacology*. 1996;141(1):256-63. Epub 1996/11/01. doi: <http://dx.doi.org/10.1006/taap.1996.0282>. PubMed PMID: 8917698.
185. Burleson GR, Lebec H, Yang YG, Ibanes JD, Pennington KN, Birnbaum LS. Effect of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) on influenza virus host resistance in mice. *Fundamental and applied toxicology: official journal of the Society of Toxicology*. 1996;29(1):40-7. Epub 1996/01/01. doi: <http://dx.doi.org/10.1006/faat.1996.0004>. PubMed PMID: 8838638.
186. Cummings AM, Metcalf JL, Birnbaum L. Promotion of endometriosis by 2,3,7,8-tetrachlorodibenzo-p-dioxin in rats and mice: Time-dose dependence and species comparison. *Toxicology and applied pharmacology*. 1996;138(1):131-9. doi: <http://dx.doi.org/10.1006/taap.1996.0106>. PubMed PMID: WOS:A1996UK98300016.
187. DeVito MJ, Beebe LE, Menache M, Birnbaum LS. Relationship between CYP1A enzyme activities and protein levels in rats treated with 2,3,7,8-tetrachlorodibenzo-p-dioxin. *Journal of toxicology and environmental health*. 1996;47(4):379-94. Epub 1996/03/01. doi: <http://dx.doi.org/10.1080/009841096161717>. PubMed PMID: 8600290.
188. Diliberto JJ, Jackson JA, Birnbaum LS. Comparison of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) disposition following pulmonary, oral, dermal, and parenteral exposures to rats. *Toxicology and applied pharmacology*. 1996;138(1):158-68. Epub 1996/05/01. doi: <http://dx.doi.org/10.1006/taap.1996.0109>. PubMed PMID: 8658505.
189. Santostefano MJ, Johnson KL, Whisnant NA, Richardson VM, DeVito MJ, Diliberto JJ, Birnbaum LS. Subcellular localization of TCDD differs between the liver, lungs, and kidneys after acute and subchronic exposure: species/dose comparisons and possible mechanism. *Fundamental and applied toxicology: official journal of the Society of Toxicology*. 1996;34(2):265-75. Epub 1996/12/01. doi: <http://dx.doi.org/10.1006/faat.1996.0196>. PubMed PMID: 8954756.
190. Van Birgelen AP, DeVito MJ, Akins JM, Ross DG, Diliberto JJ, Birnbaum LS. Relative potencies of polychlorinated dibenzo-p-dioxins, dibenzofurans, and biphenyls derived from hepatic porphyrin accumulation in mice. *Toxicology and applied pharmacology*. 1996;138(1):98-109. Epub 1996/05/01. doi: <http://dx.doi.org/10.1006/taap.1996.0103>. PubMed PMID: 8658519.
191. Van Birgelen AP, Ross DG, DeVito MJ, Birnbaum LS. Interactive effects between 2,3,7,8-tetrachlorodibenzo-p-dioxin and 2,2',4,4',5,5'-hexachlorobiphenyl in female B6C3F1 mice: tissue distribution and tissue-specific enzyme induction. *Fundamental and applied toxicology: official journal of the Society of Toxicology*. 1996;34(1):118-31. Epub 1996/11/01. doi: <http://dx.doi.org/10.1006/faat.1996.0182>. PubMed PMID: 8937899.
192. Andersen ME, Birnbaum LS, Barton HA, Eklund CR. Regional hepatic CYP1A1 and CYP1A2 induction with

- 2,3,7,8-tetrachlorodibenzo-p-dioxin evaluated with a multicompartment geometric model of hepatic zonation. *Toxicology and applied pharmacology*. 1997;144(1):145-55. Epub 1997/05/01. doi: <http://dx.doi.org/10.1006/taap.1996.8067>. PubMed PMID: 9169078.
193. Andersen ME, Eklund CR, Mills JJ, Barton HA, Birnbaum LS. A multicompartment geometric model of the liver in relation to regional induction of cytochrome P450s. *Toxicology and applied pharmacology*. 1997;144(1):135-44. Epub 1997/05/01. doi: <http://dx.doi.org/10.1006/taap.1996.8066>. PubMed PMID: 9169077.
194. DeVito MJ, Diliberto JJ, Ross DG, Menache MG, Birnbaum LS. Dose-response relationships for polyhalogenated dioxins and dibenzofurans following subchronic treatment in mice. I. CYP1A1 and CYP1A2 enzyme activity in liver, lung, and skin. *Toxicology and applied pharmacology*. 1997;147(2):267-80. Epub 1998/01/24. doi: <http://dx.doi.org/10.1006/taap.1997.8261>. PubMed PMID: 9439722.
195. Diliberto JJ, Burgin D, Birnbaum LS. Role of CYP1A2 in hepatic sequestration of dioxin: studies using CYP1A2 knock-out mice. *Biochemical and biophysical research communications*. 1997;236(2):431-3. Epub 1997/07/18. doi: <http://dx.doi.org/10.1006/bbrc.1997.6973>. PubMed PMID: 9240455.
196. Fawell J, Robinson D, Bull R, Birnbaum LS, Boorman G, Butterworth B, Daniel P, Galal-Gorchev H, Hauchman F, Julkunen P, Klaassen C, Krasner S, Orme-Zavaleta J, Reif J, Tardiff R. Disinfection by-products in drinking water: critical issues in health effects research. *Environmental health perspectives*. 1997;105(1):108-9. Epub 1997/01/01. doi: <http://dx.doi.org/10.1289/ehp.97105108>. PubMed PMID: 9074890; PMCID: PMC1469844.
197. Johnson KL, Cummings AM, Birnbaum LS. Promotion of endometriosis in mice by polychlorinated dibenzo-p-dioxins, dibenzofurans, and biphenyls. *Environmental health perspectives*. 1997;105(7):750-5. Epub 1997/07/01. doi: <http://dx.doi.org/10.1289/ehp.97105750>. PubMed PMID: 9294722; PMCID: PMC1470109.
198. Santostefano MJ, Ross DG, Savas U, Jefcoate CR, Birnbaum LS. Differential time-course and dose-response relationships of TCDD-induced CYP1B1, CYP1A1, and CYP1A2 proteins in rats. *Biochemical and biophysical research communications*. 1997;233(1):20-4. Epub 1997/04/07. doi: <http://dx.doi.org/10.1006/bbrc.1997.6389>. PubMed PMID: 9144388.
199. Smialowicz RJ, DeVito MJ, Riddle MM, Williams WC, Birnbaum LS. Opposite effects of 2,2',4,4',5,5'-hexachlorobiphenyl and 2,3,7,8-tetrachlorodibenzo-p-dioxin on the antibody response to sheep erythrocytes in mice. *Fundamental and applied toxicology: official journal of the Society of Toxicology*. 1997;37(2):141-9. Epub 1997/06/01. doi: <http://dx.doi.org/10.1006/faat.1997.2323>. PubMed PMID: 9242587.
200. Viluksela M, Stahl BU, Birnbaum LS, Rozman KK. Subchronic/chronic toxicity of 1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin (HpCDD) in rats. Part II. Biochemical effects. *Toxicology and applied pharmacology*. 1997;146(2):217-26. Epub 1997/11/05. doi: <http://dx.doi.org/10.1006/taap.1997.8240>. PubMed PMID: 9344889.
201. Viluksela M, Stahl BU, Birnbaum LS, Schramm KW, Kettrup A, Rozman KK. Subchronic/chronic toxicity of 1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin (HpCDD) in rats. Part I. Design, general observations, hematology, and liver concentrations. *Toxicology and applied pharmacology*. 1997;146(2):207-16. Epub 1997/11/05. doi: <http://dx.doi.org/10.1006/taap.1997.8239>. PubMed PMID: 9344888.
202. Wang X, Santostefano MJ, Evans MV, Richardson VM, Diliberto JJ, Birnbaum LS. Determination of parameters responsible for pharmacokinetic behavior of TCDD in female Sprague-Dawley rats. *Toxicology and applied pharmacology*. 1997;147(1):151-68. Epub 1997/11/14. doi: <http://dx.doi.org/10.1006/taap.1997.8242>. PubMed PMID: 9356318.
203. DeVito MJ, Ross DG, Dupuy AE, Jr., Ferrario J, McDaniel D, Birnbaum LS. Dose-response relationships for

- disposition and hepatic sequestration of polyhalogenated dibenzo-p-dioxins, dibenzofurans, and biphenyls following subchronic treatment in mice. *Toxicological sciences: an official journal of the Society of Toxicology*. 1998;46(2):223-34. Epub 1999/02/27. doi: <http://dx.doi.org/10.1006/toxs.1998.2530>. PubMed PMID: 10048125.
204. Hamm JT, Ross DG, Richardson VM, Diliberto JJ, Birnbaum LS. Methoxyresorufin: an inappropriate substrate for CYP1A2 in the mouse. *Biochemical pharmacology*. 1998;56(12):1657-60. Epub 1999/02/11. doi: [https://doi.org/10.1016/S0006-2952\(98\)00241-X](https://doi.org/10.1016/S0006-2952(98)00241-X). PubMed PMID: 9973187.
205. Hassoun EA, Wilt SC, Devito MJ, Van Birgelen A, Alsharif NZ, Birnbaum LS, Stohs SJ. Induction of oxidative stress in brain tissues of mice after subchronic exposure to 2,3,7,8-tetrachlorodibenzo-p-dioxin. *Toxicological sciences: an official journal of the Society of Toxicology*. 1998;42(1):23-7. Epub 1998/05/30. doi: <http://dx.doi.org/10.1006/toxs.1997.2411>. PubMed PMID: 9538044.
206. Hurst CH, Abbott BD, DeVito MJ, Birnbaum LS. 2,3,7,8-Tetrachlorodibenzo-p-dioxin in pregnant Long Evans rats: disposition to maternal and embryo/fetal tissues. *Toxicological sciences: an official journal of the Society of Toxicology*. 1998;45(2):129-36. Epub 1998/12/16. doi: <http://dx.doi.org/10.1006/toxs.1998.2520>. PubMed PMID: 9848119.
207. Jackson JA, Birnbaum LS, Diliberto JJ. Effects of age, sex, and pharmacologic agents on the biliary elimination of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) in F344 rats. *Drug metabolism and disposition: the biological fate of chemicals*. 1998;26(7):714-9. Epub 1998/07/14. doi: <http://www.ncbi.nlm.nih.gov/pubmed/9660856>. PubMed PMID: 9660856.
208. Pollenz RS, Santostefano MJ, Klett E, Richardson VM, Necela B, Birnbaum LS. Female Sprague-Dawley rats exposed to a single oral dose of 2,3,7,8-tetrachlorodibenzo-p-dioxin exhibit sustained depletion of aryl hydrocarbon receptor protein in liver, spleen, thymus, and lung. *Toxicological sciences: an official journal of the Society of Toxicology*. 1998;42(2):117-28. Epub 1998/05/14. doi: <http://dx.doi.org/10.1006/toxs.1998.2439>. PubMed PMID: 9579024.
209. Richardson VM, Santostefano MJ, Birnbaum LS. Daily cycle of bHLH-PAS proteins, Ah receptor and Arnt, in multiple tissues of female Sprague-Dawley rats. *Biochemical and biophysical research communications*. 1998;252(1):225-31. Epub 1998/11/14. doi: <http://dx.doi.org/10.1006/bbrc.1998.9634>. PubMed PMID: 9813174.
210. Santostefano MJ, Wang X, Richardson VM, Ross DG, DeVito MJ, Birnbaum LS. A pharmacodynamic analysis of TCDD-induced cytochrome P450 gene expression in multiple tissues: dose- and time-dependent effects. *Toxicology and applied pharmacology*. 1998;151(2):294-310. Epub 1998/08/26. doi: <http://dx.doi.org/10.1006/taap.1998.8466>. PubMed PMID: 9707506.
211. Van Den Berg M, Birnbaum LS, Bosveld ATC, Brunström B, Cook P, Feeley M, Giesy JP, Hanberg A, Hasegawa R, Kennedy SW, Kubiak T, Larsen JC, Van Leeuwen FXR, Liem AKD, Nolt C, Peterson RE, Poellinger L, Safe S, Schrenk D, Tillitt D, Tysklind M, Younes M, Wærn F, Zacharewski T. Toxic equivalency factors (TEFs) for PCBs, PCDDs, PCDFs for humans and wildlife. *Environmental health perspectives*. 1998;106(12):775-92. doi: <http://dx.doi.org/10.1289/ehp.98106775>.
212. Viluksela M, Stahl BU, Birnbaum LS, Rozman KK. Subchronic/chronic toxicity of a mixture of four chlorinated dibenzo-p-dioxins in rats. II. Biochemical effects. *Toxicology and applied pharmacology*. 1998;151(1):70-8. Epub 1998/08/26. doi: <http://dx.doi.org/10.1006/taap.1998.8412>. PubMed PMID: 9705888.
213. Viluksela M, Stahl BU, Birnbaum LS, Schramm KW, Kettrup A, Rozman KK. Subchronic/chronic toxicity of a mixture of four chlorinated dibenzo-p-dioxins in rats. I. Design, general observations, hematology, and liver concentrations. *Toxicology and applied pharmacology*. 1998;151(1):57-69. Epub 1998/08/26. doi:

<http://dx.doi.org/10.1006/taap.1998.8384>. PubMed PMID: 9705887.

214. Birnbaum LS, Culpepper BT. Research integrity: a government perspective. *Quality assurance* (San Diego, Calif). 1999;7(4):217-24. Epub 2001/02/24. doi: <http://dx.doi.org/10.1080/105294199750061335>. PubMed PMID: 11191122.
215. Birnbaum LS, Slezak BP. Dietary exposure to PCBs and dioxins in children. *Environmental health perspectives*. 1999;107(1):1. Epub 1999/03/06. doi: <http://dx.doi.org/10.2307/3434282>. PubMed PMID: 10068291; PMCID: PMC1566291.
216. Brouwer A, Longnecker MP, Birnbaum LS, Cogliano J, Kostyniak P, Moore J, Schantz S, Winneke G. Characterization of potential endocrine-related health effects at low-dose levels of exposure to PCBs. *Environmental health perspectives*. 1999;107 Suppl 4:639-49. Epub 1999/07/28. doi: <http://dx.doi.org/10.2307/3434557>. PubMed PMID: 10421775; PMCID: PMC1567499.
217. Cummings AM, Hedge JM, Birnbaum LS. Effect of prenatal exposure to TCDD on the promotion of endometriotic lesion growth by TCDD in adult female rats and mice. *Toxicological sciences: an official journal of the Society of Toxicology*. 1999;52(1):45-9. Epub 1999/11/24. doi: <http://dx.doi.org/10.1093/toxsci/52.1.45>. PubMed PMID: 10568697.
218. Diliberto JJ, Burgin DE, Birnbaum LS. Effects of CYP1A2 on disposition of 2,3,7,8-tetrachlorodibenzo-p-dioxin, 2,3,4,7,8-pentachlorodibenzofuran, and 2,2',4,4',5,5'-hexachlorobiphenyl in CYP1A2 knockout and parental (C57BL/6N and 129/Sv) strains of mice. *Toxicology and applied pharmacology*. 1999;159(1):52-64. Epub 1999/08/17. doi: <http://dx.doi.org/10.1006/taap.1999.8720>. PubMed PMID: 10448125.
219. Santostefano MJ, Richardson VM, Walker NJ, Blanton J, Lindros KO, Lucier GW, Alcalsey SK, Birnbaum LS. Dose-dependent localization of TCDD in isolated centrilobular and periportal hepatocytes. *Toxicological sciences: an official journal of the Society of Toxicology*. 1999;52(1):9-19. Epub 1999/11/24. doi: <http://dx.doi.org/10.1093/toxsci/52.1.9>. PubMed PMID: 10568693.
220. Slezak BP, Diliberto JJ, Birnbaum LS. 2,3,7,8-Tetrachlorodibenzo-p-dioxin-mediated oxidative stress in CYP1A2 knockout (CYP1A2^{-/-}) mice. *Biochemical and biophysical research communications*. 1999;264(2):376-9. Epub 1999/10/26. doi: <http://dx.doi.org/10.1006/bbrc.1999.1518>. PubMed PMID: 10529372.
221. Birnbaum LS, Tuomisto J. Non-carcinogenic effects of TCDD in animals. *Food additives and contaminants*. 2000;17(4):275-88. Epub 2000/07/27. doi: <http://dx.doi.org/10.1080/026520300283351>. PubMed PMID: 10912242.
222. DeVito MJ, Menache MG, Diliberto JJ, Ross DG, Birnbaum LS. Dose-response relationships for induction of CYP1A1 and CYP1A2 enzyme activity in liver, lung, and skin in female mice following subchronic exposure to polychlorinated biphenyls. *Toxicology and applied pharmacology*. 2000;167(3):157-72. Epub 2000/09/14. doi: <http://dx.doi.org/10.1006/taap.2000.9010>. PubMed PMID: 10986007.
223. Hamm JT, Sparrow BR, Wolf D, Birnbaum LS. In utero and lactational exposure to 2,3,7,8-tetrachlorodibenzo-p-dioxin alters postnatal development of seminal vesicle epithelium. *Toxicological sciences: an official journal of the Society of Toxicology*. 2000;54(2):424-30. Epub 2000/04/25. doi: <http://dx.doi.org/10.1093/toxsci/54.2.424>. PubMed PMID: 10774825.
224. Hurst CH, DeVito MJ, Birnbaum LS. Tissue disposition of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) in maternal and developing long-evans rats following subchronic exposure. *Toxicological sciences: an official*

- journal of the Society of Toxicology. 2000;57(2):275-83. Epub 2000/09/28. doi: <http://dx.doi.org/10.1093/toxsci/57.2.275>. PubMed PMID: 11006357.
225. Hurst CH, DeVito MJ, Setzer RW, Birnbaum LS. Acute administration of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) in pregnant Long Evans rats: association of measured tissue concentrations with developmental effects. *Toxicological sciences: an official journal of the Society of Toxicology*. 2000;53(2):411-20. Epub 2000/03/04. doi: <http://dx.doi.org/10.1093/toxsci/53.2.411>. PubMed PMID: 10696789.
226. Ross PS, Vos JG, Birnbaum LS, Osterhaus AD. PCBs are a health risk for humans and wildlife. *Science (New York, NY)*. 2000;289(5486):1878-9. Epub 2000/09/30. doi: <http://dx.doi.org/10.1126/science.289.5486.1878d>. PubMed PMID: 11012359.
227. Slezak BP, Hatch GE, DeVito MJ, Diliberto JJ, Slade R, Crissman K, Hassoun E, Birnbaum LS. Oxidative stress in female B6C3F1 mice following acute and subchronic exposure to 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD). *Toxicological sciences: an official journal of the Society of Toxicology*. 2000;54(2):390-8. Epub 2000/04/25. doi: <http://dx.doi.org/10.1093/toxsci/54.2.390>. PubMed PMID: 10774821.
228. Wang X, Santostefano MJ, DeVito MJ, Birnbaum LS. Extrapolation of a PBPK model for dioxins across dosage regimen, gender, strain, and species. *Toxicological sciences: an official journal of the Society of Toxicology*. 2000;56(1):49-60. Epub 2000/06/28. doi: <http://dx.doi.org/10.1093/toxsci/56.1.49>. PubMed PMID: 10869453.
229. Burgin DE, Diliberto JJ, Derr-Yellin EC, Kannan N, Kodavanti PR, Birnbaum LS. Differential effects of two lots of aroclor 1254 on enzyme induction, thyroid hormones, and oxidative stress. *Environmental health perspectives*. 2001;109(11):1163-8. Epub 2001/11/20. doi: <http://dx.doi.org/10.2307/3454864>. PubMed PMID: 11713002; PMCID: PMC1240478.
230. Chen CY, Hamm JT, Hass JR, Birnbaum LS. Disposition of polychlorinated dibenzo-p-dioxins, dibenzofurans, and non-ortho polychlorinated biphenyls in pregnant long evans rats and the transfer to offspring. *Toxicology and applied pharmacology*. 2001;173(2):65-88. Epub 2001/06/01. doi: <http://dx.doi.org/10.1006/taap.2001.9143>. PubMed PMID: 11384209.
231. Diliberto JJ, DeVito MJ, Ross DG, Birnbaum LS. Subchronic Exposure of [3H]-2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) in female B6C3F1 mice: relationship of steady-state levels to disposition and metabolism. *Toxicological sciences: an official journal of the Society of Toxicology*. 2001;61(2):241-55. Epub 2001/05/16. doi: <http://dx.doi.org/10.1093/toxsci/61.2.241>. PubMed PMID: 11353133.
232. Kodavanti PR, Kannan N, Yamashita N, Derr-Yellin EC, Ward TR, Burgin DE, Tilson HA, Birnbaum LS. Differential effects of two lots of aroclor 1254: congener-specific analysis and neurochemical end points. *Environmental health perspectives*. 2001;109(11):1153-61. Epub 2001/11/20. doi: <http://dx.doi.org/10.1289/ehp.011091153>. PubMed PMID: 11713001; PMCID: PMC1240477.
233. Birnbaum LS, Cummings AM. Dioxins and endometriosis: a plausible hypothesis. *Environmental health perspectives*. 2002;110(1):15-21. Epub 2002/01/10. doi: <http://www.ncbi.nlm.nih.gov/pubmed/11781160>. PubMed PMID: 11781160; PMCID: PMC1240688.
234. Chao C, Youssef J, Rezaiekhalegh M, Birnbaum LS, Badr M. Senescence-associated decline in hepatic peroxisomal enzyme activities corresponds with diminished levels of retinoid X receptor alpha, but not peroxisome proliferator-activated receptor alpha. *Mechanisms of ageing and development*. 2002;123(11):1469-76. Epub 2002/11/12. doi: [http://dx.doi.org/10.1016/S0047-6374\(02\)00086-6](http://dx.doi.org/10.1016/S0047-6374(02)00086-6). PubMed PMID: 12425954.
235. Chen CY, Hamm JT, Hass JR, Albro PW, Birnbaum LS. A mixture of polychlorinated dibenzo-p-dioxins

- (PCDDs), dibenzofurans (PCDFs), and non-ortho polychlorinated biphenyls (PCBs) changed the lipid content of pregnant Long Evans rats. *Chemosphere*. 2002;46(9-10):1501-4. Epub 2002/05/11. doi: [http://dx.doi.org/10.1016/S0045-6535\(01\)00271-5](http://dx.doi.org/10.1016/S0045-6535(01)00271-5). PubMed PMID: 12002482.
236. Fenton SE, Hamm JT, Birnbaum LS, Youngblood GL. Persistent abnormalities in the rat mammary gland following gestational and lactational exposure to 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD). *Toxicological sciences: an official journal of the Society of Toxicology*. 2002;67(1):63-74. Epub 2002/04/19. doi: <http://dx.doi.org/10.1093/toxsci/67.1.63>. PubMed PMID: 11961217.
237. Hurst CH, Abbott B, Schmid JE, Birnbaum LS. 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) disrupts early morphogenetic events that form the lower reproductive tract in female rat fetuses. *Toxicological sciences: an official journal of the Society of Toxicology*. 2002;65(1):87-98. Epub 2001/12/26. doi: <http://dx.doi.org/10.1093/toxsci/65.1.87>. PubMed PMID: 11752688.
238. Slezak BP, Hamm JT, Reyna J, Hurst CH, Birnbaum LS. TCDD-mediated oxidative stress in male rat pups following perinatal exposure. *Journal of biochemical and molecular toxicology*. 2002;16(2):49-52. Epub 2002/04/30. doi: <http://dx.doi.org/10.1002/jbt.10024>. PubMed PMID: 11979421.
239. Birnbaum LS, Fenton SE. Cancer and developmental exposure to endocrine disruptors. *Environmental health perspectives*. 2003;111(4):389-94. Epub 2003/04/05. doi: <http://dx.doi.org/10.1289/ehp.5686>. PubMed PMID: 12676588; PMCID: PMC1241417.
240. Birnbaum LS, Staskal DF, Diliberto JJ. Health effects of polybrominated dibenzo-p-dioxins (PBDDs) and dibenzofurans (PBDFs). *Environment international*. 2003;29(6):855-60. Epub 2003/07/10. doi: [http://dx.doi.org/10.1016/s0160-4120\(03\)00106-5](http://dx.doi.org/10.1016/s0160-4120(03)00106-5). PubMed PMID: 12850101.
241. Hamm JT, Chen CY, Birnbaum LS. A mixture of dioxins, furans, and non-ortho PCBs based upon consensus toxic equivalency factors produces dioxin-like reproductive effects. *Toxicological sciences: an official journal of the Society of Toxicology*. 2003;74(1):182-91. Epub 2003/05/06. doi: <http://dx.doi.org/10.1093/toxsci/kfg107>. PubMed PMID: 12730615.
242. Rice C, Birnbaum LS, Cogliano J, Mahaffey K, Needham L, Rogan WJ, vom Saal FS. Exposure assessment for endocrine disruptors: some considerations in the design of studies. *Environmental health perspectives*. 2003;111(13):1683-90. Epub 2003/10/07. doi: <http://dx.doi.org/10.1289/ehp.5798>. PubMed PMID: 14527851; PMCID: PMC1241694.
243. Ross PS, Birnbaum LS. Integrated human and ecological risk assessment: A case study of persistent organic pollutants (POPs) in humans and wildlife. *Hum Ecol Risk Assess*. 2003;9(1):303-24. doi: <http://dx.doi.org/10.1080/727073292>. PubMed PMID: WOS:000181305900020.
244. Youssef JA, Birnbaum LS, Swift LL, Morrow JD, Badr MZ. Age-independent, gray matter-localized, brain-enhanced oxidative stress in male fischer 344 rats: brain levels of F(2)-isoprostanes and F(4)-neuroprostanes. *Free radical biology & medicine*. 2003;34(12):1631-5. Epub 2003/06/06. doi: [http://dx.doi.org/10.1016/S0891-5849\(03\)00215-6](http://dx.doi.org/10.1016/S0891-5849(03)00215-6). PubMed PMID: 12788483.
245. Badr MZ, Birnbaum LS. Enhanced potential for oxidative stress in livers of senescent rats by the peroxisome proliferator-activated receptor alpha agonist perfluorooctanoic acid. *Mechanisms of ageing and development*. 2004;125(1):69-75. Epub 2004/01/07. doi: <http://dx.doi.org/10.1016/j.mad.2003.10.006>. PubMed PMID: 14706239.
246. Birnbaum LS, Staskal DF. Brominated flame retardants: cause for concern? *Environmental health perspectives*. 2004;112(1):9-17. Epub 2003/12/31. doi: <http://dx.doi.org/10.1289/ehp.6559>. PubMed PMID: 14698924; PMCID: PMC1241790.

247. Emond C, Birnbaum LS, DeVito MJ. Physiologically based pharmacokinetic model for developmental exposures to TCDD in the rat. *Toxicological sciences: an official journal of the Society of Toxicology*. 2004;80(1):115-33. Epub 2004/04/02. doi: <http://dx.doi.org/10.1093/toxsci/kfh117>. PubMed PMID: 15056810.
248. Smialowicz RJ, Burgin DE, Williams WC, Diliberto JJ, Setzer RW, Birnbaum LS. CYP1A2 is not required for 2,3,7,8-tetrachlorodibenzo-p-dioxin-induced immunosuppression. *Toxicology*. 2004;197(1):15-22. Epub 2004/03/09. doi: <http://dx.doi.org/10.1016/j.tox.2003.11.016>. PubMed PMID: 15003330.
249. Emond C, Michalek JE, Birnbaum LS, DeVito MJ. Comparison of the use of a physiologically based pharmacokinetic model and a classical pharmacokinetic model for dioxin exposure assessments. *Environmental health perspectives*. 2005;113(12):1666-8. Epub 2005/12/07. doi: <http://dx.doi.org/10.1289/ehp.8016>. PubMed PMID: 16330344; PMCID: PMC1314902.
250. Kodavanti PR, Ward TR, Ludewig G, Robertson LW, Birnbaum LS. Polybrominated diphenyl ether (PBDE) effects in rat neuronal cultures: 14C-PBDE accumulation, biological effects, and structure-activity relationships. *Toxicological sciences: an official journal of the Society of Toxicology*. 2005;88(1):181-92. Epub 2005/08/19. doi: <http://dx.doi.org/10.1093/toxsci/kfi289>. PubMed PMID: 16107548.
251. Schwetz BA, Lehman-McKeeman L, Birnbaum LS. Toxicological research involving humans: ethical and regulatory considerations. *Toxicological sciences: an official journal of the Society of Toxicology*. 2005;85(1):419-21. Epub 2005/04/14. doi: <http://dx.doi.org/10.1093/toxsci/kfi140>. PubMed PMID: 15827268.
252. Staskal DF, Diliberto JJ, Devito MJ, Birnbaum LS. Inhibition of human and rat CYP1A2 by TCDD and dioxin-like chemicals. *Toxicological sciences: an official journal of the Society of Toxicology*. 2005;84(2):225-31. Epub 2005/01/22. doi: <http://dx.doi.org/10.1093/toxsci/kfi090>. PubMed PMID: 15659567.
253. Staskal DF, Diliberto JJ, DeVito MJ, Birnbaum LS. Toxicokinetics of BDE 47 in female mice: effect of dose, route of exposure, and time. *Toxicological sciences: an official journal of the Society of Toxicology*. 2005;83(2):215-23. Epub 2004/10/29. doi: <http://dx.doi.org/10.1093/toxsci/kfi018>. PubMed PMID: 15509665.
254. Van Larebeke NA, Birnbaum LS, Boogaerts MA, Bracke M, Davis DL, Demarini DM, Hooper K, Huff J, Kleinjans JC, Legator MS, Schoeters G, Vahakangas K. Unrecognized or potential risk factors for childhood cancer. *International journal of occupational and environmental health*. 2005;11(2):199-201. Epub 2005/05/07. doi: <http://dx.doi.org/10.1179/oeh.2005.11.2.199>. PubMed PMID: 15875896.
255. Windal I, Denison MS, Birnbaum LS, Van Wouwe N, Baeyens W, Goeyens L. Chemically activated luciferase gene expression (CALUX) cell bioassay analysis for the estimation of dioxin-like activity: critical parameters of the CALUX procedure that impact assay results. *Environmental science & technology*. 2005;39(19):7357-64. Epub 2005/10/26. doi: <http://dx.doi.org/10.1021/es0504993>. PubMed PMID: 16245802.
256. Birnbaum LS, Cohen Hubal EA. Polybrominated diphenyl ethers: a case study for using biomonitoring data to address risk assessment questions. *Environmental health perspectives*. 2006;114(11):1770-5. Epub 2006/11/17. doi: <http://dx.doi.org/10.1289/ehp.9061>. PubMed PMID: 17107866; PMCID: PMC1665443.
257. Emond C, Birnbaum LS, DeVito MJ. Use of a physiologically based pharmacokinetic model for rats to study the influence of body fat mass and induction of CYP1A2 on the pharmacokinetics of TCDD. *Environmental health perspectives*. 2006;114(9):1394-400. Epub 2006/09/13. doi: <http://dx.doi.org/10.1289/ehp.8805>. PubMed PMID: 16966094; PMCID: PMC1570044.
258. Haws LC, Su SH, Harris M, Devito MJ, Walker NJ, Farland WH, Finley B, Birnbaum LS. Development of a refined database of mammalian relative potency estimates for dioxin-like compounds. *Toxicological sciences: an official journal of the Society of Toxicology*. 2006;89(1):4-30. Epub 2005/08/27. doi:

- <http://dx.doi.org/10.1093/toxsci/kfi294>. PubMed PMID: 16120753.
259. Schecter A, Birnbaum LS, Ryan JJ, Constable JD. Dioxins: an overview. *Environmental research*. 2006;101(3):419-28. Epub 2006/02/01. doi: <http://dx.doi.org/10.1016/j.envres.2005.12.003>. PubMed PMID: 16445906.
260. Staskal DF, Diliberto JJ, Birnbaum LS. Disposition of BDE 47 in developing mice. *Toxicological sciences: an official journal of the Society of Toxicology*. 2006;90(2):309-16. Epub 2006/01/13. doi: <http://dx.doi.org/10.1093/toxsci/kfj098>. PubMed PMID: 16407092.
261. Staskal DF, Diliberto JJ, Birnbaum LS. Impact of repeated exposure on the toxicokinetics of BDE 47 in mice. *Toxicological sciences: an official journal of the Society of Toxicology*. 2006;89(2):380-5. Epub 2005/11/11. doi: <http://dx.doi.org/10.1093/toxsci/kfj038>. PubMed PMID: 16280385.
262. Staskal DF, Hakk H, Bauer D, Diliberto JJ, Birnbaum LS. Toxicokinetics of polybrominated diphenyl ether congeners 47, 99, 100, and 153 in mice. *Toxicological sciences: an official journal of the Society of Toxicology*. 2006;94(1):28-37. Epub 2006/08/29. doi: <http://dx.doi.org/10.1093/toxsci/kfl091>. PubMed PMID: 16936226.
263. Van den Berg M, Birnbaum LS, Denison M, De Vito M, Farland W, Feeley M, Fiedler H, Hakansson H, Hanberg A, Haws L, Rose M, Safe S, Schrenk D, Tohyama C, Tritscher A, Tuomisto J, Tysklind M, Walker N, Peterson RE. The 2005 World Health Organization reevaluation of human and Mammalian toxic equivalency factors for dioxins and dioxin-like compounds. *Toxicological sciences: an official journal of the Society of Toxicology*. 2006;93(2):223-41. Epub 2006/07/11. doi: <http://dx.doi.org/10.1093/toxsci/kfl055>. PubMed PMID: 16829543; PMCID: PMC2290740.
264. Dye JA, Venier M, Zhu L, Ward CR, Hites RA, Birnbaum LS. Elevated PBDE levels in pet cats: sentinels for humans? *Environmental science & technology*. 2007;41(18):6350-6. Epub 2007/10/24. doi: <http://dx.doi.org/10.1021/es0708159>. PubMed PMID: 17948778.
265. Richter CA, Birnbaum LS, Farabollini F, Newbold RR, Rubin BS, Talsness CE, Vandenberg JG, Walser-Kuntz DR, vom Saal FS. In vivo effects of bisphenol A in laboratory rodent studies. *Reproductive toxicology (Elmsford, NY)*. 2007;24(2):199-224. Epub 2007/08/09. doi: <http://dx.doi.org/10.1016/j.reprotox.2007.06.004>. PubMed PMID: 17683900; PMCID: PMC2151845.
266. Vom Saal FS, Akingbemi BT, Belcher SM, Birnbaum LS, Crain DA, Eriksen M, Farabollini F, Guillette LJ, Jr., Hauser R, Heindel JJ, Ho SM, Hunt PA, Iguchi T, Jobling S, Kanno J, Keri RA, Knudsen KE, Laufer H, LeBlanc GA, Marcus M, McLachlan JA, Myers JP, Nadal A, Newbold RR, Olea N, Prins GS, Richter CA, Rubin BS, Sonnenschein C, Soto AM, Talsness CE, Vandenberg JG, Vandenberg LN, Walser-Kuntz DR, Watson CS, Welshons WV, Wetherill Y, Zoeller RT. Chapel Hill bisphenol A expert panel consensus statement: integration of mechanisms, effects in animals and potential to impact human health at current levels of exposure. *Reproductive toxicology (Elmsford, NY)*. 2007;24(2):131-8. Epub 2007/09/05. doi: <http://dx.doi.org/10.1016/j.reprotox.2007.07.005>. PubMed PMID: 17768031; PMCID: PMC2967230.
267. Birnbaum LS. The effect of environmental chemicals on human health. *Fertility and sterility*. 2008;89(2 Suppl):e31. Epub 2008/03/20. doi: <http://dx.doi.org/10.1016/j.fertnstert.2007.12.022>. PubMed PMID: 18308056.
268. Humblet O, Birnbaum LS, Rimm E, Mittleman MA, Hauser R. Dioxins and cardiovascular disease mortality. *Environmental health perspectives*. 2008;116(11):1443-8. Epub 2008/12/06. doi: <http://dx.doi.org/10.1289/ehp.11579>. PubMed PMID: 19057694; PMCID: PMC2592261.
269. Huwe JK, Hakk H, Birnbaum LS. Tissue distribution of polybrominated diphenyl ethers in male rats and

- implications for biomonitoring. *Environmental science & technology*. 2008;42(18):7018-24. Epub 2008/10/16. doi: <http://dx.doi.org/10.1021/es801344a>. PubMed PMID: 18853825.
270. Huwe JK, Hakk H, Smith DJ, Diliberto JJ, Richardson V, Stapleton HM, Birnbaum LS. Comparative absorption and bioaccumulation of polybrominated diphenyl ethers following ingestion via dust and oil in male rats. *Environmental science & technology*. 2008;42(7):2694-700. Epub 2008/05/29. doi: <http://dx.doi.org/10.1021/es702644k>. PubMed PMID: 18505018.
271. Jeong YC, Walker NJ, Burgin DE, Kissling G, Gupta M, Kupper L, Birnbaum LS, Swenberg JA. Accumulation of M1dG DNA adducts after chronic exposure to PCBs, but not from acute exposure to polychlorinated aromatic hydrocarbons. *Free radical biology & medicine*. 2008;45(5):585-91. Epub 2008/06/07. doi: <http://dx.doi.org/10.1016/j.freeradbiomed.2008.04.043>. PubMed PMID: 18534201; PMCID: PMC2570591.
272. Martin R, O'Shea J, Birnbaum LS, Luebke R. Community corner. Striking the balance in multiple sclerosis. *Nature medicine*. 2008;14(5):491. Epub 2008/05/09. doi: <http://dx.doi.org/10.1038/nm0508-491>. PubMed PMID: 18463656.
273. Richardson VM, Staskal DF, Ross DG, Diliberto JJ, DeVito MJ, Birnbaum LS. Possible mechanisms of thyroid hormone disruption in mice by BDE 47, a major polybrominated diphenyl ether congener. *Toxicology and applied pharmacology*. 2008;226(3):244-50. Epub 2007/10/30. doi: <http://dx.doi.org/10.1016/j.taap.2007.09.015>. PubMed PMID: 17964624.
274. Smialowicz RJ, DeVito MJ, Williams WC, Birnbaum LS. Relative potency based on hepatic enzyme induction predicts immunosuppressive effects of a mixture of PCDDS/PCDFS and PCBS. *Toxicology and applied pharmacology*. 2008;227(3):477-84. Epub 2008/01/15. doi: <http://dx.doi.org/10.1016/j.taap.2007.11.018>. PubMed PMID: 18190939.
275. Staskal DF, Scott LL, Haws LC, Luksemburg WJ, Birnbaum LS, Urban JD, Williams ES, Paustenbach DJ, Harris MA. Assessment of polybrominated diphenyl ether exposures and health risks associated with consumption of southern Mississippi catfish. *Environmental science & technology*. 2008;42(17):6755-61. Epub 2008/09/20. doi: <http://dx.doi.org/10.1021/es800613k>. PubMed PMID: 18800560.
276. Weintraub M, Birnbaum LS. Catfish consumption as a contributor to elevated PCB levels in a non-Hispanic black subpopulation. *Environmental research*. 2008;107(3):412-7. Epub 2008/04/15. doi: <http://dx.doi.org/10.1016/j.envres.2008.03.001>. PubMed PMID: 18407261.
277. Woodruff TJ, Zeise L, Axelrad DA, Guyton KZ, Janssen S, Miller M, Miller GG, Schwartz JM, Alexeeff G, Anderson H, Birnbaum LS, Bois F, Cogliano VJ, Crofton K, Euling SY, Foster PM, Germolec DR, Gray E, Hattis DB, Kyle AD, Luebke RW, Luster MI, Portier C, Rice DC, Solomon G, Vandenberg J, Zoeller RT. Meeting report: moving upstream-evaluating adverse upstream end points for improved risk assessment and decision-making. *Environmental health perspectives*. 2008;116(11):1568-75. Epub 2008/12/06. doi: <http://dx.doi.org/10.1289/ehp.11516>. PubMed PMID: 19057713; PMCID: PMC2592280.
278. Birnbaum LS. Applying research to public health questions: timing and the environmentally relevant dose. *Environmental health perspectives*. 2009;117(11):A478. Epub 2010/01/06. doi: <http://dx.doi.org/10.1289/ehp.0901417>. PubMed PMID: 20049095; PMCID: PMC2801180.
279. Birnbaum LS. Leading the world's premier environmental health organization: a message from Linda Birnbaum. *Environmental health perspectives*. 2009;117(4):A138. Epub 2009/05/15. doi: <http://dx.doi.org/10.1289/ehp.12670>. PubMed PMID: 19440468; PMCID: PMC2679615.
280. Birnbaum LS. NIEHS supports partnerships in environmental public health. *Progress in community health partnerships: research, education, and action*. 2009;3(3):195-6. Epub 2009/01/01. doi:

- <http://dx.doi.org/10.1353/cpr.0.0076>. PubMed PMID: 20208218.
281. Birnbaum LS, Zenick H, Branche CM. Environmental justice: a continuing commitment to an evolving concept. *American journal of public health*. 2009;99 Suppl 3:S487-9. Epub 2009/11/06. doi: <http://dx.doi.org/10.2105/ajph.2009.179010>. PubMed PMID: 19890144; PMCID: PMC2774167.
282. Glass R, Rosenthal J, Jessup CM, Birnbaum LS, Portier C. Tackling the research challenges of health and climate change. *Environmental health perspectives*. 2009;117(12):A534. Epub 2010/01/06. doi: <http://dx.doi.org/10.1289/ehp.0901171>. PubMed PMID: 20049179; PMCID: PMC2799475.
283. Hakk H, Diliberto JJ, Birnbaum LS. The effect of dose on 2,3,7,8-TCDD tissue distribution, metabolism and elimination in CYP1A2 (-/-) knockout and C57BL/6N parental strains of mice. *Toxicology and applied pharmacology*. 2009;241(1):119-26. Epub 2009/08/22. doi: <http://dx.doi.org/10.1016/j.taap.2009.08.009>. PubMed PMID: 19695277.
284. La Merrill M, Baston DS, Denison MS, Birnbaum LS, Pomp D, Threadgill DW. Mouse breast cancer model-dependent changes in metabolic syndrome-associated phenotypes caused by maternal dioxin exposure and dietary fat. *American journal of physiology Endocrinology and metabolism*. 2009;296(1):E203-10. Epub 2008/10/09. doi: <http://dx.doi.org/10.1152/ajpendo.90368.2008>. PubMed PMID: 18840765; PMCID: PMC2636987.
285. La Merrill M, Kuruvilla BS, Pomp D, Birnbaum LS, Threadgill DW. Dietary fat alters body composition, mammary development, and cytochrome p450 induction after maternal TCDD exposure in DBA/2J mice with low-responsive aryl hydrocarbon receptors. *Environmental health perspectives*. 2009;117(9):1414-9. Epub 2009/09/15. doi: <http://dx.doi.org/10.1289/ehp.0800530>. PubMed PMID: 19750107; PMCID: PMC2737019.
286. Schecter A, Needham L, Pavuk M, Michalek J, Colacino J, Ryan J, Papke O, Birnbaum LS. Agent Orange exposure, Vietnam war veterans, and the risk of prostate cancer. *Cancer*. 2009;115(14):3369-71. Epub 2009/05/06. doi: <http://dx.doi.org/10.1002/cncr.24365>. PubMed PMID: 19415730.
287. Scott LL, Staskal DF, Williams ES, Luksemburg WJ, Urban JD, Nguyen LM, Haws LC, Birnbaum LS, Paustenbach DJ, Harris MA. Levels of polychlorinated dibenzo-p-dioxins, dibenzofurans, and biphenyls in southern Mississippi catfish and estimation of potential health risks. *Chemosphere*. 2009;74(7):1002-10. Epub 2008/12/26. doi: <http://dx.doi.org/10.1016/j.chemosphere.2008.09.090>. PubMed PMID: 19108868.
288. Szabo DT, Richardson VM, Ross DG, Diliberto JJ, Kodavanti PR, Birnbaum LS. Effects of perinatal PBDE exposure on hepatic phase I, phase II, phase III, and deiodinase 1 gene expression involved in thyroid hormone metabolism in male rat pups. *Toxicological sciences: an official journal of the Society of Toxicology*. 2009;107(1):27-39. Epub 2008/11/04. doi: <http://dx.doi.org/10.1093/toxsci/kfn230>. PubMed PMID: 18978342; PMCID: PMC2638650.
289. White SS, Birnbaum LS. An overview of the effects of dioxins and dioxin-like compounds on vertebrates, as documented in human and ecological epidemiology. *Journal of environmental science and health Part C, Environmental carcinogenesis & ecotoxicology reviews*. 2009;27(4):197-211. Epub 2009/12/03. doi: <http://dx.doi.org/10.1080/10590500903310047>. PubMed PMID: 19953395; PMCID: PMC2788749.
290. Birnbaum LS. Applying research to public health questions: biologically relevant exposures. *Environmental health perspectives*. 2010;118(4):A152. Epub 2010/04/07. doi: <http://dx.doi.org/10.1289/ehp.1002015>. PubMed PMID: 20368121; PMCID: PMC2854739.
291. Birnbaum LS. TSCA reform under way in Congress. *Environmental health perspectives*. 2010;118(3):A 106. Epub 2010/03/04. doi: <http://dx.doi.org/10.1289/ehp.1001917>. PubMed PMID: 20197245; PMCID: PMC2854777.

292. Birnbaum LS, Bergman A. Brominated and chlorinated flame retardants: the San Antonio Statement. *Environmental health perspectives*. 2010;118(12):A514-5. Epub 2010/12/03. doi: <http://dx.doi.org/10.1289/ehp.1003088>. PubMed PMID: 21123139; PMCID: PMC3002201.
293. Birnbaum LS, Jung P. Evolution in environmental health: incorporating the infectious disease paradigm. *Environmental health perspectives*. 2010;118(8):a327-8. Epub 2010/08/03. doi: <http://dx.doi.org/10.1289/ehp.1002661>. PubMed PMID: 20675264; PMCID: PMC2920094.
294. Birnbaum LS, Schroeder JC, Tilson HA. A repeat call for the banning of asbestos. *Environmental health perspectives*. 2010;118(7):A280-1. Epub 2010/07/06. doi: <http://dx.doi.org/10.1289/ehp.1002419>. PubMed PMID: 20601328; PMCID: PMC2920923.
295. Birnbaum LS, Staskal-Wikoff DS. 5th International PCB Workshop--summary and implications. *Environment international*. 2010;36(8):814-8. Epub 2010/08/24. doi: <http://dx.doi.org/10.1016/j.envint.2010.06.011>. PubMed PMID: 20728937; PMCID: PMC2975397.
296. Birnbaum LS, Stokes WS. Safety testing: moving toward alternative methods. *Environmental health perspectives*. 2010;118(1):A12-3. Epub 2010/03/20. doi: <http://dx.doi.org/10.1289/ehp.0901704>. PubMed PMID: 20238452; PMCID: PMC2831976.
297. Emond C, Raymer JH, Studabaker WB, Garner CE, Birnbaum LS. A physiologically based pharmacokinetic model for developmental exposure to BDE-47 in rats. *Toxicology and applied pharmacology*. 2010;242(3):290-8. Epub 2009/11/04. doi: <http://dx.doi.org/10.1016/j.taap.2009.10.019>. PubMed PMID: 19883674.
298. Hines RN, Sargent D, Autrup H, Birnbaum LS, Brent RL, Doerr NG, Cohen Hubal EA, Juberg DR, Laurent C, Luebke R, Olejniczak K, Portier CJ, Slikker W. Approaches for assessing risks to sensitive populations: lessons learned from evaluating risks in the pediatric population. *Toxicological sciences: an official journal of the Society of Toxicology*. 2010;113(1):4-26. Epub 2009/09/23. doi: <http://dx.doi.org/10.1093/toxsci/kfp217>. PubMed PMID: 19770482; PMCID: PMC3469276.
299. Humblet O, Williams PL, Korrick SA, Sergeev O, Emond C, Birnbaum LS, Burns JS, Altshul L, Patterson DG, Turner WE, Lee MM, Revich B, Hauser R. Predictors of serum dioxin, furan, and PCB concentrations among women from Chapaevsk, Russia. *Environmental science & technology*. 2010;44(14):5633-40. Epub 2010/06/29. doi: <http://dx.doi.org/10.1021/es100976j>. PubMed PMID: 20578718; PMCID: PMC3128795.
300. Kodavanti PR, Coburn CG, Moser VC, MacPhail RC, Fenton SE, Stoker TE, Rayner JL, Kannan K, Birnbaum LS. Developmental exposure to a commercial PBDE mixture, DE-71: neurobehavioral, hormonal, and reproductive effects. *Toxicological sciences: an official journal of the Society of Toxicology*. 2010;116(1):297-312. Epub 2010/04/09. doi: <http://dx.doi.org/10.1093/toxsci/kfq105>. PubMed PMID: 20375078.
301. La Merrill M, Harper R, Birnbaum LS, Cardiff RD, Threadgill DW. Maternal dioxin exposure combined with a diet high in fat increases mammary cancer incidence in mice. *Environmental health perspectives*. 2010;118(5):596-601. Epub 2010/05/04. doi: <http://dx.doi.org/10.1289/ehp.0901047>. PubMed PMID: 20435547; PMCID: PMC2866672.
302. Lakind JS, Birnbaum LS. Out of the frying pan and out of the fire: the indispensable role of exposure science in avoiding risks from replacement chemicals. *Journal of exposure science & environmental epidemiology*. 2010;20(2):115-6. Epub 2010/02/18. doi: <http://dx.doi.org/10.1038/jes.2009.71>. PubMed PMID: 20160736.
303. Schecter A, Colacino J, Haffner D, Patel K, Opel M, Papke O, Birnbaum LS. Perfluorinated compounds,

- polychlorinated biphenyls, and organochlorine pesticide contamination in composite food samples from Dallas, Texas, USA. *Environmental health perspectives*. 2010;118(6):796-802. Epub 2010/02/12. doi: <http://dx.doi.org/10.1289/ehp.0901347>. PubMed PMID: 20146964; PMCID: PMC2898856.
304. Schecter A, Haffner D, Colacino J, Patel K, Papke O, Opel M, Birnbaum LS. Polybrominated diphenyl ethers (PBDEs) and hexabromocyclodecane (HBCD) in composite U.S. food samples. *Environmental health perspectives*. 2010;118(3):357-62. Epub 2010/01/13. doi: <http://dx.doi.org/10.1289/ehp.0901345>. PubMed PMID: 20064778; PMCID: PMC2854763.
305. Shaw SD, Blum A, Weber R, Kannan K, Rich D, Lucas D, Koshland CP, Dobraca D, Hanson S, Birnbaum LS. Halogenated flame retardants: do the fire safety benefits justify the risks? *Reviews on environmental health*. 2010;25(4):261-305. Epub 2011/01/28. doi: <http://dx.doi.org/10.1515/REVEH.2010.25.4.261>. PubMed PMID: 21268442.
306. Szabo DT, Diliberto JJ, Hakk H, Huwe JK, Birnbaum LS. Toxicokinetics of the flame retardant hexabromocyclododecane gamma: effect of dose, timing, route, repeated exposure, and metabolism. *Toxicological sciences: an official journal of the Society of Toxicology*. 2010;117(2):282-93. Epub 2010/06/22. doi: <http://dx.doi.org/10.1093/toxsci/kfq183>. PubMed PMID: 20562218.
307. Vinikoor LC, Larson TC, Bateson TF, Birnbaum LS. Exposure to asbestos-containing vermiculite ore and respiratory symptoms among individuals who were children while the mine was active in Libby, Montana. *Environmental health perspectives*. 2010;118(7):1033-28. Epub 2010/03/25. doi: <http://dx.doi.org/10.1289/ehp.0901680>. PubMed PMID: 20332072; PMCID: PMC2920904.
308. Birnbaum LS. SOT at 50: A proud legacy, a vibrant future. *Environmental health perspectives*. 2011;119(3):a110-1. Epub 2011/03/02. doi: <http://dx.doi.org/10.1289/ehp.1103511>. PubMed PMID: 21356627; PMCID: PMC3060008.
309. Birnbaum LS. Environmental health science for regulatory decision making. *Duke Environ Law Pol Forum* 2011;21(2):259-93. doi: <https://scholarship.law.duke.edu/delpf/vol21/iss2/3>.
310. Birnbaum LS, Jung P. From endocrine disruptors to nanomaterials: advancing our understanding of environmental health to protect public health. *Health affairs (Project Hope)*. 2011;30(5):814-22. Epub 2011/05/11. doi: <http://dx.doi.org/10.1377/hlthaff.2010.1225>. PubMed PMID: 21555467.
311. Bookman EB, McAllister K, Gillanders E, Wanke K, Balshaw D, Rutter J, Reedy J, Shaughnessy D, Agurs-Collins T, Paltoo D, Atienza A, Bierut L, Kraft P, Fallin MD, Perera F, Turkheimer E, Boardman J, Marazita ML, Rappaport SM, Boerwinkle E, Suomi SJ, Caporaso NE, Hertz-Picciotto I, Jacobson KC, Lowe WL, Goldman LR, Duggal P, Gunnar MR, Manolio TA, Green ED, Olster DH, Birnbaum LS. Gene-environment interplay in common complex diseases: forging an integrative model-recommendations from an NIH workshop. *Genetic epidemiology*. 2011;35(4):217-25. Epub 2011/02/11. doi: <http://dx.doi.org/10.1002/gepi.20571>. PubMed PMID: 21308768; PMCID: PMC3228883.
312. Bucher JR, Thayer K, Birnbaum LS. The Office of Health Assessment and Translation: a problem-solving resource for the National Toxicology Program. *Environmental health perspectives*. 2011;119(5):A196-7. Epub 2011/05/03. doi: <http://dx.doi.org/10.1289/ehp.1103645>. PubMed PMID: 21531652; PMCID: PMC3094430.
313. Humblet O, Sergeev O, Altshul L, Korrick SA, Williams PL, Emond C, Birnbaum LS, Burns JS, Lee MM, Revich B, Shelepchikov A, Feshin D, Hauser R. Temporal trends in serum concentrations of polychlorinated dioxins, furans, and PCBs among adult women living in Chapaevsk, Russia: a longitudinal study from 2000 to 2009. *Environmental health: a global access science source*. 2011;10:62. Epub 2011/06/24. doi: <http://dx.doi.org/10.1186/1476-069x-10-62>. PubMed PMID: 21696632; PMCID: PMC3142486.

314. Humblet O, Williams PL, Korrick SA, Sergeev O, Emond C, Birnbaum LS, Burns JS, Altshul L, Patterson DG, Jr., Turner WE, Lee MM, Revich B, Hauser R. Dioxin and polychlorinated biphenyl concentrations in mother's serum and the timing of pubertal onset in sons. *Epidemiology (Cambridge, Mass)*. 2011;22(6):827-35. Epub 2011/10/05. doi: <http://dx.doi.org/10.1097/EDE.0b013e318230b0d1>. PubMed PMID: 21968773; PMCID: PMC3741104.
315. La Merrill M, Birnbaum LS. Childhood obesity and environmental chemicals. *The Mount Sinai journal of medicine, New York*. 2011;78(1):22-48. Epub 2011/01/25. doi: <http://dx.doi.org/10.1002/msj.20229>. PubMed PMID: 21259261; PMCID: PMC3076189.
316. Szabo DT, Diliberto JJ, Hakk H, Huwe JK, Birnbaum LS. Toxicokinetics of the flame retardant hexabromocyclododecane alpha: effect of dose, timing, route, repeated exposure, and metabolism. *Toxicological sciences: an official journal of the Society of Toxicology*. 2011;121(2):234-44. Epub 2011/03/29. doi: <http://dx.doi.org/10.1093/toxsci/kfr059>. PubMed PMID: 21441408.
317. Szabo DT, Diliberto JJ, Huwe JK, Birnbaum LS. Differences in tissue distribution of HBCD alpha and gamma between adult and developing mice. *Toxicological sciences: an official journal of the Society of Toxicology*. 2011;123(1):256-63. Epub 2011/06/28. doi: <http://dx.doi.org/10.1093/toxsci/kfr161>. PubMed PMID: 21705717.
318. Bergman A, Ryden A, Law RJ, de Boer J, Covaci A, Alaee M, Birnbaum LS, Petreas M, Rose M, Sakai S, Van den Eede N, van der Veen I. A novel abbreviation standard for organobromine, organochlorine and organophosphorus flame retardants and some characteristics of the chemicals. *Environment international*. 2012;49:57-82. Epub 2012/09/18. doi: <http://dx.doi.org/10.1016/j.envint.2012.08.003>. PubMed PMID: 22982223; PMCID: PMC3483428.
319. Birnbaum LS. NIEHS's new strategic plan. *Environmental health perspectives*. 2012;120(8):a298. Epub 2012/08/03. doi: <http://dx.doi.org/10.1289/ehp.1205642>. PubMed PMID: 22853936; PMCID: PMC3440102.
320. Birnbaum LS. Is supersize more than just too much food? *Environmental health perspectives*. 2012;120(6):A223-4. Epub 2012/06/05. doi: <http://dx.doi.org/10.1289/ehp.1205200>. PubMed PMID: 22659294; PMCID: PMC3385460.
321. Birnbaum LS. Environmental chemicals: evaluating low-dose effects. *Environmental health perspectives*. 2012;120(4):A143-4. Epub 2012/04/04. doi: <http://dx.doi.org/10.1289/ehp.1205179>. PubMed PMID: 22470049; PMCID: PMC3339483.
322. Birnbaum LS, Bucher JR, Collman GW, Zeldin DC, Johnson AF, Schug TT, Heindel JJ. Consortium-based science: the NIEHS's multipronged, collaborative approach to assessing the health effects of bisphenol A. *Environmental health perspectives*. 2012;120(12):1640-4. Epub 2012/10/12. doi: <http://dx.doi.org/10.1289/ehp.1205330>. PubMed PMID: 23052487; PMCID: PMC3548284.
323. Cote I, Anastas PT, Birnbaum LS, Clark RM, Dix DJ, Edwards SW, Preuss PW. Advancing the next generation of health risk assessment. *Environmental health perspectives*. 2012;120(11):1499-502. Epub 2012/08/10. doi: <http://dx.doi.org/10.1289/ehp.1104870>. PubMed PMID: 22875311; PMCID: PMC3556615.
324. Drew CH, Pettibone KG, O'Fallon LR, Collman GW, Birnbaum LS. Measuring partnership activities: partnerships in environmental public health evaluation metrics manual. *Environmental health perspectives*. 2012;120(7):a261-2. Epub 2012/07/05. doi: <http://dx.doi.org/10.1289/ehp.1205512>. PubMed PMID: 22759358; PMCID: PMC3404686.
325. Hakk H, Szabo DT, Huwe J, Diliberto J, Birnbaum LS. Novel and distinct metabolites identified following a single oral dose of alpha- or gamma-hexabromocyclododecane in mice. *Environmental science & technology*. 2012;46(24):13494-503. Epub 2012/11/23. doi: <http://dx.doi.org/10.1021/es303209g>. PubMed

PMID: 23171393; PMCID: PMC3608416.

326. Landrigan PJ, Lambertini L, Birnbaum LS. A research strategy to discover the environmental causes of autism and neurodevelopmental disabilities. *Environmental health perspectives*. 2012;120(7):a258-60. Epub 2012/05/01. doi: <http://dx.doi.org/10.1289/ehp.1104285>. PubMed PMID: 22543002; PMCID: PMC3404655.
327. Reid BC, Ghazarian AA, DeMarini DM, Sapkota A, Jack D, Lan Q, Winn DM, Birnbaum LS. Research opportunities for cancer associated with indoor air pollution from solid-fuel combustion. *Environmental health perspectives*. 2012;120(11):1495-8. Epub 2012/08/01. doi: <http://dx.doi.org/10.1289/ehp.1204962>. PubMed PMID: 22846419; PMCID: PMC3556624.
328. Satoh M, Chan EK, Ho LA, Rose KM, Parks CG, Cohn RD, Jusko TA, Walker NJ, Germolec DR, Whitt IZ, Crockett PW, Pauley BA, Chan JY, Ross SJ, Birnbaum LS, Zeldin DC, Miller FW. Prevalence and sociodemographic correlates of antinuclear antibodies in the United States. *Arthritis and rheumatism*. 2012;64(7):2319-27. Epub 2012/01/13. doi: <http://dx.doi.org/10.1002/art.34380>. PubMed PMID: 22237992; PMCID: PMC3330150.
329. Schecter A, Malik-Bass N, Calafat AM, Kato K, Colacino JA, Gent TL, Hynan LS, Harris TR, Malla S, Birnbaum LS. Polyfluoroalkyl compounds in Texas children from birth through 12 years of age. *Environmental health perspectives*. 2012;120(4):590-4. Epub 2011/12/21. doi: <http://dx.doi.org/10.1289/ehp.1104325>. PubMed PMID: 22182702; PMCID: PMC3339466.
330. Schecter A, Szabo DT, Miller J, Gent TL, Malik-Bass N, Petersen M, Paepke O, Colacino JA, Hynan LS, Harris TR, Malla S, Birnbaum LS. Hexabromocyclododecane (HBCD) stereoisomers in U.S. food from Dallas, Texas. *Environmental health perspectives*. 2012;120(9):1260-4. Epub 2012/06/01. doi: <http://dx.doi.org/10.1289/ehp.1204993>. PubMed PMID: 22647707; PMCID: PMC3440131.
331. Balbus JM, Barouki R, Birnbaum LS, Etzel RA, Gluckman PD, Sr., Grandjean P, Hancock C, Hanson MA, Heindel JJ, Hoffman K, Jensen GK, Keeling A, Neira M, Rabadan-Diehl C, Ralston J, Tang KC. Early-life prevention of non-communicable diseases. *Lancet (London, England)*. 2013;381(9860):3-4. Epub 2013/01/08. doi: [http://dx.doi.org/10.1016/s0140-6736\(12\)61609-2](http://dx.doi.org/10.1016/s0140-6736(12)61609-2). PubMed PMID: 23290956; PMCID: PMC3849695.
332. Birnbaum LS. When environmental chemicals act like uncontrolled medicine. *Trends in endocrinology and metabolism: TEM*. 2013;24(7):321-3. Epub 2013/05/11. doi: <http://dx.doi.org/10.1016/j.tem.2012.12.005>. PubMed PMID: 23660158.
333. Birnbaum LS. State of the science of endocrine disruptors. *Environmental health perspectives*. 2013;121(4):A107. Epub 2013/04/04. doi: <http://dx.doi.org/10.1289/ehp.1306695>. PubMed PMID: 23548815; PMCID: PMC3620755.
334. Birnbaum LS. 15 years out: reinventing ICCVAM. *Environmental health perspectives*. 2013;121(2):a40. Epub 2013/02/06. doi: <http://dx.doi.org/10.1289/ehp.1206292>. PubMed PMID: 23380598; PMCID: PMC3569695.
335. Birnbaum LS. Designing safer chemicals. *Environmental health perspectives*. 2013;121(1):A9. Epub 2013/01/05. doi: <http://dx.doi.org/10.1289/ehp.1206349>. PubMed PMID: 23287533; PMCID: PMC3553447.
336. Birnbaum LS, Aungst J, Schug TT, Goodman JL. Working together: research- and science-based regulation of BPA. *Environmental health perspectives*. 2013;121(7):A206-7. Epub 2013/07/03. doi: <http://dx.doi.org/10.1289/ehp.1306963>. PubMed PMID: 23817036; PMCID: PMC3702012.
337. Birnbaum LS, Schug TT. Phthalates in our food. *Endocrine Disruptors*. 2013;1(1). doi: <https://doi.org/10.4161/endo.25078>.
338. Birnbaum LS, Thayer KA, Bucher JR, Wolfe MS. Implementing systematic review at the National Toxicology

- Program: status and next steps. *Environmental health perspectives*. 2013;121(4):A108-9. Epub 2013/04/04. doi: <http://dx.doi.org/10.1289/ehp.1306711>. PubMed PMID: 23548834; PMCID: PMC3620750.
339. Burns KA, Zorrilla LM, Hamilton KJ, Reed CE, Birnbaum LS, Korach KS. A single gestational exposure to 2,3,7,8-tetrachlorodibenzo-p-dioxin disrupts the adult uterine response to estradiol in mice. *Toxicological sciences: an official journal of the Society of Toxicology*. 2013;136(2):514-26. Epub 2013/09/21. doi: <http://dx.doi.org/10.1093/toxsci/kft208>. PubMed PMID: 24052564; PMCID: PMC3858195.
340. Carlin DJ, Rider CV, Woychik R, Birnbaum LS. Unraveling the health effects of environmental mixtures: an NIEHS priority. *Environmental health perspectives*. 2013;121(1):A6-8. Epub 2013/02/15. doi: <http://dx.doi.org/10.1289/ehp.1206182>. PubMed PMID: 23409283; PMCID: PMC3553446.
341. Emond C, Sanders JM, Wikoff D, Birnbaum LS. Proposed mechanistic description of dose-dependent BDE-47 urinary elimination in mice using a physiologically based pharmacokinetic model. *Toxicology and applied pharmacology*. 2013;273(2):335-44. Epub 2013/09/24. doi: <http://dx.doi.org/10.1016/j.taap.2013.09.007>. PubMed PMID: 24055880; PMCID: PMC3913262.
342. Gosavi RA, Knudsen GA, Birnbaum LS, Pedersen LC. Mimicking of estradiol binding by flame retardants and their metabolites: a crystallographic analysis. *Environmental health perspectives*. 2013;121(10):1194-9. Epub 2013/08/21. doi: <http://dx.doi.org/10.1289/ehp.1306902>. PubMed PMID: 23959441; PMCID: PMC3801471.
343. Humblet O, Korrick SA, Williams PL, Sergeev O, Emond C, Birnbaum LS, Burns JS, Altshul LM, Patterson DG, Jr., Turner WE, Lee MM, Revich B, Hauser R. Genetic modification of the association between peripubertal dioxin exposure and pubertal onset in a cohort of Russian boys. *Environmental health perspectives*. 2013;121(1):111-7. Epub 2012/10/13. doi: <http://dx.doi.org/10.1289/ehp.1205278>. PubMed PMID: 23060366; PMCID: PMC3546349.
344. La Merrill M, Emond C, Kim MJ, Antignac JP, Le Bizet B, Clement K, Birnbaum LS, Barouki R. Toxicological function of adipose tissue: focus on persistent organic pollutants. *Environmental health perspectives*. 2013;121(2):162-9. Epub 2012/12/12. doi: <http://dx.doi.org/10.1289/ehp.1205485>. PubMed PMID: 23221922; PMCID: PMC3569688.
345. Lam T, Williams PL, Burns JS, Sergeev O, Korrick SA, Lee MM, Birnbaum LS, Revich B, Altshul LM, Patterson DG, Jr., Turner WE, Hauser R. Predictors of serum chlorinated pesticide concentrations among prepubertal Russian boys. *Environmental health perspectives*. 2013;121(11-12):1372-7. Epub 2013/08/21. doi: <http://dx.doi.org/10.1289/ehp.1306480>. PubMed PMID: 23955839; PMCID: PMC3855511.
346. Landrigan PJ, Wright RO, Birnbaum LS. Mercury toxicity in children. *Science (New York, NY)*. 2013;342(6165):1447. Epub 2013/12/21. doi: <http://dx.doi.org/10.1126/science.342.6165.1447>. PubMed PMID: 24357301.
347. Sanders JM, Knudsen GA, Birnbaum LS. The fate of beta-hexabromocyclododecane in female C57BL/6 mice. *Toxicological sciences: an official journal of the Society of Toxicology*. 2013;134(2):251-7. Epub 2013/06/05. doi: <http://dx.doi.org/10.1093/toxsci/kft121>. PubMed PMID: 23733921; PMCID: PMC3707439.
348. Schecter A, Lorber M, Guo Y, Wu Q, Yun SH, Kannan K, Hommel M, Imran N, Hynan LS, Cheng D, Colacino JA, Birnbaum LS. Phthalate concentrations and dietary exposure from food purchased in New York State. *Environmental health perspectives*. 2013;121(4):473-94. Epub 2013/03/07. doi: <http://dx.doi.org/10.1289/ehp.1206367>. PubMed PMID: 23461894; PMCID: PMC3620091.
349. Schug TT, Johnson AF, Balshaw DM, Garantziotis S, Walker NJ, Weis C, Nadadur SS, Birnbaum LS. ONE Nano: NIEHS's strategic initiative on the health and safety effects of engineered nanomaterials. *Environmental health perspectives*. 2013;121(4):410-4. Epub 2013/02/15. doi: <http://dx.doi.org/10.1289/ehp.1206091>.

PubMed PMID: 23407114; PMCID: PMC3620765.

350. Taylor KW, Novak RF, Anderson HA, Birnbaum LS, Blystone C, Devito M, Jacobs D, Kohrle J, Lee DH, Rylander L, Rignell-Hydbom A, Tornero-Velez R, Turyk ME, Boyles AL, Thayer KA, Lind L. Evaluation of the association between persistent organic pollutants (POPs) and diabetes in epidemiological studies: a national toxicology program workshop review. *Environmental health perspectives*. 2013;121(7):774-83. Epub 2013/05/09. doi: <http://dx.doi.org/10.1289/ehp.1205502>. PubMed PMID: 23651634; PMCID: PMC3701910.
351. Van den Berg M, Denison MS, Birnbaum LS, Devito MJ, Fiedler H, Falandysz J, Rose M, Schrenk D, Safe S, Tohyama C, Tritscher A, Tysklind M, Peterson RE. Polybrominated dibenzo-p-dioxins, dibenzofurans, and biphenyls: inclusion in the toxicity equivalency factor concept for dioxin-like compounds. *Toxicological sciences: an official journal of the Society of Toxicology*. 2013;133(2):197-208. Epub 2013/03/16. doi: <http://dx.doi.org/10.1093/toxsci/kft070>. PubMed PMID: 23492812; PMCID: PMC3663561.
352. Birnbaum LS. Retirement of Hugh A. Tilson [Editorial]. *Eviron Health Perspect*. 2014;122(8). doi: <http://dx.doi.org/10.1289/ehp.1408430>.
353. Birnbaum LS, Tart KT. Protecting our children from climate change. *Environmental health perspectives*. 2014;122(10):A260-1. Epub 2014/10/02. doi: <http://dx.doi.org/10.1289/ehp.1409165>. PubMed PMID: 25271472; PMCID: PMC4181937.
354. Cesta MF, Malarkey DE, Herbert RA, Brix A, Hamlin MH, 2nd, Singletary E, Sills RC, Bucher JR, Birnbaum LS. The National Toxicology Program Web-based nonneoplastic lesion atlas: a global toxicology and pathology resource. *Toxicologic pathology*. 2014;42(2):458-60. Epub 2014/02/04. doi: <http://dx.doi.org/10.1177/0192623313517304>. PubMed PMID: 24488020.
355. Frawley R, DeVito M, Walker NJ, Birnbaum L, White K, Jr., Smith M, Maynor T, Recio L, Germolec D. Relative potency for altered humoral immunity induced by polybrominated and polychlorinated dioxins/furans in female B6C3F1/N mice. *Toxicological sciences: an official journal of the Society of Toxicology*. 2014;139(2):488-500. Epub 2014/04/10. doi: <http://dx.doi.org/10.1093/toxsci/kfu041>. PubMed PMID: 24713691; PMCID: PMC4031622.
356. Hoffman K, Fang M, Horman B, Patisaul HB, Garantziotis S, Birnbaum LS, Stapleton HM. Urinary tetrabromobenzoic acid (TBBA) as a biomarker of exposure to the flame retardant mixture Firemaster(R) 550. *Environmental health perspectives*. 2014;122(9):963-9. Epub 2014/05/16. doi: <http://dx.doi.org/10.1289/ehp.1308028>. PubMed PMID: 24823833; PMCID: PMC4154220.
357. Knudsen GA, Sanders JM, Sadik AM, Birnbaum LS. Disposition and kinetics of Tetrabromobisphenol A in female Wistar Han rats. *Toxicology reports*. 2014;1:214-23. Epub 2014/07/01. doi: <http://dx.doi.org/10.1016/j.toxrep.2014.03.005>. PubMed PMID: 24977115; PMCID: PMC4071299.
358. Lam T, Williams PL, Lee MM, Korrick SA, Birnbaum LS, Burns JS, Sergeev O, Revich B, Altshul LM, Patterson DG, Jr., Turner WE, Hauser R. Prepubertal organochlorine pesticide concentrations and age of pubertal onset among Russian boys. *Environment international*. 2014;73:135-42. Epub 2014/08/15. doi: <http://dx.doi.org/10.1016/j.envint.2014.06.020>. PubMed PMID: 25118086; PMCID: PMC4194160.
359. Parks CG, Miller FW, Satoh M, Chan EK, Andrushchenko Z, Birnbaum LS, Jusko TA, Kissling GE, Patel MD, Rose KM, Weinberg C, Zeldin DC, Sandler DP. Reproductive and hormonal risk factors for antinuclear antibodies (ANA) in a representative sample of U.S. women. *Cancer epidemiology, biomarkers & prevention: a publication of the American Association for Cancer Research, cosponsored by the American Society of Preventive Oncology*. 2014;23(11):2492-502. Epub 2014/08/03. doi: <http://dx.doi.org/10.1158/1055-9965.Epi-14-0429>. PubMed PMID: 25086100; PMCID: PMC4361940.

360. Pedersen LC, Birnbaum LS, Gosavi RA, Knudsen GA. Crystallographic analysis and mimicking of estradiol binding: Pedersen et al. Respond. Environmental health perspectives. 2014;122(4):A91-2. Epub 2014/04/03. doi: <http://dx.doi.org/10.1289/ehp.1307987R>. PubMed PMID: 24691124; PMCID: PMC3984220.
361. Segars JH, Parrott EC, Nagel JD, Guo XC, Gao X, Birnbaum LS, Pinn VW, Dixon D. Proceedings from the Third National Institutes of Health International Congress on Advances in Uterine Leiomyoma Research: comprehensive review, conference summary and future recommendations. Human reproduction update. 2014;20(3):309-33. Epub 2014/01/10. doi: <http://dx.doi.org/10.1093/humupd/dmt058>. PubMed PMID: 24401287; PMCID: PMC3999378.
362. Sueyoshi T, Li L, Wang H, Moore R, Kodavanti PR, Lehmler HJ, Negishi M, Birnbaum LS. Flame retardant BDE-47 effectively activates nuclear receptor CAR in human primary hepatocytes. Toxicological sciences: an official journal of the Society of Toxicology. 2014;137(2):292-302. Epub 2013/11/13. doi: <http://dx.doi.org/10.1093/toxsci/kft243>. PubMed PMID: 24218150; PMCID: PMC3908718.
363. Thayer KA, Wolfe MS, Rooney AA, Boyles AL, Bucher JR, Birnbaum LS. Intersection of systematic review methodology with the NIH reproducibility initiative. Environmental health perspectives. 2014;122(7):A176-7. Epub 2014/07/02. doi: <http://dx.doi.org/10.1289/ehp.1408671>. PubMed PMID: 24984224; PMCID: PMC4080520.
364. Birnbaum LS. Bisphenols: More unnecessary surprises. Endocrine Disruptors. 2015;4(1). doi: <https://doi.org/10.1080/23273747.2015.1131032>.
365. Birnbaum LS, Grandjean P. Alternatives to PFASs: perspectives on the science. Environmental health perspectives. 2015;123(5):A104-5. Epub 2015/05/02. doi: <http://dx.doi.org/10.1289/ehp.1509944>. PubMed PMID: 25932670; PMCID: PMC4421778.
366. Birnbaum LS, Lorber M, Schecter A, Paepke O, Shropshire W, Christensen K. Exposure assessment of adult intake of bisphenol A (BPA) with emphasis on canned food dietary exposures. Environ Internation. 2015;77:55-62. doi: <http://dx.doi.org/10.1016/j.envint.2015.01.008>.
367. Birnbaum LS, Miller MF. Prenatal Programming and Toxicity (PPTOX) Introduction. Endocrinology. 2015;156(10):3405-7. Epub 2015/08/05. doi: <http://dx.doi.org/10.1210/en.2015-1458>. PubMed PMID: 26241073; PMCID: PMC4588826.
368. Fenton SE, Birnbaum LS. Timing of Environmental Exposures as a Critical Element in Breast Cancer Risk. The Journal of clinical endocrinology and metabolism. 2015;100(9):3245-50. Epub 2015/07/28. doi: <http://dx.doi.org/10.1210/jc.2015-2848>. PubMed PMID: 26214118; PMCID: PMC4570175.
369. Forman MR, Winn DM, Collman GW, Rizzo J, Birnbaum LS. Environmental exposures, breast development and cancer risk: Through the looking glass of breast cancer prevention. Reproductive toxicology (Elmsford, NY). 2015;54:6-10. Epub 2014/12/17. doi: <http://dx.doi.org/10.1016/j.reprotox.2014.10.019>. PubMed PMID: 25499721.
370. Grossman E, Vandenberg LN, Thayer K, Birnbaum LS. Theodora (Theo) Colborn: 1927-2014. Environmental health perspectives. 2015;123(3):A54. Epub 2015/03/03. doi: <http://dx.doi.org/10.1289/ehp.1509743>. PubMed PMID: 25730706; PMCID: PMC4348749.
371. Heindel JJ, Balbus J, Birnbaum LS, Brune-Drisse MN, Grandjean P, Gray K, Landrigan PJ, Sly PD, Suk W, Cory Slechta D, Thompson C, Hanson M. Developmental Origins of Health and Disease: Integrating Environmental Influences. Endocrinology. 2015;156(10):3416-21. Epub 2015/08/05. doi: <http://dx.doi.org/10.1210/en.2015-1394>. PubMed PMID: 26241070; PMCID: PMC4588819.

372. Hoffman K, Garantziotis S, Birnbaum LS, Stapleton HM. Monitoring indoor exposure to organophosphate flame retardants: hand wipes and house dust. *Environmental health perspectives*. 2015;123(2):160-5. Epub 2014/10/25. doi: <http://dx.doi.org/10.1289/ehp.1408669>. PubMed PMID: 25343780; PMCID: PMC4314253.
373. Knudsen GA, Hughes MF, McIntosh KL, Sanders JM, Birnbaum LS. Estimation of tetrabromobisphenol A (TBBPA) percutaneous uptake in humans using the parallelogram method. *Toxicology and applied pharmacology*. 2015;289(2):323-9. Epub 2015/09/22. doi: <http://dx.doi.org/10.1016/j.taap.2015.09.012>. PubMed PMID: 26387765; PMCID: PMC4651786.
374. Lam T, Williams PL, Lee MM, Korrick SA, Birnbaum LS, Burns JS, Sergeyev O, Revich B, Altshul LM, Patterson DG, Jr., Hauser R. Prepubertal Serum Concentrations of Organochlorine Pesticides and Age at Sexual Maturity in Russian Boys. *Environmental health perspectives*. 2015;123(11):1216-21. Epub 2015/05/27. doi: <http://dx.doi.org/10.1289/ehp.1409022>. PubMed PMID: 26009253; PMCID: PMC4629743.
375. Langley G, Austin CP, Balapure AK, Birnbaum LS, Bucher JR, Fentem J, Fitzpatrick SC, Fowle JR, 3rd, Kavlock RJ, Kitano H, Lidbury BA, Muotri AR, Peng SQ, Sakharov D, Seidle T, Trez T, Tonevitsky A, van de Stolpe A, Whelan M, Willett C. Lessons from Toxicology: Developing a 21st-Century Paradigm for Medical Research. *Environmental health perspectives*. 2015;123(11):A268-72. Epub 2015/11/03. doi: <http://dx.doi.org/10.1289/ehp.1510345>. PubMed PMID: 26523530; PMCID: PMC4629751.
376. Miller A, Birnbaum LS. Preparing for disasters. *Science (New York, NY)*. 2015;348(6236):766-7. Epub 2015/05/16. doi: <http://dx.doi.org/10.1126/science.348.6236.766-c>. PubMed PMID: 25977543.
377. Pearce N, Blair A, Vineis P, Ahrens W, Andersen A, Anto JM, Armstrong BK, Baccarelli AA, Beland FA, Berrington A, Bertazzi PA, Birnbaum LS, Brownson RC, Bucher JR, Cantor KP, Cardis E, Cherrie JW, Christiani DC, Cocco P, Coggon D, Comba P, Demers PA, Dement JM, Douwes J, Eisen EA, Engel LS, Fenske RA, Fleming LE, Fletcher T, Fontham E, Forastiere F, Frentzel-Beyme R, Fritschi L, Gerin M, Goldberg M, Grandjean P, Grimsrud TK, Gustavsson P, Haines A, Hartge P, Hansen J, Hauptmann M, Heederik D, Hemminki K, Hemon D, Hertz-Picciotto I, Hoppin JA, Huff J, Jarvholm B, Kang D, Karagas MR, Kjaerheim K, Kjuus H, Kogevinas M, Kriebel D, Kristensen P, Kromhout H, Laden F, Lebaillly P, LeMasters G, Lubin JH, Lynch CF, Lyng E, t Mannelje A, McMichael AJ, McLaughlin JR, Marrett L, Martuzzi M, Merchant JA, Merler E, Merletti F, Miller A, Mirer FE, Monson R, Nordby KC, Olshan AF, Parent ME, Perera FP, Perry MJ, Pesatori AC, Pirastu R, Porta M, Pukkala E, Rice C, Richardson DB, Ritter L, Ritz B, Ronckers CM, Rushton L, Rusiecki JA, Rusyn I, Samet JM, Sandler DP, de Sanjose S, Schernhammer E, Costantini AS, Seixas N, Shy C, Siemiatycki J, Silverman DT, Simonato L, Smith AH, Smith MT, Spinelli JJ, Spitz MR, Stallones L, Stayner LT, Steenland K, Stenzel M, Stewart BW, Stewart PA, Symanski E, Terracini B, Tolbert PE, Vainio H, Vena J, Vermeulen R, Victora CG, Ward EM, Weinberg CR, Weisenburger D, Wesseling C, Weiderpass E, Zahm SH. IARC monographs: 40 years of evaluating carcinogenic hazards to humans. *Environmental health perspectives*. 2015;123(6):507-14. Epub 2015/02/26. doi: <http://dx.doi.org/10.1289/ehp.1409149>. PubMed PMID: 25712798; PMCID: PMC4455595.
378. Thayer KA, Doerge DR, Hunt D, Schurman SH, Twaddle NC, Churchwell MI, Garantziotis S, Kissling GE, Easterling MR, Bucher JR, Birnbaum LS. Pharmacokinetics of bisphenol A in humans following a single oral administration. *Environment international*. 2015;83:107-15. Epub 2015/06/27. doi: <http://dx.doi.org/10.1016/j.envint.2015.06.008>. PubMed PMID: 26115537; PMCID: PMC4545316.
379. Allen JG, Gale S, Zoeller RT, Spengler JD, Birnbaum LS, McNeely E. PBDE flame retardants, thyroid disease, and menopausal status in U.S. women. *Environmental health: a global access science source*. 2016;15(1):60. Epub 2016/05/25. doi: <http://dx.doi.org/10.1186/s12940-016-0141-0>. PubMed PMID: 27215290; PMCID: PMC4877989.
380. Balbus JM, Tart KG, Dilworth CH, Birnbaum LS. Changing the Climate of Respiratory Clinical Practice. Insights from the 2016 Climate and Health Assessment of the U.S. Global Change Research Program. *Annals of the American Thoracic Society*. 2016;13(8):1202-4. Epub 2016/08/11. doi:

- <http://dx.doi.org/10.1513/AnnalsATS.201607-535ED>. PubMed PMID: 27509146; PMCID: PMC5461996.
381. Bennett D, Bellinger DC, Birnbaum LS, Bradman A, Chen A, Cory-Slechta DA, Engel SM, Fallin MD, Halladay A, Hauser R, Hertz-Picciotto I, Kwiatkowski CF, Lanphear BP, Marquez E, Marty M, McPartland J, Newschaffer CJ, Payne-Sturges D, Patisaul HB, Perera FP, Ritz B, Sass J, Schantz SL, Webster TF, Whyatt RM, Woodruff TJ, Zoeller RT, Anderko L, Campbell C, Conry JA, DeNicola N, Gould RM, Hirtz D, Huffling K, Landrigan PJ, Lavin A, Miller M, Mitchell MA, Rubin L, Schettler T, Tran HL, Acosta A, Brody C, Miller E, Miller P, Swanson M, Witherspoon NO. Project TENDR: Targeting Environmental Neuro-Developmental Risks The TENDR Consensus Statement. *Environmental health perspectives*. 2016;124(7):A118-22. Epub 2016/08/02. doi: <http://dx.doi.org/10.1289/ehp358>. PubMed PMID: 27479987; PMCID: PMC4937840.
382. Birnbaum LS. NIEHS Celebrates 50 Years of Environmental Health Research at the NIH. *Environmental health perspectives*. 2016;124(1):A5. Epub 2016/01/01. doi: <http://dx.doi.org/10.1289/ehp.1511015>. PubMed PMID: 26719977; PMCID: PMC4710612.
383. Birnbaum LS. My Winding Road: From Microbiology to Toxicology and Environmental Health. *Annual review of pharmacology and toxicology*. 2016;56:1-17. Epub 2015/10/31. doi: <http://dx.doi.org/10.1146/annurev-pharmtox-010715-103255>. PubMed PMID: 26514198.
384. Birnbaum LS. 25 Years of Endocrine Disruption: Past Lessons And Future Directions. *Endocrine News*. 2016;49. doi: <https://www.niehs.nih.gov/news/events/pastmtg/2016/endocrine/index.cfm>.
385. Birnbaum LS, Balbus JM, Tart KT. Erratum: "Marking a New Understanding of Climate and Health". *Environmental health perspectives*. 2016;124(6):A105. Epub 2016/06/02. doi: <http://dx.doi.org/10.1289/ehp350>. PubMed PMID: 27248290; PMCID: PMC4892902.
386. Birnbaum LS, Balbus JM, Tart KT. Marking a New Understanding of Climate and Health. *Environmental health perspectives*. 2016;124(4):A59. Epub 2016/04/02. doi: <http://dx.doi.org/10.1289/ehp.1611410>. PubMed PMID: 27035485; PMCID: PMC4830000.
387. Birnbaum LS, Burke TA, Jones JJ. Informing 21st-Century Risk Assessments with 21st-Century Science. *Environmental health perspectives*. 2016;124(4):A60-3. Epub 2016/04/02. doi: <http://dx.doi.org/10.1289/ehp.1511135>. PubMed PMID: 27035154; PMCID: PMC4829990.
388. Birnbaum LS, Dutton ND, Cusack C, Mennemeyer ST, Pavuk M. Anniston community health survey: Follow-up and dioxin analyses (ACHS-II)--methods. *Environmental science and pollution research international*. 2016;23(3):2014-21. Epub 2015/05/20. doi: <http://dx.doi.org/10.1007/s11356-015-4684-3>. PubMed PMID: 25982988; PMCID: PMC4648703.
389. Bucher JR, Birnbaum LS. Commemorating Toxicology at the National Institute of Environmental Health Sciences on the Occasion of Its 50th Anniversary. *Environmental health perspectives*. 2016;124(11):A192-a5. Epub 2016/11/02. doi: <http://dx.doi.org/10.1289/ehp463>. PubMed PMID: 27801649; PMCID: PMC5089890 interests.
390. Carlin DJ, Naujokas MF, Bradham KD, Cowden J, Heacock M, Henry HF, Lee JS, Thomas DJ, Thompson C, Tokar EJ, Waalkes MP, Birnbaum LS, Suk WA. Arsenic and Environmental Health: State of the Science and Future Research Opportunities. *Environmental health perspectives*. 2016;124(7):890-9. Epub 2015/11/21. doi: <http://dx.doi.org/10.1289/ehp.1510209>. PubMed PMID: 26587579; PMCID: PMC4937867.
391. Collins FS, Anderson JM, Austin CP, Battey JF, Birnbaum LS, Briggs JP, Clayton JA, Cuthbert B, Eisinger RW, Fauci AS, Gallin JI, Gibbons GH, Glass RI, Gottesman MM, Gray PA, Green ED, Greider FB, Hodes R, Hudson KL, Humphreys B, Katz SI, Koob GF, Koroshetz WJ, Lauer MS, Lorsch JR, Lowy DR, McGowan JJ, Murray DM, Nakamura R, Norris A, Perez-Stable EJ, Pettigrew RI, Riley WT, Rodgers GP, Sieving PA, Somerman MJ, Spong

- CY, Tabak LA, Volkow ND, Wilder EL. Basic science: Bedrock of progress. *Science* (New York, NY). 2016;351(6280):1405. Epub 2016/03/26. doi: <http://dx.doi.org/10.1126/science.351.6280.1405-a>. PubMed PMID: 27013720; PMCID: PMC5101936.
392. Cote I, Andersen ME, Ankley GT, Barone S, Birnbaum LS, Boekelheide K, Bois FY, Burgoon LD, Chiu WA, Crawford-Brown D, Crofton KM, DeVito M, Devlin RB, Edwards SW, Guyton KZ, Hattis D, Judson RS, Knight D, Krewski D, Lambert J, Maull EA, Mendrick D, Paoli GM, Patel CJ, Perkins EJ, Poje G, Portier CJ, Rusyn I, Schulte PA, Simeonov A, Smith MT, Thayer KA, Thomas RS, Thomas R, Tice RR, Vandenberg JJ, Villeneuve DL, Wesselkamper S, Whelan M, Whittaker C, White R, Xia M, Yauk C, Zeise L, Zhao J, DeWoskin RS. The Next Generation of Risk Assessment Multi-Year Study-Highlights of Findings, Applications to Risk Assessment, and Future Directions. *Environmental health perspectives*. 2016;124(11):1671-82. Epub 2016/11/02. doi: <http://dx.doi.org/10.1289/ehp233>. PubMed PMID: 27091369; PMCID: PMC5089888
393. Cui Y, Balshaw DM, Kwok RK, Thompson CL, Collman GW, Birnbaum LS. The Exposome: Embracing the Complexity for Discovery in Environmental Health. *Environmental health perspectives*. 2016;124(8):A137-40. Epub 2016/08/02. doi: <http://dx.doi.org/10.1289/ehp412>. PubMed PMID: 27479988; PMCID: PMC4977033.
394. Dinse GE, Jusko TA, Whitt IZ, Co CA, Parks CG, Satoh M, Chan EK, Rose KM, Walker NJ, Birnbaum LS, Zeldin DC, Weinberg CR, Miller FW. Associations Between Selected Xenobiotics and Antinuclear Antibodies in the National Health and Nutrition Examination Survey, 1999-2004. *Environmental health perspectives*. 2016;124(4):426-36. Epub 2015/08/08. doi: <http://dx.doi.org/10.1289/ehp.1409345>. PubMed PMID: 26252071; PMCID: PMC4829978.
395. Emond C, DeVito M, Warner M, Eskenazi B, Mocarelli P, Birnbaum LS. An assessment of dioxin exposure across gestation and lactation using a PBPK model and new data from Seveso. *Environment international*. 2016;92-93:23-32. Epub 2016/04/06. doi: <http://dx.doi.org/10.1016/j.envint.2016.03.015>. PubMed PMID: 27045706; PMCID: PMC4902767.
396. Heacock M, Kelly CB, Asante KA, Birnbaum LS, Bergman AL, Brune MN, Buka I, Carpenter DO, Chen A, Huo X, Kamel M, Landrigan PJ, Magalini F, Diaz-Barriga F, Neira M, Omar M, Pascale A, Ruchirawat M, Sly L, Sly PD, Van den Berg M, Suk WA. E-Waste and Harm to Vulnerable Populations: A Growing Global Problem. *Environmental health perspectives*. 2016;124(5):550-5. Epub 2015/09/30. doi: <http://dx.doi.org/10.1289/ehp.1509699>. PubMed PMID: 26418733; PMCID: PMC4858409.
397. Knudsen GA, Hughes MF, Sanders JM, Hall SM, Birnbaum LS. Estimation of human percutaneous bioavailability for two novel brominated flame retardants, 2-ethylhexyl 2,3,4,5-tetrabromobenzoate (EH-TBB) and bis(2-ethylhexyl) tetrabromophthalate (BEH-TEBP). *Toxicology and applied pharmacology*. 2016;311:117-27. Epub 2016/10/26. doi: <http://dx.doi.org/10.1016/j.taap.2016.10.005>. PubMed PMID: 27732871; PMCID: PMC5090262.
398. Knudsen GA, Sanders JM, Birnbaum LS. Disposition of the Emerging Brominated Flame Retardant, 2-Ethylhexyl 2,3,4,5-Tetrabromobenzoate, in Female SD Rats and Male B6C3F1 Mice: Effects of Dose, Route, and Repeated Administration. *Toxicological sciences: an official journal of the Society of Toxicology*. 2016;154(2):392-402. Epub 2016/09/11. doi: <http://dx.doi.org/10.1093/toxsci/kfw176>. PubMed PMID: 27613714; PMCID: PMC5139073.
399. Lind L, Lind PM, Lejonklou MH, Dunder L, Bergman A, Guerrero-Bosagna C, Lampa E, Lee HK, Legler J, Nadal A, Pak YK, Phipps RP, Vandenberg LN, Zalko D, Agerstrand M, Oberg M, Blumberg B, Heindel JJ, Birnbaum LS. Uppsala Consensus Statement on Environmental Contaminants and the Global Obesity Epidemic. *Environmental health perspectives*. 2016;124(5):A81-3. Epub 2016/05/03. doi: <http://dx.doi.org/10.1289/ehp.1511115>. PubMed PMID: 27135406; PMCID: PMC4858400.
400. Mitro SD, Birnbaum LS, Needham BL, Zota AR. Cross-sectional Associations between Exposure to Persistent

- Organic Pollutants and Leukocyte Telomere Length among U.S. Adults in NHANES, 2001-2002. *Environmental health perspectives*. 2016;124(5):651-8. Epub 2015/10/10. doi: <http://dx.doi.org/10.1289/ehp.1510187>. PubMed PMID: 26452299; PMCID: PMC4858394.
401. Sanders JM, Coulter SJ, Knudsen GA, Dunnick JK, Kissling GE, Birnbaum LS. Disruption of estrogen homeostasis as a mechanism for uterine toxicity in Wistar Han rats treated with tetrabromobisphenol A. *Toxicology and applied pharmacology*. 2016;298:31-9. Epub 2016/03/19. doi: <http://dx.doi.org/10.1016/j.taap.2016.03.007>. PubMed PMID: 26988606; PMCID: PMC4825186.
402. Schug TT, Johnson AF, Birnbaum LS, Colborn T, Guillette LJ, Jr., Crews DP, Collins T, Soto AM, Vom Saal FS, McLachlan JA, Sonnenschein C, Heindel JJ. Endocrine Disruptors: Past Lessons and Future Directions. *Molecular endocrinology (Baltimore, Md)*. 2016;30(8):833-47. Epub 2016/08/02. doi: <http://dx.doi.org/10.1210/me.2016-1096>. PubMed PMID: 27477640; PMCID: PMC4965846.
403. Szabo ST, Harry GJ, Hayden KM, Szabo DT, Birnbaum LS. Comparison of Metal Levels between Postmortem Brain and Ventricular Fluid in Alzheimer's Disease and Nondemented Elderly Controls. *Toxicological sciences: an official journal of the Society of Toxicology*. 2016;150(2):292-300. Epub 2016/01/02. doi: <http://dx.doi.org/10.1093/toxsci/kfv325>. PubMed PMID: 26721301; PMCID: PMC4881830.
404. Thayer KA, Taylor KW, Garantziotis S, Schurman SH, Kissling GE, Hunt D, Herbert B, Church R, Jankowich R, Churchwell MI, Scheri RC, Birnbaum LS, Bucher JR. Bisphenol A, Bisphenol S, and 4-Hydroxyphenyl 4-Isopropoxyphenylsulfone (BPSIP) in Urine and Blood of Cashiers. *Environmental health perspectives*. 2016;124(4):437-44. Epub 2015/08/27. doi: <http://dx.doi.org/10.1289/ehp.1409427>. PubMed PMID: 26309242; PMCID: PMC4824622.
405. Birnbaum LS. Updating the NIEHS Strategic Plan. *Environmental health perspectives*. 2017;125(7):071001. Epub 2017/07/28. doi: <http://dx.doi.org/10.1289/ehp2502>. PubMed PMID: 28749368; PMCID: PMC5744721.
406. Birnbaum LS. Dioxin and the AH receptor: Synergy of discovery. *Current Opinion in Toxicology*. 2017;2:120-3. doi: <https://doi.org/10.1016/j.cotox.2017.01.009>.
407. Birnbaum LS, Suk WA, Landrigan PJ. In Memoriam: Herbert L. Needleman. *Environmental health perspectives*. 2017;125(9):2. doi: <http://dx.doi.org/10.1289/ehp2636>. PubMed PMID: WOS:000413792800001.
408. Callahan CL, Pavuk M, Birnbaum LS, Ren X, Olson JR, Bonner MR. Serum polychlorinated biphenyls and leukocyte telomere length in a highly-exposed population: The Anniston Community Health Survey. *Environment international*. 2017;108:212-20. Epub 2017/09/09. doi: <http://dx.doi.org/10.1016/j.envint.2017.08.018>. PubMed PMID: 28886414; PMCID: PMC5623110.
409. Gross L, Birnbaum LS. Regulating toxic chemicals for public and environmental health. *PLoS biology*. 2017;15(12):e2004814. Epub 2017/12/19. doi: <http://dx.doi.org/10.1371/journal.pbio.2004814>. PubMed PMID: 29252982; PMCID: PMC5734678.
410. Hall SM, Coulter SJ, Knudsen GA, Sanders JM, Birnbaum LS. Gene expression changes in immune response pathways following oral administration of tetrabromobisphenol A (TBBPA) in female Wistar Han rats. *Toxicology letters*. 2017;272:68-74. Epub 2017/03/17. doi: <http://dx.doi.org/10.1016/j.toxlet.2017.03.008>. PubMed PMID: 28300664; PMCID: PMC5425951.
411. Knudsen GA, Sanders JM, Birnbaum LS. Disposition of the emerging brominated flame retardant, bis(2-ethylhexyl) tetrabromophthalate, in female Sprague Dawley rats: effects of dose, route and repeated administration. *Xenobiotica; the fate of foreign compounds in biological systems*. 2017;47(3):245-54. Epub 2016/04/22. doi: <http://dx.doi.org/10.1080/00498254.2016.1174793>. PubMed PMID: 27098498; PMCID: PMC5531283.

412. Knudsen GA, Sanders JM, Hughes MF, Hull EP, Birnbaum LS. The biological fate of decabromodiphenyl ethane following oral, dermal or intravenous administration. *Xenobiotica; the fate of foreign compounds in biological systems*. 2017;47(10):894-902. Epub 2016/10/30. doi: <http://dx.doi.org/10.1080/00498254.2016.1250180>. PubMed PMID: 27771980; PMCID: PMC5463998.
413. Kwok RK, Engel LS, Miller AK, Blair A, Curry MD, Jackson WB, Stewart PA, Stenzel MR, Birnbaum LS, Sandler DP. The GuLF STUDY: A Prospective Study of Persons Involved in the Deepwater Horizon Oil Spill Response and Clean-Up. *Environmental health perspectives*. 2017;125(4):570-8. Epub 2017/04/01. doi: <http://dx.doi.org/10.1289/ehp715>. PubMed PMID: 28362265; PMCID: PMC5382003.
414. Szabo DT, Pathmasiri W, Sumner S, Birnbaum LS. Serum Metabolomic Profiles in Neonatal Mice following Oral Brominated Flame Retardant Exposures to Hexabromocyclododecane (HBCD) Alpha, Gamma, and Commercial Mixture. *Environmental health perspectives*. 2017;125(4):651-9. Epub 2016/11/05. doi: <http://dx.doi.org/10.1289/ehp242>. PubMed PMID: 27814246; PMCID: PMC5381977.
415. Thigpen Tart K, Dilworth CH, Birnbaum LS, Balbus JM. The Epidemiologic Silver Lining of Climate Change. *Epidemiology (Cambridge, Mass)*. 2017;28(3):313-5. Epub 2016/12/17. doi: <http://dx.doi.org/10.1097/ede.0000000000000613>. PubMed PMID: 27984422.
416. Birnbaum LS. Identifying Cost Savings Associated with NIEHS-Funded Research. *Environmental health perspectives*. 2018;126(6):061001. Epub 2018/06/23. doi: <http://dx.doi.org/10.1289/ehp3841>. PubMed PMID: 29929944.
417. Birnbaum LS. How Did I Ever Get Here? The 2018 Mildred S. Christian Award Winner. *International journal of toxicology*. 2018;37(4):272-5. Epub 2018/07/19. doi: <http://dx.doi.org/10.1177/1091581818781316>. PubMed PMID: 30016916.
418. Birnbaum LS. Moving NIEHS Forward for the Next Five Years. *Environmental health perspectives*. 2018;126(9):91001. Epub 2018/09/12. doi: <https://ehp.niehs.nih.gov/doi/10.1289/EHP4356>. PubMed PMID: 30203991.
419. Collman GW, Berridge BR, Hall JE, Woychik R, Zeldin DC, Birnbaum LS. NIEHS: Making a Mark on Translational Research Science. *Environmental health perspectives*. 2018;126(8):081001. Epub 2018/08/04. doi: <http://dx.doi.org/10.1289/ehp4075>. PubMed PMID: 30073951.
420. Emond C, DeVito MJ, Diliberto JJ, Birnbaum LS. The Influence of Obesity on the Pharmacokinetics of Dioxin in Mice: An Assessment Using Classical and PBPK Modeling. *Toxicological sciences: an official journal of the Society of Toxicology*. 2018;164(1):218-28. Epub 2018/03/30. doi: <http://dx.doi.org/10.1093/toxsci/kfy078>. PubMed PMID: 29596651.
421. Knudsen GA, Hall SM, Richards AC, Birnbaum LS. TBBPA disposition and kinetics in pregnant and nursing Wistar Han IGS rats. *Chemosphere*. 2018;192:5-13. Epub 2017/11/02. doi: <http://dx.doi.org/10.1016/j.chemosphere.2017.10.122>. PubMed PMID: 29091796; PMCID: PMC5696050.
422. Petriello MC, Charnigo R, Sunkara M, Soman S, Pavuk M, Birnbaum LS, Morris AJ, Hennig B. Relationship between serum trimethylamine N-oxide and exposure to dioxin-like pollutants. *Environmental research*. 2018;162:211-8. Epub 2018/01/22. doi: <http://dx.doi.org/10.1016/j.envres.2018.01.007>. PubMed PMID: 29353125; PMCID: PMC5811317.
423. Schecter A, Kincaid J, Quynh HT, Lanceta J, Tran HTT, Crandall R, Shropshire W, Birnbaum LS. Biomonitoring of Metals, Polybrominated Diphenyl Ethers, Polychlorinated Biphenyls, and Persistent Pesticides in Vietnamese Female Electronic Waste Recyclers. *Journal of occupational and environmental medicine*.

- 2018;60(2):191-7. Epub 2017/11/04. doi: <http://dx.doi.org/10.1097/jom.0000000000001200>. PubMed PMID: 29099469.
424. Shipkowski KA, Betz JM, Birnbaum LS, Bucher JR, Coates PM, Hopp DC, MacKay D, Oketch-Rabah H, Walker NJ, Welch C, Rider CV. Naturally complex: Perspectives and challenges associated with Botanical Dietary Supplement Safety assessment. *Food and chemical toxicology: an international journal published for the British Industrial Biological Research Association*. 2018. Epub 2018/04/08. doi: <http://dx.doi.org/10.1016/j.fct.2018.04.007>. PubMed PMID: 29626579.
425. Werder EJ, Gam KB, Engel LS, Kwok RK, Ekenga CC, Curry MD, Chambers DM, Blair A, Miller AK, Birnbaum LS, Sandler DP. Predictors of blood volatile organic compound levels in Gulf coast residents. *Journal of exposure science & environmental epidemiology*. 2018;28(4):358-70. Epub 2017/12/31. doi: <http://dx.doi.org/10.1038/s41370-017-0010-0>. PubMed PMID: 29288257; PMCID: PMC6013310.
426. Yang E, Pavuk M, Sjodin A, Lewin M, Jones R, Olson J, Birnbaum LS. Exposure of dioxin-like chemicals in participants of the Anniston community health survey follow-up. *The Science of the total environment*. 2018;637-638:881-91. Epub 2018/05/16. doi: <http://dx.doi.org/10.1016/j.scitotenv.2018.05.074>. PubMed PMID: 29763869.
427. Behl M, Ryan K, Hsieh J, Parham F, Shapiro A, Collins B, Sipes N, Birnbaum L, Bucher J, Foster P, Walker N, Paules R, Tice R. Screening for Developmental Neurotoxicity at the National Toxicology Program: The Future is Here. *Toxicol Sci*. 2018. doi: <http://dx.doi.org/10.1093/toxsci/kfy278>. PubMed PMID: 30496580.
428. Knudsen GA, Hughes MF, Birnbaum LS. Dermal disposition of Tetrabromobisphenol A Bis(2,3-dibromopropyl) ether (TBBPA-BDBPE) using rat and human skin. *Toxicology letters*. 2019;301:108-13. Epub 2018/11/28. doi: <http://dx.doi.org/10.1016/j.toxlet.2018.11.011>. PubMed PMID: 30481582.
429. Knudsen GA, Trexler AW, Richards AC, Hall SM, Hughes MF, Birnbaum LS. 2,4,6-Tribromophenol disposition and kinetics in rodents: effects of dose, route, sex, and species. *Toxicol Sci* 2019. Epub 2019/02/15. doi: <https://dx.doi.org/10.1093/toxsci/kfz044>. PubMed PMID: 30768125
430. Cannon RE, Trexler AW, Knudsen GA, Evans RA, Birnbaum LS. Tetrabromobisphenol A (TBBPA) Alters ABC Transport at the Blood-Brain Barrier (in press). *Toxicol Sci*. 2019. Epub 2019/03/04. doi: <https://dx.doi.org/10.1093/toxsci/kfz059>. PubMed PMID: 30830211.
431. Rock KD, Gillera SEA, Devarasetty P, Horman B, Knudsen GA, Birnbaum LS, Fenton SE, Patisaul HB. Sex-specific behavioral effects following developmental exposure to tetrabromobisphenol A (TBBPA) in Wistar rats. *Neurotoxicology*. 2019;75:136-47. Epub 2019/09/18. doi: <https://doi.org/10.1016/j.neuro.2019.09.003>. PubMed PMID: 31541695
432. Borghoff SJ, Birnbaum LS. Age-related changes in the metabolism and excretion of allyl isothiocyanate. A model compound for glutathione conjugation. *Drug metabolism and disposition: the biological fate of chemicals*. 1986;14(4):417-22. Epub 1986/07/01. doi: None. PubMed PMID: 2873988.
433. Pittman GS, Wang X, Campbell MR, Coulter SJ, Olson JR, Pavuk M, Birnbaum LS, Bell DA. Polychlorinated biphenyl exposure and DNA methylation in the Anniston Community Health Survey. *Epigenetics*. 2019:1-21. Epub 2019/10/15. doi: <https://www.tandfonline.com/doi/full/10.1080/15592294.2019.1666654> PubMed PMID: 31607210.
434. Trexler AW, Knudsen GA, Nicklisch SCT, Birnbaum LS, Cannon RE. 2,4,6-Tribromophenol Exposure Decreases P-glycoprotein Transport at the Blood-Brain Barrier. *Toxicological sciences : an official journal of the Society of Toxicology*. 2019. Epub 2019/08/02. Doi: <https://academic.oup.com/toxsci/article/171/2/463/5541800>. PubMed PMID: 31368499.

Technical Reports

1. Birnbaum LS. Carcinogenesis bioassay of 1,1,1,2-tetrachloroethane. NTP Technical Reports. 1982; NTP TR 237.
2. Birnbaum LS. Conclusions and Recommendations. Report on Environmental Health in Israel. 2014:89-92.

Book Reviews

1. Birnbaum LS. Mutation and the environment. *Journal of Toxicology and Environmental Health: Part C: Somatic and heritable mutation, adduction, and epidemiology*. 1990:494-6. doi: <https://doi.org/10.1080/15287399109531498>.

Books and Book Chapters

1. Birnbaum LS, editor. Changes in the disposition of two hexachlorobiphenyls in senescent rats. Second Tokyo Symposium on Liver and Aging: Liver and Drugs; 1982 August 18-20, 1982; Tokyo, Japan: Elsevier.
2. Decad GM, Birnbaum LS, Matthews HB. Disposition Of 2,3,7,8-Tetrachlorodibenzofuran In Guinea Pigs, Rats, And Monkeys. In: Hutzinger O, Frei RW, Merian E, Pocchiari F, editors. Chlorinated Dioxins & Related Compounds. Amsterdam: Pergamon; 1982. p. 307-15.
3. Birnbaum LS, Matthews HB. Factors affecting the disposition and persistence of halogenated furans and dioxins. In: Tucker RG, AP; Young, AL, editor. Human and environmental risks of chlorinated dioxins and related compounds. New York: Plenum; 1983. p. 463-75.
4. Birnbaum LS, Sohal RS, Cutler RG. Molecular Biology of Aging: Gene Stability and Gene Expression. New York: Raven Press; 1985. p. 351.
5. Birnbaum LS. Age related changes in drug disposition In: Zenser TVC, RM, editor. Cancer and aging: progress in research and treatment. New York: Springer; 1989. p. 125-38.
6. Goldstein JA, Lin FH, Stohs SJ, Graham M, Clarke G, Birnbaum LS, Lucier G. The Effects Of TCDD On Receptors For Epidermal Growth-Factor, Glucocorticoid, And Estrogen In Ah-Responsive And Ah-Nonresponsive Congenic Mice And The Effects Of TCDD On Estradiol Metabolism In A Liver-Tumor Promotion Model In Female Rats. Stevenson DE, Slaga TJ, Popp JA, Pitot HC, Ward JM, McClain RM, editors. New York: Wiley-Liss, Inc; 1990.
7. Henry C, Birnbaum LS, DeRosa C, Dutton RJ, Miller FW, Rhomberg L, Gerrity TR. Principles of Route-to-Route Extrapolation for Risk Assessment. New York: Elsevier; 1990. p. 322.
8. Birnbaum LS. Developmental toxicity of TCDD and related compounds: species sensitivities and differences. In: Gallo MA, Scheuplein, RJ, Van der Heijden, K, editor. Biological basis for risk assessment of dioxins and related compounds. Plainview, NY: Cold Spring Harbor Laboratory Press; 1991. p. 51-67.
9. Birnbaum LS, McMahon TF. Age related changes in the disposition and metabolism of xenobiotics. In: Cooper RG, JM; Harbin, TJ, editor. Aging and environmental toxicology: biological and behavioral perspectives. Baltimore: Johns Hopkins University; 1991. p. 7-30.
10. Henderson RF, Sabourin PJ, Medinsky MA, Birnbaum LS, Lucier GL. Benzene dosimetry in experimental animals: relevance for risk assessment. In: D'Amato R, editor. Relevance of Animal Studies to the Evaluation of Human Cancer Risk. New York: Wiley-Liss; 1992. p. 93-105.
11. Birnbaum LS. Changes in Cytochrome P450 in Senescence. In: Schenkman J.B. GH, editor. Cytochrome P450.

- Berlin: Springer; 1993. p. 477-89.
12. Birnbaum LS. Basis of altered sensitivity to environmental chemicals. In: Birnbaum LS, Anisimov VN, United Nations Environment Programme, International Labour Organization, World Health Organization, International Program on Chemical Safety, editors. Principles for Evaluating the Effects of Chemicals on the Aged Population. Geneva: World Health Organization; 1993. p. 41-62.
 13. Birnbaum LS, Banks YB. Dermal absorption of TCDD: effect of age. In: Wang RK, JB; Maibach, HI, editor. Health Risk Assessment: Dermal and Inhalation Exposure and Absorption of Toxicants. Boca Raton, FL: CRC Press; 1993. p. 127-34.
 14. Birnbaum LS. Advances In Estimating And Predicting Health Effects From Exposure To Environmental Toxicants. Andrews JS, Frumkin H, Johnson BL, Mehlman MA, Xintaras C, Bucsela JA, editors. Princeton: Princeton Scientific Publ Co; 1994.
 15. Birnbaum LS, DeVito MJ. Toxicology of dioxins and related chemicals. In: Schecter A, editor. Dioxins and Health. Boston: Springer; 1994. p. 139-62.
 16. Birnbaum LS. Human health risk assessment. Environmental science and pollution research international. 1996; 3:125-6.
 17. Birnbaum LS, Abbott BD. Effect of dioxin on growth factor and receptor expression in developing palate. In: Klug S, Thiel R, editors. Methods in Developmental Toxicology and Biology. Oxford: Blackwell Science Publ; 1997. p. 51-63.
 18. Birnbaum LS. Developmental effects of dioxins. In: Korach KS, editor. Reproductive and developmental toxicology. New York: Marcel Dekker; 1998. p. 87-112.
 19. Birnbaum LS, Abbott B. Dioxin and teratogenesis. In: Puga A, Wallace K, editors. Molecular biology of the toxic response. Washington, DC: Taylor & Francis; 1998. p. 439-47.
 20. Nau H, Staats de Yanes G, Birnbaum LS, Eisenbrand G, Hapke H, Kreienbrock L, Taylor S. WHO Consultation on Current Issues in Risk Assessment of Potentially Toxic Substances. Food of Animal Origin, WHO Collaborating Centre for Research and Training in Veterinary Public Health. Hannover, Germany 1998.
 21. Birnbaum LS, Feeley M, DeVito M. Toxicity equivalence factors (TEF_x) for dioxin and related compounds. Health Assessment of 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) and Related compounds 1999. p. 1-52.
 22. Fairbrother A, Ankley GT, Birnbaum LS, Bradbury SP, Francis B, Gray LE, Hinton D, Johnson L, Peterson RE, Van der Kraak G. Reproductive and developmental toxicology of contaminants in oviparous animals. In: DiGiulio RT, Tillitt DE, editors. Reproductive and Developmental Effects of Contaminants in Oviparous Vertebrates: SETAC Press; 1999. p. 283-361.
 23. Birnbaum LS, Fiedler H, Hutzinger O, Louw L, Needham LL, Patterson Jr DG, Vetter W. Halogenated Environmental Organic Pollutants - Dioxin >98 (Special Issue) 2000.
 24. Birnbaum LS, Youssef J, Roberts L, Swift LL, Morrow JD, Badr M. Brain Oxidative stress, senescence and death isoprostanes and neuroprostanes: novel markers and new theories. Antioxidants and Free Radicals in Health and Disease. Scottsdale, Arizona: Prominent Press; 2001. p. 1-17.
 25. Birnbaum LS, Farland W. Health risk characterization of dioxin and related compounds. In: Schecter A, Gasiewicz JA, editors. Dioxins and Health. New York: Wiley; 2003. p. 159-90.

26. Birnbaum LS, Martinez J, M., DeVito M, Walker JN. Toxicology of Dioxins and Dioxin like Compounds. In: Schecter A, Gasiewicz JA, editors. Dioxins and Health. 2nd ed. New York: Wiley; 2003. p. 137-57.
27. Birnbaum LS, Staskal D. Brominated flame retardants. In: Wallace R, editor. Maxcy-Rosenau-Last Public Health and Preventive Medicine. 15th ed. Washington, DC: McGraw-Hill; 2007. p. 685-6.
28. Birnbaum LS. Overview of third biannual international PCB workshop. In: Hansen L, Robertson L, editors. PCBs: Human and Environmental Disposition and Toxicology. Urbana: University of Illinois Press; 2008. p. 1-6.
29. Birnbaum LS, Staskal D, Haws L. Application of a Relative Potency Factor Approach in the Assessment of Health Risks Associated with Exposures to Mixtures of Dioxin-Like Compounds. In: Mumtaz M, editor. Principles and Practice of Mixtures Toxicology: Wiley-VCH Verlag GmbH & Co. KGaA; 2010. p. 67-97.
30. Birnbaum LS, Schecter A, Colacino J. Dioxins: Health Effects. In: Nriagu J, editor. Encyclopedia of Environmental Health. Amsterdam: Elsevier; 2011. p. 93-100.
31. Birnbaum LS, White SS, Fenton SE. Adverse Health Outcomes Caused By Dioxin-Activated AHR in Humans. In: Pohjanvirta R, editor. The AH Receptor in Biology and Toxicology: Wiley & Sons, Inc.; 2011. p. 307-16.
32. Birnbaum LS, Wikoff D, Fitzgerald L. Persistent Organic Pollutants: An Overview. In: Schecter A, editor. Dioxins and Health: Including Other Persistent Organic Pollutants and Endocrine Disruptors. 3rd edition ed: Wiley & Sons; 2012. p. 1-35.
33. Birnbaum LS, DeVito M. Foreword. In: Fowler BA, editor. Computational Toxicology: Methods and Applications for Risk Assessment. San Diego: Academic Press; 2013. p. ix-xiv.
34. Birnbaum LS, DeVito MJ. Persistent organic pollutants and toxic metals in foods Foreword. In: Rose M, Fernandes A, editors. Persistent Organic Pollutants and Toxic Metals in Foods. Cambridge: Woodhead Publ Ltd; 2013. p. XXIII-XXIV.
35. Birnbaum LS, La Merrill M, Taylor KW, Thayer KA. Chemical obsogens and obesity. In: Landrigan PJE, RA, editor. Textbook of Children's Environmental Health: Environmental Influences on Health, Development, and Disease. Cary, NC: Oxford University Press; 2013. p. 333-43.
36. Birnbaum LS, Schug TT. Human Health Effects of Bisphenol A. In: Snedeker SM, editor. Toxicants in Food Packaging and Household Plastics. London: Springer; 2014. p. 1-29.
37. Birnbaum LS. A Curious Mind. Breaking In: Women's Accounts of How Choices Shape STEM Careers. Sterling, VA: Stylus Publishing, LLC; 2015. p. 31-43.
38. Birnbaum LS. Adipose tissue pollutants and obesity. Childhood Obesity eBook: European Childhood Obesity Group; 2015. p. 1-22.

Abstracts

1. Birnbaum LS, Kaplan S. Localization and enrichment of ribosomal RNA cistrons in Escherichia coli. American Society for Microbiology Annual Meeting; May 2-7, 1971; Minneapolis, MN: Abstracts of the Annual Meeting of the American Society for Microbiology; 1971. p. 163.
2. Birnbaum LS, Kaplan S. In vitro transcription of ribosomal RNA genes in Escherichia coli. American Society for Microbiology Annual Meeting; April 23-28, 1972; Philadelphia, PA: Abstracts of the Annual Meeting of the American Society for Microbiology; 1972. p. 161.

3. Baird MB, Massie HR, Birnbaum LS. Decreased rate of hepatic-metabolism of benzo a pyrene in senescent rats. American Association for Cancer Research (AACR) Annual Meeting; May 4-8, 1976; Toronto, Canada: Proceedings of the American Association for Cancer Research; 1976. p. 212.
4. Birnbaum LS, Baird MB. Altered metabolism of carcinogens by senescent rodents. American Aging Association (AGE) Annual Meeting; September 29-October 1, 1977; New York, NY: GeroScience; 1978. p. 71.
5. Birnbaum LS, Baird MB. Senescent alterations in hepatic epoxide metabolism in rodents. Federation of American Societies for Experimental Biology (FASEB) Annual Meeting; April 10-14, 1978; Atlantic City, NJ: Federation proceedings; 1978. p. 888.
6. Baird MB, Birnbaum LS. Vitamin-a inhibits mutagenicity by 2-fluoreneamine in salmonella-typhimurium. Federation of American Societies for Experimental Biology (FASEB) Annual Meeting; April 6-10, 1979; Dallas, TX: Federation proceedings; 1979. p. 701.
7. Birnbaum LS. Enhanced metabolism of 7-ethoxycoumarin in senescent rodents. American Aging Association (AGE) Annual Meeting; September 20-22, 1979; Washington, DC: GeroScience; 1979. p. 125.
8. Birnbaum LS, Baird MB. Senescent changes in mouse hepatic aryl-hydrocarbon hydroxylase. Federation of American Societies for Experimental Biology (FASEB) Annual Meeting; April 6-10, 1979; Dallas, TX: Federation proceedings; 1979. p. 658.
9. Zenser TV, Armbrecht HJ, Birnbaum LS, Mattammal MB, Davis BB. Characterization of renal cytochrome P450 systems. Federation of American Societies for Experimental Biology (FASEB) Annual Meeting; April 1-10, 1979; Dallas, TX: Federation proceedings; 1979. p. 658.
10. Armbrecht HJ, Birnbaum LS, Zenser TV, Davis BB. Changes in hepatic-microsomal membrane fluidity with age. Federation of American Societies for Experimental Biology (FASEB) Annual Meeting; April 13-18, 1980; Anaheim, CA: Federation proceedings; 1980. p. 2099.
11. Birnbaum LS, Decad GM, Matthews HB. Disposition of tetrachlorodibenzofuran in male-rats. Federation of American Societies for Experimental Biology (FASEB) Annual Meeting; April 13-18, 1980; Anaheim, CA: Federation proceedings; 1980. p. 999.
12. Robertson IGC, Birnbaum LS. Changes in mutagen activation with senescence in rat tissues American Aging Association (AGE) Annual Meeting; October 2-4, 1980; Houston, TX: GeroScience; 1980. p. 107.
13. Decad GM, Birnbaum LS, Matthews HB. Disposition of 2,3,7,8-tetrachlorodibenzofuran in mice. Society of Toxicology Annual Meeting; March 1-5, 1981; San Diego, CA: The Toxicologist; 1981. p. 65.
14. Birnbaum LS, Darcey DJ. Disposition of 1,2,3,4,6,7-hezabromonaphthalene in the rat. American College of Toxicology (ACT) Annual Meeting; December, 1982; Washington, DC: International Journal of Toxicology; 1982. p. 128.
15. Dieter MP, Birnbaum LS. Intermediary metabolism in lymphoid components of aging f344 rats. Federation of American Societies for Experimental Biology (FASEB) Annual Meeting; April 15-23, 1982; New Orleans, LA: Federation proceedings; 1982. p. 1673.
16. Birnbaum LS. Changes in the Distribution and Excretion of Two Hexachlorobiphenyls in Senescent Rats. National Institute of Environmental Health Sciences Third Science Seminar; November; Research Triangle Park, NC: Environmental Health Perspectives; 1983. p. 280-1.

17. Birnbaum LS, Matthews HB. Disposition of 4,4'-thio-bis-(6-ter-butyl-m-cresol) in rats. Society of Toxicology Annual Meeting; March 7-11, 1983; Las Vegas, NV: The Toxicologist; 1983. p. 89.
18. Borghoff SJ, Birnbaum LS. Age-related changes in glucuronidation and deglucuronidation in hepatic and extrahepatic tissues of rats. American Aging Association (AGE) Annual Meeting; October 6-9, 1983; Washington, DC: GeroScience; 1983. p. 140.
19. Birnbaum LS, Borghoff SJ. Changes in metabolism and excretion of allyl isothiocyanate in senescent rats. American Aging Association (AGE) Annual Meeting; October 18-20, 1984; New York, NY: GeroScience; 1984. p. 139.
20. Birnbaum LS, Johnson L, Eastin W. Age-related-changes in glucose-absorption. American Aging Association (AGE) Annual Meeting; October 18-20, 1984; New York, NY: GeroScience; 1984. p. 140.
21. Birnbaum LS, Johnson L, Eastin WC. Age-related changes in glucose absorption. American Aging Association (AGE) Annual Meeting; October 18-20, 1984; New York, NY: GeroScience; 1984. p. 140.
22. Birnbaum LS, L. J. Disposition of benzo(f)quinoline in rats. Society of Toxicology Annual Meeting; March 12-16, 1984; Atlanta, GA: The Toxicologist; 1984. p. 98.
23. Borghoff SJ, Birnbaum LS. Changes in glucuronidation and deglucuronidation in hepatic and extrahepatic tissues of aging rats. Society of Toxicology Annual Meeting; March 12-16, 1984; Atlanta, GA: The Toxicologist; 1984. p. 99.
24. Borghoff SJ, Birnbaum LS. Changes in metabolism and excretion of allyl isothiocyanate in senescent rats. American Aging Association (AGE) Annual Meeting; October 18-20, 1984; New York, NY: GeroScience; 1984. p. 139.
25. Deskind R, Grumbein SL, Kurtz P, Peters AC, Birnbaum LS. Prechronic toxicity evaluation of O-benzyl-p-chlorophenol: comparison between F344 rats and B6C3F1 mice. Society of Toxicology Annual Meeting; March 12-16, 1984; Atlanta, GA: The Toxicologist; 1984. p. 176.
26. Dutcher JS, Medinsk MA, Bond JA, Cheng YS, Snipes MB, F. HR, Birnbaum LS. Effect of vapor concentration on the disposition of inhaled 2,3-dichloropropene in Fischer-344 rats. Society of Toxicology Annual Meeting; March 12-16, 1984; Atlanta, GA: The Toxicologist; 1984. p. 4.
27. Muni IA, Mansur CA, Birnbaum LS. 14-day dose-feed toxicity study of 4,4-thiobis (6-tert-butyl-meta-cresol) in rats and mice. American Chemical Society (ACS) National Meeting; April 8-13, 1984; St. Louis, MO: Abstracts of Papers of the American Chemical Society (ACS); 1984. p. 53-MEDI.
28. Birnbaum LS, Harris MW, Miller CP, Pratt RC, Lamb JC. Teratogenicity of TCDD in mice: enhancement by hydrocortisone. Society of Toxicology Annual Meeting; March 18-22, 1985; San Diego, CA: The Toxicologist; 1985. p. 201.
29. Bond JA, Dutcher JS, Medinsky MA, Henderson RF, Birnbaum LS. Metabolism and disposition of ¹⁴C-methyl bromide in Fischer-344 rats after inhalation. Society of Toxicology Annual Meeting; March 18-22, 1985; San Diego, CA: The Toxicologist; 1985. p. 73.
30. Borghoff SJ, Birnbaum LS. Age-related changes in the metabolism and excretion of allyl isothiocyanate. Society of Toxicology Annual Meeting; March 18-22, 1985; San Diego, CA: The Toxicologist; 1985. p. 239.

31. Dutcher JS, Bond JA, Henderson RF, Birnbaum LS. Effect of concentration on the disposition of inhaled C-methyl bromide in Fischer-344 rats after inhalation. Society of Toxicology Annual Meeting; March 18-22, 1985; San Diego, CA: The Toxicologist; 1985. p. 73.
32. Eastin WC, Birnbaum LS. Age-related changes in intestinal transport. Society of Toxicology Annual Meeting; March 18-22, 1985; San Diego, CA: The Toxicologist; 1985. p. 160.
33. Kao LR, Birnbaum LS. Disposition of O-benzyl-p- chlorophenol in rats. Society of Toxicology Annual Meeting; March 18-22, 1985; San Diego, CA: The Toxicologist; 1985. p. 239.
34. Miller CP, Harris MW, Birnbaum LS. Teratogenicity of hexabrominated naphthalene, a toxic contaminant of polybrominated biphenyls, in C57B1/6N mice. Society of Toxicology Annual Meeting; March 18-22, 1985; San Diego, CA: The Toxicologist; 1985. p. 122.
35. Birnbaum LS, Couture LA. Disposition of octachlorodibenzo-p-dioxin (OCDD) in Rats. Society of Toxicology Annual Meeting; March 3-7, 1986; New Orleans, LA: The Toxicologist; 1986. p. 310.
36. Bond JA, Dahl AR, Henderson RF, Birnbaum LS, Dutcher JS, Mauderly JL. Species differences in the disposition and metabolism of inhaled butadiene. Society of Toxicology Annual Meeting; March 3-7, 1986; New Orleans, LA: The Toxicologist; 1986. p. 56.
37. Borghoff SJ, Birnbaum LS. Alterations in glucuronidation with age in vivo and in vitro using 4,4'-thiobis (6-t-butyl-m-cresol) as a model compound. Society of Toxicology Annual Meeting; March 3-7, 1986; New Orleans, LA: The Toxicologist; 1986. p. 147.
38. Chang MJW, Hejtmancik MR, Peters AC, Birnbaum LS. Effects of o-benzyl-p-chlorophenol (BCP) on porphyrin excretion in F344 rats. Society of Toxicology Annual Meeting; March 3-7, 1986; New Orleans, LA: The Toxicologist; 1986. p. 313.
39. Dahl AR, Bond JA, Henderson RF, Birnbaum LS. Studies on the fate of inhaled isoprene (2-methyl-1,3-butadiene) in rats may predict its toxicity. Society of Toxicology Annual Meeting; March 3-7, 1986; New Orleans, LA: The Toxicologist; 1986. p. 57.
40. Hebert CD, Birnbaum LS. Age-related changes in TCDD Absorption. Society of Toxicology Annual Meeting; March 3-7, 1986; New Orleans, LA: The Toxicologist; 1986. p. 310.
41. Mansur CA, Muni IA, Birnbaum LS. Prechronic dose feed toxicity studies of 4,4'-thiobis-(6-t-butyl-m-cresol) in rats and mice. Society of Toxicology Annual Meeting; March 3-7, 1986; New Orleans, LA: The Toxicologist; 1986. p. 300.
42. Mewhinney JA, Ayres PH, Bechtold WE, Dutcher JS, Cheng YS, Bond JA, Medinsky MA, Henderson RF, Birnbaum LS. The fate of inhaled azodicarbonamine in rats. Society of Toxicology Annual Meeting; March 3-7, 1986; New Orleans, LA: The Toxicologist; 1986. p. 56.
43. Sabourin PJ, Chen BT, Henderson RF, Lucier G, Birnbaum LS. Effect of dose on absorption and excretion of ¹⁴C-benzene administered orally or by inhalation. Society of Toxicology Annual Meeting; March 3-7, 1986; New Orleans, LA: The Toxicologist; 1986. p. 163.
44. Tomaszewski K, Harrington F, Greenwell A, Rahn C, Moore J, Birnbaum L, Melnick RL. Interactive effects of Di(2-ethylhexyl)phthalate (DEHP) and 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) on lipid metabolism in F344 rats. Society of Toxicology Annual Meeting; March 3-7, 1986; New Orleans, LA: The Toxicologist; 1986. p. 44.

45. Abbott BD, Birnbaum LS, Pratt RM. TCDD effects the basal lamina and extracellular matrix of the fetal mouse kidney. Society of Toxicology Annual Meeting; February 23-27, 1987; Washington, DC: The Toxicologist; 1987. p. 124.
46. Abbott BD, Birnbaum LS, Pratt RM. TCDD produces hydronephrosis in fetal mice by inducing hyperplasia of the ureteric epithelium. Society of Toxicology Annual Meeting; February 23-27, 1987; Washington, DC: The Toxicologist; 1987. p. 124.
47. Birnbaum LS, Harris MW, Morrissey RE. Additive teratogenic effects of polychlorinated dibenzofurans (PCDFS). Society of Toxicology Annual Meeting; February 23-27, 1987; Washington, DC: The Toxicologist; 1987. p. 159.
48. Birnbaum LS, Harris MW, Morrissey RE. Teratogenicity of polychlorinated dibenzofurans (pcdfs) in mice. Conference Commemorating the Twentieth Anniversary of the National Institute of Environmental Health Sciences (NIEHS) and the Centennial of the National Institutes of Health (NIH); December 3-5, 1986; Research Triangle Park, NC: Environmental Health Perspectives; 1987. p. 147.
49. Bond JA, Sabourin PJ, Dahl AR, Birnbaum LS, Henderson RF. Disposition and metabolism of inhaled 1-chloro-2-propanol in rats. Society of Toxicology Annual Meeting; February 23-27, 1987; Washington, DC: The Toxicologist; 1987. p. 30.
50. Borghoff SJ, Birnbaum LS. Glucuronidation changes with age measured both in vivo and in vitro using 4,4'-thiobis(6-tert-butyl-meta-cresol) as a model-compound. Conference Commemorating the Twentieth Anniversary of the National Institute of Environmental Health Sciences (NIEHS) and the Centennial of the National Institutes of Health (NIH); December 3-5, 1986; Research Triangle Park, NC: Environmental Health Perspectives; 1987. p. 147.
51. Borghoff SJ, Stefanski SA, Birnbaum LS. Alterations in glucuronidation and toxicity with age using 4,4'-thiobis(6-t-butyl-m-cresol) (TBBC) as a model compound. Society of Toxicology Annual Meeting; February 23-27, 1987; Washington, DC: The Toxicologist; 1987. p. 119.
52. Brewster DW, Birnbaum LS. 2,3,4,7,8-pentachlorodibenzofuran (pcdf) - toxicokinetics and metabolism in the rat. Conference Commemorating the Twentieth Anniversary of the National Institute of Environmental Health Sciences (NIEHS) and the Centennial of the National Institutes of Health (NIH); December 3-5, 1986; Research Triangle Park, NC: Environmental Health Perspectives; 1987. p. 147-8.
53. Brewster DW, birnbaum LS. 2, 3, 4, 7, 8-Pentachlorodibenzofuran (PCDF): Toxicokinetics and metabolism in the rat. Society of Toxicology Annual Meeting; February 23-27, 1987; Washington, DC: The Toxicologist; 1987.
54. Brewster DW, Birnbaum LS. Toxicity and disposition of 2,3,4,7,8-pentachlorodibenzofuran (PCDF) in the rhesus monkey. Society of Toxicology Annual Meeting; February 23-27, 1987; Washington, DC: The Toxicologist; 1987. p. 160.
55. Couture LA, Birnbaum LS. Evaluation of subchronic exposure to octachlorodibenzodioxin (OCDD). Society of Toxicology Annual Meeting; February 23-27, 1987; Washington, DC: The Toxicologist; 1987. p. 161.
56. Diliberto JJ, Usha G, Birnbaum LS. Citral: Model for terpene disposition in rats. Society of Toxicology Annual Meeting; February 23-27, 1987; Washington, DC: The Toxicologist; 1987. p. 237.
57. Medinsky MA, Bechtold WE, Birnbaum LS, Chico DM, Henderson RF, Gerlach RF. Uptake of vinylidene fluoride (VDF) in rats simulated by a physiological model. Society of Toxicology Annual Meeting; February 23-27, 1987; Washington, DC: The Toxicologist; 1987. p. 32.

58. Ryan RP, Nelson KG, Lucier GW, Birnbaum LS, Sunahara GI. 2,3,4,7,8-Pentachlorodibenzofuran and 1,2,3,4,7,8-hexachlorodibenzo-furan decrease glucocorticoid receptor binding in mouse liver and placental cytosol. Society of Toxicology Annual Meeting; February 23-27, 1987; Washington, DC: The Toxicologist; 1987. p. 125.
59. Sabourin PJ, Bechtold WE, Birnbaum LS, Lucier GW, Henderson RF. Water-soluble benzene metabolites in F344/N rats and B6C3F mice during and following 3H-benzene inhalation. Society of Toxicology Annual Meeting; February 23-27, 1987; Washington, DC: The Toxicologist; 1987. p. 232.
60. Usha G, Diliberto JJ, Birnbaum LS. Distribution and excretion of 3,7-dimethyl-2,6-octadienal (citral) in rats. Society of Toxicology Annual Meeting; February 23-27, 1987; Washington, DC: The Toxicologist; 1987. p. 120.
61. Abbott BD, Birnbaum LS. Mechanism of TCDD-induced ureteric epithelial hyperplasia. Joint Meeting of the American Society for Cell Biology and the American Society for Biochemistry and Molecular Biology; January 29 - February 2, 1989; San Francisco, CA: Journal of Cell Biology; 1988. p. 696a.
62. Abbott BD, Birnbaum LS. TCDD AND RETINOIC ACID BOTH ALTER EPITHELIAL EGF RECEPTOR EXPRESSION DURING PALATOGENESIS. Teratology Society Annual Meeting; June 12-15, 1988; Parl Beach, FL: Teratology; 1988. p. 443.
63. Banks-Case YB, Brewster DW, Birnbaum LS. Dermal absorption of polychlorinated dibenzofurans (PCDFs) and TCDD. Society of Toxicology Annual Meeting; February 15-19, 1988; Dallas, TX: The Toxicologist; 1988. p. 124.
64. Birnbaum LS, Harris MW, Morrissey RE. Selective enhancement of teratogenicity in mice by TCDD and vitamin A (RA). Society of Toxicology Annual Meeting; February 15-19, 1988; Dallas, TX: The Toxicologist; 1988. p. 90.
65. Brewster DW, Harris MW, Birnbaum LS. Toxicity of perfluorodecanoic acid (PFDA) is unlike that of TCDD. Society of Toxicology Annual Meeting; February 15-19, 1988; Dallas, TX: The Toxicologist; 1988. p. 99.
66. Couture LA, Harris MW, Birnbaum LS. Teratogenicity of 2,3,4,7,8-pentachlorodibenzofuran (4-PeCDF) in F344 rats. Society of Toxicology Annual Meeting; February 15-19, 1988; Dallas, TX: The Toxicologist; 1988. p. 98.
67. Diliberto JJ, Usha G, Burka LT, Birnbaum LS. Biotransformation of citral in rats. Society of Toxicology Annual Meeting; February 15-19, 1988; Dallas, TX: The Toxicologist; 1988. p. 208.
68. Harris M, Birnbaum LS. Teratologic evaluation of perfluorodecanoic acid (PFDA) in C57BL/6N mice. Society of Toxicology Annual Meeting; February 15-19, 1988; Dallas, TX: The Toxicologist; 1988. p. 99.
69. Hebert CD, Birnbaum LS. Response of human squamous-cell carcinoma-cells to transforming growth-factor beta (tgf-beta). Federation of American Societies for Experimental Biology (FASEB) Annual Meeting; May 1-5, 1988; Las Vegas, NV: Federation proceedings; 1988. p. A1009.
70. Hejtmancik MR, Ryan M, Peters AC, Eastin WC, Birnbaum LS. Dermal initiation/promotion study of o-benzyl-p-chlorophenol in Swiss CD-1 mice. Society of Toxicology Annual Meeting; February 15-19, 1988; Dallas, TX: The Toxicologist; 1988. p. 161.
71. Lin FS, Stohs S, Birnbaum LS, Lucier GW, Goldstein JA. Decreases in hepatic glucocorticoid (gcr) and epidermal growth-factor (EGF) receptor-binding in mouse-liver after treatment with 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD). Federation of American Societies for Experimental Biology (FASEB) Annual Meeting; May 1-5, 1988; Las Vegas, NV: Federation proceedings; 1988. p. A375.

72. Medinsky MA, Sabourin PJ, Henderson RF, Lucier GW, Birnbaum LS. Insight into the interspecies differences in benzene toxicity provided by a physiological model. Society of Toxicology Annual Meeting; February 15-19, 1988; Dallas, TX: The Toxicologist; 1988. p. 156.
73. Sabourin PJ, Birnbaum LS, Lucier GW, Henderson RF. Metabolism of 3H-benzene in F344/N rats and B6C3F mice: species and dose effect. Society of Toxicology Annual Meeting; February 15-19, 1988; Dallas, TX: The Toxicologist; 1988. p. 70.
74. Sun JD, Dahl AR, Bond JA, Henderson RF, Birnbaum LS. Characterization of 14C-Butadiene adduct formation to hemoglobin in mice and rats. Society of Toxicology Annual Meeting; February 15-19, 1988; Dallas, TX: The Toxicologist; 1988. p. 215.
75. Abbott BD, Birnbaum LS. Effects of retinoic acid on TGF α and TGF β in embryonic palatal cells varies with developmental stage. American Society for Cell Biology Annual Meeting; November 5-9, 1989; Houston, TX: Journal of Cell Biology; 1989. p. 245s.
76. Abbott BD, Diliberto JJ, Birnbaum LS. TCDD alters embryonic palatal cell differentiation in vitro. Society of Toxicology Annual Meeting; February 27-March 3, 1989; Atlanta, GA: The Toxicologist; 1989. p. 33.
77. Banks YB, Brewster DW, Birnbaum LS. Age-related changes in dermal absorption of TCDD and 2,3,4,7,8-pentachlorodibenzofuran (4PeCDF). Society of Toxicology Annual Meeting; February 27-March 3, 1989; Atlanta, GA: The Toxicologist; 1989. p. 118.
78. Couture LA, Harris MW, Birnbaum LS. Characterization of TCDD-induced hydronephrosis relative to cleft palate in C57BL/6N mice. Society of Toxicology Annual Meeting; February 27-March 3, 1989; Atlanta, GA: The Toxicologist; 1989. p. 117.
79. Diliberto JJ, Srinivas P, Burka LT, Birnbaum LS. In vivo metabolism of Cis and Trans 3,7-dimethyl-2,6-octadienal (Citral) in rats. Society of Toxicology Annual Meeting; February 27-March 3, 1989; Atlanta, GA: The Toxicologist; 1989. p. 87.
80. Harris MW, Stocking LM, Morrissey RE, Clark AM, Birnbaum LS. TCDD and Retinoic Acid (RA) interact synergistically in Cleft Palate (CP) induction in mice. Society of Toxicology Annual Meeting; February 27-March 3, 1989; Atlanta, GA: The Toxicologist; 1989. p. 116.
81. Hebert CD, Harris MW, Elwell MR, Birnbaum LS. Comparative toxicity of chlorinated dibenzodioxins and dibenzofurans. Society of Toxicology Annual Meeting; February 27-March 3, 1989; Atlanta, GA: The Toxicologist; 1989. p. 117.
82. Hejtmancik MR, Ryan M, Peters AC, Birnbaum LS. Chronic toxicity studies of o-benzyl-p-chlorophenol in F344 rats and B6C3F1 mice. Society of Toxicology Annual Meeting; February 27-March 3, 1989; Atlanta, GA: The Toxicologist; 1989. p. 211.
83. Henderson RF, Sun JD, Dahl AR, Sabourin PJ, Bond JA, Lucier GW, Birnbaum LS. Hemoglobin adducts reflect exposure but not toxicity in rodents treated with butadiene, isoprene, or benzene. Society of Toxicology Annual Meeting; February 27-March 3, 1989; Atlanta, GA: The Toxicologist; 1989. p. 281.
84. Lin FH, Stohs S, Birnbaum LS, Clark G, Lucier GW, Goldstein JA. Role of the Ah locus in the regulation of the effects of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) on epidermal growth factor (EGFR), glucocorticoid (GCR), and estrogen (ER) receptors in mouse liver. Society of Toxicology Annual Meeting; February 27-March 3, 1989; Atlanta, GA: The Toxicologist; 1989. p. 116.

85. McMahon TF, Diliberto JJ, Birnbaum LS. Age related changes in disposition of benzyl acetate (BA): a model compound for glycine conjugation. Society of Toxicology Annual Meeting; February 27-March 3, 1989; Atlanta, GA: The Toxicologist; 1989. p. 88.
86. McMahon TF, Diliberto JJ, Birnbaum LS. Age related changes in metabolism and disposition of salicylic acid (SAL) in male Fischer 344 rats. American Aging Association (AGE) Annual Meeting; October 4-7, 1989; Washington, DC: GeroScience; 1989. p. 147.
87. Medinsky MA, Sabourin PJ, Lucier G, Birnbaum LS, Henderson RF. A toxikinetik model for simulation of benzene metabolism. Experimental Pathology; 1989. p. 150-4.
88. Medinsky MA, Singh G, Bechtold WE, Bond JA, Sabourin PJ, Birnbaum LS, Henderson RF. Disposition of three glycol administered in drinking water to male F344/N rats. Society of Toxicology Annual Meeting; February 27-March 3, 1989; Atlanta, GA: The Toxicologist; 1989. p. 85.
89. Sabourin PJ, Sun JD, Birnbaum LS, Lucier G, Henderson RF. Effect of repeated benzene inhalation exposures on subsequent metabolism of benzene. Experimental Pathology; 1989. p. 155-7.
90. Sabourin PJ, Sun JD, Birnbaum LS, Lucier GW, Henderson RF. Effect of repeated benzene inhalation exposures on subsequent metabolism of benzene. Society of Toxicology Annual Meeting; February 27-March 3, 1989; Atlanta, GA: The Toxicologist; 1989. p. 282.
91. Stohs SJ, Abbott BD, Lin FS, Birnbaum LS. Biochemical effects of TCDD in skin and liver of HRS/J mice. Society of Toxicology Annual Meeting; February 27-March 3, 1989; Atlanta, GA: The Toxicologist; 1989. p. 117.
92. Sun JD, Dahl AR, Bond JA, Birnbaum LS, Henderson RF. Metabolism of inhaled butadiene in monkeys: comparison to rodents. Society of Toxicology Annual Meeting; February 27-March 3, 1989; Atlanta, GA: The Toxicologist; 1989. p. 284.
93. Sun JD, Dahl AR, Bond JA, Birnbaum LS, Henderson RF. Metabolism of inhaled butadiene to monkeys: comparison to rodents. Experimental Pathology; 1989. p. 133-5.
94. Abbott B, Birnbaum LS. TGF- β 1 & EGF expression increases in palatal epithelia exposed to hydrocortisone (HC) and HC + TCDD. American Society for Cell Biology Annual Meeting; December 9-13, 1990; San Diego, CA: Journal of Cell Biology; 1990. p. 348a.
95. Abbott BD, Birnbaum LS. Interspecies sensitivity to TCDD examined using embryonic palatal organ culture. Society of Toxicology Annual Meeting; February 12-16, 1990; Miami Beach, FL: The Toxicologist; 1990. p. 314.
96. Abbott BD, Birnbaum LS. Interspecies sensitivity to TCDD examined with embryonic palatal organ culture. Dioxin Symposium; September 10-14, 1990; Bayreuth, Germany: Organohalogen Compounds; 1990. p. 165-7.
97. Banks YB, Birnbaum LS. Finite dermal absorption after low dose TCDD exposure. Society of Toxicology Annual Meeting; February 12-16, 1990; Miami Beach, FL: The Toxicologist; 1990. p. 309.
98. Bechtold WE, Lucier GW, Birnbaum LS, Yin SN, Li GL, Henderson RF. Determination of muconic acid in the urine of workers occupationally exposed to benzene as a biological exposure index. Society of Toxicology Annual Meeting; February 12-16, 1990; Miami Beach, FL: The Toxicologist; 1990. p. 280.
99. Birnbaum LS. Metabolism of xenobiotics in aging & carcinogenesis. World Cancer Congress; August 16-22, 1990; Hamburg, Germany: Union for International Cancer Control (UICC) 1990. p. 1055.

100. Birnbaum LS, McMahon TF, Diliberto JJ. Age-related changes in metabolism and disposition of salicylic acid (SAL) in male Fischer 344 rats. Society of Toxicology Annual Meeting; February 12-16, 1990; Miami Beach, FL: The Toxicologist; 1990. p. 238.
101. Couture LA, Harris MW, Clark AM, Birnbaum LS. Persistence of hydronephrosis in mice following in utero and/or lactational exposure to 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD). Society of Toxicology Annual Meeting; February 12-16, 1990; Miami Beach, FL: The Toxicologist; 1990. p. 313.
102. Diliberto JJ, Kedderis LB, Birnbaum LS. Absorption of 2,3,7,8-tetrabromodibenzodioxin (TBDD) in male rats. Society of Toxicology Annual Meeting; February 12-16, 1990; Miami Beach, FL: The Toxicologist; 1990. p. 54.
103. Diliberto JJ, Kedderis LB, Birnbaum LS. Acute oral exposure to 2,3,7,8-tetrabromodibenzo-p-dioxin (TBDD). Dioxin Symposium; September 10-14, 1990; Bayreuth, Germany: Organohalogen Compounds; 1990. p. 309-11.
104. Freeman GB, Trejo R, Hejtmancik MR, Peters AC, Kurtz P, Birnbaum LS. Neurobehavioral evaluation of exposure to 4,4'-thiobis-(6-t-butyl-m-cresol) in Fischer 344 rats. Society of Toxicology Annual Meeting; February 12-16, 1990; Miami Beach, FL: The Toxicologist; 1990. p. 304.
105. Harris MW, Allen JD, Haskins EA, Morrissey RM, Birnbaum LS. Developmental toxicity of brominated dibenzodioxin and furans in mice. Society of Toxicology Annual Meeting; February 12-16, 1990; Miami Beach, FL: The Toxicologist; 1990. p. 313.
106. Hebert CD, Birnbaum LS. Role of transforming growth factor- β in TCDD changes in growth of epithelial cells. Society of Toxicology Annual Meeting; February 12-16, 1990; Miami Beach, FL: The Toxicologist; 1990. p. 312.
107. Henderson RF, Bond JA, Bechtold WE, Sun JD, Birnbaum LS, Dahl AR, Medinsky MA. Disposition of inhaled isoprene in B6C3F1 mice. Society of Toxicology Annual Meeting; February 12-16, 1990; Miami Beach, FL: The Toxicologist; 1990. p. 216.
108. Jackson JA, Banks YB, Birnbaum LS. Maximum dermal absorption of TCDD occurs in weanling rats. Society of Toxicology Annual Meeting; February 12-16, 1990; Miami Beach, FL: The Toxicologist; 1990. p. 309.
109. Kedderis LB, Diliberto JJ, Birnbaum LS. Disposition of intravenous 2,3,7,8-tetrabromodibenzodioxin (TBDD) in rats. Society of Toxicology Annual Meeting; February 12-16, 1990; Miami Beach, FL: The Toxicologist; 1990. p. 310.
110. Lin FH, Clark G, Stohs S, Birnbaum LS, Lucier G, Goldstein JA. The Ah locus mediates the effects of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) on epidermal growth factor receptor (EGFR) binding through a mechanism which does not involve EGFR in RNA. Society of Toxicology Annual Meeting; February 12-16, 1990; Miami Beach, FL: The Toxicologist; 1990. p. 31.
111. McMahon TF, Birnbaum LS. Age-related changes in biotransformation and toxicity of potassium cyanide (KCN) in male C57BL/6N mice. Society of Toxicology Annual Meeting; February 12-16, 1990; Miami Beach, FL: The Toxicologist; 1990. p. 326.
112. Monteiro-Riviere NA, Banks YB, Birnbaum LS. Laser doppler measurements of cutaneous blood flow in aging mice and rats. Society of Toxicology Annual Meeting; February 12-16, 1990; Miami Beach, FL: The Toxicologist; 1990. p. 151.
113. Sabourin PJ, Medinsky MA, Birnbaum LS, Thurmond F, Henderson RF. Dermal absorption and disposition of methoxy- (ME), ethoxy- (EE), and butoxy-[U-14C] ethanol (BE). Society of Toxicology Annual Meeting; February 12-16, 1990; Miami Beach, FL: The Toxicologist; 1990. p. 236.

114. Stefanski SA, McMahon TF, Wilson RE, Blair PC, Clark AM, Birnbaum LS. Enzymuria as an indicator of toxicity after administration of salicylic acid (SAL), 2,3-dihydroxybenzoic acid (2,3-DiOH) and 2,5-dihydroxybenzoic acid. Society of Toxicology Annual Meeting; February 12-16, 1990; Miami Beach, FL: The Toxicologist; 1990. p. 268.
115. Badr MZ, Birnbaum LS. Selective induction of peroxisomal enzyme activities by perfluorooctanoic acid (PFOA) in aged rats. Society of Toxicology Annual Meeting; February 12-16, 1990; Miami Beach, FL: The Toxicologist; 1991. p. 187.
116. Banks YB, Birnbaum LS. Kinetics of 2,3,7,8-Tetrachlorodibenzofuran (TCDF) after low dose dermal exposure. Society of Toxicology Annual Meeting; February 12-16, 1990; Miami Beach, FL: The Toxicologist; 1991. p. 270.
117. Diliberto JJ, Jackson JA, Birnbaum LS. Acute pulmonary absorption of 2,3,7,8-tetrabromodibenzo-p-dioxin (TBDD) in rats. Society of Toxicology Annual Meeting; February 12-16, 1990; Miami Beach, FL: The Toxicologist; 1991. p. 272.
118. Jackson JA, Diliberto JJ, Kedderis LB, Birnbaum LS. Dermal absorption and disposition of 2,3,7,8-tetrabromodibenzo-p-dioxin (TBDD) in rats. Society of Toxicology Annual Meeting; February 12-16, 1990; Miami Beach, FL: The Toxicologist; 1991. p. 270.
119. Kedderis LB, Diliberto JJ, Birnbaum LS. Biliary excretion of 2,3,7,8-tetrabromodibenzo-p-dioxin (TBDD) and 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) metabolites in rats. Society of Toxicology Annual Meeting; February 12-16, 1990; Miami Beach, FL: The Toxicologist; 1991. p. 272.
120. Kedderis LB, Diliberto JJ, Jackson JA, Linko P, Goldstein JA, Birnbaum LS. Effects of dose and route of exposure on dioxin disposition. International Symposium on Chlorinated Dioxins and Related Compounds; September 23-27, 1991; Research Triangle Park, NC: Chemosphere; 1991. p. 7-10.
121. McMahon TF, Birnbaum LS. Age-related changes in disposition and metabolism in benzene in male C57BL/CN mice. Society of Toxicology Annual Meeting; February 12-16, 1990; Miami Beach, FL: The Toxicologist; 1991. p. 92.
122. Medinsky MA, McMahon TF, Birnbaum LS. Age-related changes in benzene metabolism in C57BL/6N mice described by a physiologically based pharmacokinetic model. Society of Toxicology Annual Meeting; February 12-16, 1990; Miami Beach, FL: The Toxicologist; 1991. p. 181.
123. Shyr LJ, Sabourin PJ, Medinsky MA, Birnbaum LS, Henderson RF. The development of a physiologically based pharmacokinetic model for 2-butoxyethanol metabolism rats following different routes of exposure. Society of Toxicology Annual Meeting; February 12-16, 1990; Miami Beach, FL: The Toxicologist; 1991. p. 35.
124. Abbott BD, Diliberto JJ, Birnbaum LS. Mechanisms of TCDD-induction of cleft palate: insights from invivo and invitro approaches. International Symposium on Chlorinated Dioxins and Related Compounds; September 23-27, 1991; Research Triangle Park, NC: Chemosphere; 1992. p. 75-8.
125. Abbott BD, Diliberto JJ, Birnbaum LS. Glucocorticoid receptor involvement in embryonic mouse palatal response to TCDD and hydrocortisone. American Society for Cell Biology (ASCB) Annual Meeting; November 15-19, 1992; Denver, CO: Molecular Biology of the Cell; 1992. p. A143-A.
126. Birnbaum L. Role of toxicokinetics in the design and interpretation of risk assessment studies. International Society for the Study of Xenobiotics (ISSX) Annual Meeting; July 3-6, 1992; Bologna, Italy: International Society for the Study of xenobiotics; 1992. p. 123.

127. Birnbaum LS. EPA's reassessment of dioxin risk: directed health research. Dioxin Symposium; August 24-28, 1992; Tampere, Finland: Organohalogen Compounds; 1992. p. 287-90.
128. Birnbaum LS. The mechanism of dioxin toxicity: relationship to risk assessment. International Society for the Study of Xenobiotics (ISSX); July 3-6, 1992; Bologna, Italy 1992. p. 157-67.
129. DeVito MJ, Diliberto JJ, Birnbaum LS. Comparative ability of TCDD to induced hepatic and skin cytochrome P450 1A1 activity following 13 weeks of treatment. Dioxin Symposium; August 24-28, 1992; Tampere, Finland: Organohalogen Compounds; 1992. p. 41-4.
130. Diliberto JJ, Jackson JA, Birnbaum LS. Disposition and absorption of intratracheal, oral, and intravenous 3HTCDD in male Fischer rats. Society of Toxicology Annual Meeting; February 23-27, 1992; Seattle, WA: The Toxicologist; 1992. p. 79.
131. Diliberto JJ, Jackson JA, Birnbaum LS. Effects of exposure route on absorption, distribution, and elimination of 3HTCDD in rats. Dioxin Symposium; August 24-28, 1992; Tampere, Finland: Organohalogen Compounds; 1992. p. 45-8.
132. Henderson RF, Sabourin PJ, Muggenburg BA, Couch RC, Birnbaum LS, Lucier GW. Metabolism of benzene by nonhuman primates. Society of Toxicology Annual Meeting; February 23-27, 1992; Seattle, WA: The Toxicologist; 1992. p. 219.
133. Hughes MF, Fisher HL, Birnbaum LS, Hall LL. In vitro dermal absorption of p-substituted phenols in mice: effect of age. Society of Toxicology Annual Meeting; February 23-27, 1992; Seattle, WA: The Toxicologist; 1992. p. 113.
134. Jackson JA, Diliberto JJ, Birnbaum LS. Estimation of octanol-water partition coefficients and correlation with dermal absorption for several polyhalogenated dibenzo-p-dioxins and dibenzofurans. Society of Toxicology Annual Meeting; February 23-27, 1992; Seattle, WA: The Toxicologist; 1992. p. 116.
135. Kedderis L, Birnbaum LS. Biliary excretion and hepatic disposition of TCDD in rats. Society of Toxicology Annual Meeting; February 23-27, 1992; Seattle, WA: The Toxicologist; 1992. p. 78.
136. Kedderis LB, Mills JJ, Anderson ME, Birnbaum LS. A physiologically based pharmacokinetic model for 2,3,7,8-tetrabromodibenzo-p-dioxin (TBDD) in the rat. Dioxin Symposium; August 24-28, 1992; Tampere, Finland: Organohalogen Compounds; 1992. p. 113-6.
137. McKinley MK, Kedderis LB, Birnbaum LS. 2,3,7,8-tetrachlorodibenzo dioxin (TCDD) pretreatment of male fischer rats alters the hepatic metabolism of 3,3',4,4'-tetrachlorobiphenyl (TCB). Society of Toxicology Annual Meeting; February 23-27, 1992; Seattle, WA: The Toxicologist; 1992. p. 65.
138. Mills JJ, Kedderis LB, Birnbaum LS, Andersen ME. Toxicokinetics of 2,3,7,8-TCDD (dioxin) and related compounds. Dioxin Symposium; August 24-28, 1992; Tampere, Finland: Organohalogen Compounds; 1992. p. 153-6.
139. Pegram RA, Diliberto JJ, Leavans TL, Gao P, Birnbaum LS. Comparative induction of cytochrome P4501A1 by 2,3,7,8-tetrachlorodibenzo-p-dioxins (TCDD) and tissue distribution of TCDD in young and senescent C57BL/6N mice. Society of Toxicology Annual Meeting; February 23-27, 1992; Seattle, WA: The Toxicologist; 1992. p. 78.
140. Abbott B, Diliberto JJ, Birnbaum LS. TCDD alters expression of glucocorticoid receptor in embryonic mouse palate. Society of Toxicology Annual Meeting; March 14-18, 1993; New Orleans, LA: The Toxicologist; 1993. p. 103.

141. Abbott BD, Perdeu GH, Diliberto JJ, Birnbaum LS. Ah receptor expression in embryonic palate exposed to TCDD. Dioxin Symposium; September 20-24, 1993; Vienna, Austria: Organohalogen Compounds; 1993. p. 333-6.
142. Andersen ME, Birnbaum LS, Conolly RB, Mills JJ. Tumor promotion, growth factors and dioxin risk assessments. Dioxin Symposium; September 20-24, 1993; Vienna, Austria: Organohalogen Compounds; 1993. p. 31-4.
143. Andersen ME, Mills JJ, Birnbaum LS, Conolly RB. Stochastic dose-response modeling of hepatic promotion by dioxin. Society of Toxicology Annual Meeting; March 14-18, 1993; New Orleans, LA: The Toxicologist; 1993. p. 196.
144. Birnbaum LS. Mechanisms of dioxin toxicity: Implications for risk assessment. American Association for the Advancement of Science (AAAS) Annual Meeting; February 11-16, 1993; Boston, MA American Association for the Advancement of Science (AAAS); 1993. p. 132-3.
145. Birnbaum LS, Cook PM, Farland W, Preuss PW, Schaum JC. The U.S. EPA's scientific reassessment of the risks of exposure to dioxin. Dioxin Symposium; September 20-24, 1993; Vienna, Austria: Organohalogen Compounds; 1993. p. 1-4.
146. Birnbaum LS, DeVito MJ. Comparative induction of EROD activity by TCDD and TCDF following 4 or 13 weeks of treatment. Society of Toxicology Annual Meeting; March 14-18, 1993; New Orleans, LA: The Toxicologist; 1993. p. 274.
147. Birnbaum LS, Ross DG, DeVito MJ. Dose response relationships for EROD induction in liver, lung and skin for dioxin and dibenzofurans. Dioxin Symposium; September 20-24, 1993; Vienna, Austria: Organohalogen Compounds; 1993. p. 237-40.
148. Connor K, Narasimhan TR, Fernandes P, Safe L, Birnbaum LS, Menache M, Safe S. Dose-reponse induction of CYP1A1 gene expression by 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) in the Fischer 344 rat. Society of Toxicology Annual Meeting; March 14-18, 1993; New Orleans, LA: The Toxicologist; 1993. p. 192.
149. DeVito MJ, Diliberto JJ, Ma X, Babish JG, Birnbaum LS. Comparative ability to induce CYP1A1 and 1A2 activity and protein tyrosine phosphorylation. Society of Toxicology Annual Meeting; March 14-18, 1993; New Orleans, LA: The Toxicologist; 1993. p. 192.
150. Diliberto JJ, Akubue PI, Jackson JA, Luebke RW, Copeland CB, Birnbaum LS. Dose-dependent tissue distribution of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) in mice. Society of Toxicology Annual Meeting; March 14-18, 1993; New Orleans, LA: The Toxicologist; 1993. p. 195.
151. Diliberto JJ, Akubue PI, Luebke RW, Birnbaum LS. Dose-and time-dependent tissue distribution and induction of CYP1A1 and CYP1A2 in female B6C3F1 mice following acute exposure to [3H]TCDD. Dioxin Symposium; September 20-24, 1993; Vienna, Austria: Organohalogen Compounds; 1993. p. 233-6.
152. Gray LE, Ostby JS, Kelce WR, Marshall R, Diliberto JJ, Birnbaum LS. Perinatal TCDD exposure alters sex differentiation in both female and male LE hooded rats. Dioxin Symposium; September 20-24, 1993; Vienna, Austria: Organohalogen Compounds; 1993. p. 337-40.
153. Hebert CD, DeVito MJ, Birnbaum LS. Relative toxicity and enzyme-inducing potency of 2-chlorinated axo(xy) benzene compounds and TCDD. Society of Toxicology Annual Meeting; March 14-18, 1993; New Orleans, LA: The Toxicologist; 1993. p. 193.

154. Jackson JA, Diliberto JJ, Birnbaum LS. Dermal absorption and disposition of 3,4,3',4'-tetrachlorobiphenyl (TCB) in male F344 rats. Society of Toxicology Annual Meeting; March 14-18, 1993; New Orleans, LA: The Toxicologist; 1993. p. 362.
155. Luebke RW, Copeland CB, Andrews DL, Diliberto JJ, Akubue PI, Birnbaum LS. Effects of TCDD exposure on resistance to *T. Spiralis* infection in mice. Society of Toxicology Annual Meeting; March 14-18, 1993; New Orleans, LA: The Toxicologist; 1993. p. 100.
156. Ross DG, DeVito MJ, Diliberto JJ, Birnbaum LS. Comparative ability of 1,2,3,7,8-pentachlorodibenzo-p-dioxin to induce EROD activity in liver, lung and skin. Society of Toxicology Annual Meeting; March 14-18, 1993; New Orleans, LA: The Toxicologist; 1993. p. 192.
157. Rozman KK, Stahl BU, Viluksela M, Birnbaum LS. Multiple Dose (Subchronic) Toxicity of Heptachlorodibenzo-p-dioxin. Dioxin Symposium; September 20-24, 1993; Vienna, Austria: Organohalogen Compounds; 1993. p. 133-6.
158. Abbott BD, Perdew GH, Birnbaum LS. Ah receptor expression in embryonic C57BL/6N mouse from gestation day 10 to 16. Society of Toxicology Annual Meeting; March 13-17, 1994; Dallas, TX: The Toxicologist; 1994. p. 269.
159. Batra R, Andersen ME, Birnbaum LS. Physiologically-based pharmacokinetic model for TCDD in C57BL/6J mice. Dioxin Symposium; November 21-25, 1994; Kyoto, Japan: Organohalogen Compounds; 1994. p. 399-403.
160. Batra R, DeVito MJ, Birnbaum LS. Role of Ah receptor in the induction of cytochrome P450 1A1 and 1A2 enzymes in response to TCDD exposure. Society of Toxicology Annual Meeting; March 13-17, 1994; Dallas, TX: The Toxicologist; 1994. p. 408.
161. Birnbaum LS. Re-evaluation of dioxin. Great Lakes Water Quality Board Meeting; July 15, 1993; Chicago, IL: International Joint Commission (IJC) Digital Archive; 1994. p. 1-19.
162. DeVito MJ, Beebe LE, Birnbaum LS. Sex differences in induction of CYP1A1 and CYP1A2 Activity by TCDD in Fisher 344 Rats. Society of Toxicology Annual Meeting; March 13-17, 1994; Dallas, TX: The Toxicologist; 1994. p. 383.
163. Diliberto JJ, DeVito MJ, Ross DG, Little K, Birnbaum LS. Relationship of steady-state exposure and pharmacokinetics of [3H]2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) in the female mouse. Dioxin Symposium; November 21-25, 1994; Kyoto, Japan: Organohalogen Compounds; 1994. p. 235-8.
164. Diliberto JJ, DeVito MJ, Ross DG, Little KM, Birnbaum LS. Subchronic pharmacokinetic study of [3H]2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) in the mouse. International Society for the Study of Xenobiotics (ISSX) Annual Conference; October 23-27; Raleigh, NC International Society for the Study of Xenobiotics (ISSX) Proceedings; 1994.
165. Gray LE, Ostby JS, Marshall R, Kelce WR, Monosson E, Miller DB, Birnbaum LS. 2,3,7,8-TCDD alters sex differentiation in female and male syrian hamsters (H) and LE hooded rats (R). Society of Toxicology Annual Meeting; March 13-17, 1994; Dallas, TX: The Toxicologist; 1994. p. 382.
166. Jackson JA, Diliberto JJ, Birnbaum LS. Modulation of cytochrome P-450 isozymes in male F344 rats does not alter the biliary excretion of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD). Society of Toxicology Annual Meeting; March 13-17, 1994; Dallas, TX: The Toxicologist; 1994. p. 273.

167. Reed BM, Diliberto JJ, Pegram R, Moore TC, Jackson JA, Birnbaum LS. Effect of age and dose on TCDD disposition in mice. Society of Toxicology Annual Meeting; March 13-17, 1994; Dallas, TX: The Toxicologist; 1994. p. 273.
168. Ross DG, DeVito MJ, Birnbaum LS. Relative induction potency of polychlorinated biphenyls (PCBs) and TCDD in mouse liver, lung and skin. Society of Toxicology Annual Meeting; March 13-17, 1994; Dallas, TX: The Toxicologist; 1994. p. 278.
169. Stahl BU, Viluksela M, Diliberto JJ, Birnbaum LS, Rozman KK. Status of Dioxin-Related Activities at the United States Environmental Protection Agency (U.S. EPA). Dioxin Symposium; November 21-25, 1994; Kyoto, Japan: Organohalogen Compounds; 1994. p. 559-62.
170. Stahl BU, Viluksela M, Diliberto JJ, Birnbaum LS, Rozman KK. Subchronic (13 week) toxicity of a mixture of four chlorinated dibenzo-p-dioxins in Sprague-Dawley rats. Dioxin Symposium; November 21-25, 1994; Kyoto, Japan: Organohalogen Compounds; 1994. p. 341-4.
171. Abbott BD, Diliberto JJ, Birnbaum LS. Disposition of TCDD in pregnant C57BL/6N mice from 0.5 to 24 hours post-exposure. Dioxin Symposium; August 21-25, 1995; Edmonton, Canada: Organohalogen Compounds; 1995. p. 279-82.
172. Andersen ME, Eklund CR, Mills JJ, Birnbaum LS. A pharmacokinetic/ pharmacodynamic model for the regional induction of hepatic cytochrome P450 isoforms by TCDD. Society of Toxicology Annual Meeting; March 5-9, 1995; Baltimore, MD: The Toxicologist; 1995. p. 271.
173. Batra R, DeVito MJ, Andersen ME, Birnbaum LS. A physiologically-based pharmacokinetic (PB-PK) Model for TCDD in C57BL/6J mice. Society of Toxicology Annual Meeting; March 5-9, 1995; Baltimore, MD: The Toxicologist; 1995. p. 272.
174. Birnbaum LS. Update: The US EPA's Reassessment of Dioxin and Related Compounds. Dioxin Symposium; August 21-25, 1995; Edmonton, Canada: Organohalogen Compounds; 1995. p. 21-4.
175. Bull RJ, Birnbaum LS. Chlorination: essential process or cancer hazard? Introduction. Society of Toxicology Annual Meeting; March 5-9, 1995; Baltimore, MD: The Toxicologist; 1995. p. 213.
176. Cummings AM, Metcalf JL, Birnbaum LS. Effects of TCDD on the growth of endometriotic sites compared between rats and mice. Dioxin Symposium; August 21-25, 1995; Edmonton, Canada: Organohalogen Compounds; 1995. p. 225-9.
177. DeVito MJ, Gasiewicz TA, Farland W, Birnbaum LS. Comparisons of body burdens in humans and experimental animals exposed to dioxins. Society of Toxicology Annual Meeting; March 5-9, 1995; Baltimore, MD: The Toxicologist; 1995. p. 142.
178. DeVito MJ, Ross DR, Birnbaum LS. Disposition of PCDD/PCDF in mice. Dioxin Symposium; August 21-25, 1995; Edmonton, Canada: Organohalogen Compounds; 1995. p. 11-5.
179. Diliberto JJ, DeVito MJ, Ross DG, Little KM, Jackson JA, Birnbaum LS. Subchronic disposition of 2,3,7,8-tetrachloro-dibenzo-p-dioxin (TCDD) in mice. Society of Toxicology Annual Meeting; March 5-9, 1995; Baltimore, MD: The Toxicologist; 1995. p. 68.
180. Farland WH, Birnbaum LS, DeVito MJ. The United States Environmental Protection Agency (U.S.EPA) Approach to Evaluating Dioxin Health Risks: Critical Issues. Dioxin Symposium; August 21-25, 1995; Edmonton, Canada: Organohalogen Compounds; 1995. p. 475-8.

181. Gray LE, Ostby JS, Wolf C, Miller DB, Kelce WR, Gordon CJ, Birnbaum LS. Functional developmental toxicity of low doses of 2,3,7,8-tetrachlorodibenzo-p-dioxin and a dioxin-like PCB (169) in Long Evans rats and Syrian hamsters: reproductive, behavioral and thermoregulatory alterations. Dioxin Symposium; August 21-25, 1995; Edmonton, Canada: Organohalogen Compounds; 1995. p. 33-8.
182. Hurst CH, DeVito MJ, Ross DG, Diliberto JJ, Birnbaum LS. Additive interactions of mixtures containing polychlorinated dibenzo-p-dioxins (PCDD), dibenzo furans (PCDF) and biphenyls (PCB). Society of Toxicology Annual Meeting; March 5-9, 1995; Baltimore, MD: The Toxicologist; 1995. p. 63.
183. Jackson JA, Diliberto JJ, DeVito MJ, Ross DG, Little KM, Birnbaum LS. Elimination profiles in a subchronic study of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) in mice. Society of Toxicology Annual Meeting; March 5-9, 1995; Baltimore, MD: The Toxicologist; 1995. p. 68.
184. Little KM, Diliberto JJ, DeVito MJ, Ross DG, Birnbaum LS. Subcellular distribution of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) in mice. Society of Toxicology Annual Meeting; March 5-9, 1995; Baltimore, MD: The Toxicologist; 1995. p. 68.
185. Ross DG, DeVito MJ, Diliberto JJ, Birnbaum LS. Comparison of relative potency of tissue dose vs. administered dose of PCBs in the mouse. Society of Toxicology Annual Meeting; March 5-9, 1995; Baltimore, MD: The Toxicologist; 1995. p. 142.
186. Santostefano MJ, Little KM, DeVito MJ, Diliberto JJ, Birnbaum LS. The role of CYP1A2 in localization of TCDD in subcellular fractions of rat and mouse tissues. Dioxin Symposium; August 21-25, 1995; Edmonton, Canada: Organohalogen Compounds; 1995. p. 203-6.
187. Smialowicz RJ, DeVito MJ, Riddle MM, Williams WC, Birnbaum LS. Opposite Effects of 2,2',4,4',5,5'-hexachlorobiphenyl and 2,3,7,8-tetrachlorodibenzo-p-dioxin on the splenic plaque-forming cell response to sheep red blood cells in female B6C3F1 mice. Dioxin Symposium; August 21-25, 1995; Edmonton, Canada: Organohalogen Compounds; 1995. p. 299-302.
188. Stahl BU, Viluksela M, Birnbaum LS, Rozman KK. Subchronic toxicity of a mixture of four chlorinated dibenzo-p-dioxins (CDDs) in Sprague-Dawley rats. Part II: Biochemical observations. Society of Toxicology Annual Meeting; March 5-9, 1995; Baltimore, MD: The Toxicologist; 1995. p. 67.
189. Van Birgelen APJM, DeVito MJ, Ross DG, Richardson VM, Birnbaum LS. Relative potencies derived from hepatic porphyrin accumulation following subchronic exposure of polychlorinated dibenzo-p-dioxins, dibenzofurans, or biphenyls in female B6C3F1 mice. Dioxin Symposium; August 21-25, 1995; Edmonton, Canada: Organohalogen Compounds; 1995. p. 1-6.
190. Viluksela M, Stahl BU, Birnbaum LS, Rozman KK. Subchronic toxicity of a mixture of four chlorinated dibenzo-p-dioxins (CDDs) in Sprague-Dawley rats. Part I: Study design and general observations. Society of Toxicology Annual Meeting; March 5-9, 1995; Baltimore, MD: The Toxicologist; 1995. p. 68.
191. Birnbaum LS. Health effects of disinfection byproducts (DBPS). American Chemical Society (ACS) National Meeting; March 24-28, 1996; New Orleans, LA: Abstracts of Papers of the American Chemical Society (ACS); 1996. p. 6-CHAS.
192. Birnbaum LS, Farland WH. Health risk assessment for dioxin and related chemicals: the U.S. EPA Approach. Dioxin Symposium; August 12-16, 1996; Amsterdam, Netherlands: Organohalogen Compounds; 1996. p. 279-81.

193. DeVito MJ, Birnbaum LS. The use of body burdens vs daily dose in comparisons of endo- and exodioxins and in assessing human health risks. Dioxin Symposium; August 12-16, 1996; Amsterdam, Netherlands: Organohalogen Compounds; 1996. p. 424-9.
194. DeVito MJ, Ross DG, Birnbaum LS. Disposition of PCBs in B6C3F1 mice following 13 weeks of exposure. Society of Toxicology Annual Meeting; March 10-14, 1996; Anaheim, CA: The Toxicologist; 1996. p. 180.
195. Hurst CH, DeVito MJ, Abbott BD, Birnbaum LS. 2,3,7,8-tetrachloro-dibenzo-p-dioxin (TCDD) in pregnant rats: distribution to maternal and fetal tissues. Society of Toxicology Annual Meeting; March 10-14, 1996; Anaheim, CA: The Toxicologist; 1996. p. 198.
196. Hurst CH, DeVito MJ, Abbott BD, Birnbaum LS. Maternal and fetal disposition of TCDD in Long Evans rats. Dioxin Symposium; August 12-16, 1996; Amsterdam, Netherlands: Organohalogen Compounds; 1996. p. 339-42.
197. Jackson JA, Diliberto JJ, Birnbaum LS. Biliary elimination of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) in rats involves sex-specific cytochrome P-450 metabolism and excretion of unchanged TCDD. Federation of American Societies for Experimental Biology (FASEB) Annual Meeting; April 14-17, 1996; Washington, DC: Federation proceedings; 1996. p. 1026-.
198. Johnson KL, Cummings AM, Birnbaum LS. Assessing the structure activity relationship of polyhalogenated aromatic hydrocarbons using endometriosis as an endpoint. Dioxin Symposium; August 12-16, 1996; Amsterdam, Netherlands: Organohalogen Compounds; 1996. p. 268-71.
199. Richardson VM, Santostefano MJ, Pollenz RS, Perdew GH, Birnbaum LS. Multiple tissue expression of AHR and ARNT proteins in rats exposed to TCDD. Federation of American Societies for Experimental Biology (FASEB) Annual Meeting; April 14-17, 1996; Washington, DC: Federation proceedings; 1996. p. 1027-.
200. Santostefano MJ, Richardson VM, Birnbaum LS. In vivo regulation of the hepatic cytosolic Ah receptor (AhR) protein by TCDD. Dioxin Symposium; August 12-16, 1996; Amsterdam, Netherlands: Organohalogen Compounds; 1996. p. 430-3.
201. Santostefano MJ, Richardson VM, Birnbaum LS. In vivo regulation of the Ah receptor by TCDD. Society of Environmental Toxicology and Chemistry (SETAC) Annual Meeting; November 17-21, 1996; Washington, DC 1996. p. 294.
202. Santostefano MJ, Whisnant NA, Richardson V, Perdew GH, Pollenz RS, Birnbaum LS. Subcellular disposition of [3H]2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) in the liver and kidneys of female sprague-dawley rats after acute exposure: role of CYP1A2. Society of Toxicology Annual Meeting; March 10-14, 1996; Anaheim, CA: The Toxicologist; 1996. p. 181.
203. Smialowicz RJ, DeVito MJ, Riddle MM, Williams WC, Birnbaum LS. Opposite effects of 2,2',4,4',5,5'-hexachlorobiphenyl (PCB153) and 2,3,7,8-TCDD on the antibody response to sheep red blood cells (SRBC) in mice. Society of Toxicology Annual Meeting; March 10-14, 1996; Anaheim, CA: The Toxicologist; 1996. p. 60.
204. Van Birgelen A, Nix-Stevenson D, DeVito MJ, Diliberto JJ, Birnbaum LS. Synergism on porphyrin metabolism after mixture exposure to PCDD, PCDFs, and PCBs. Society of Environmental Toxicology and Chemistry (SETAC) Annual Meeting; November 17-21; Washington, DC Organohalogen Compounds; 1996. p. 300-5.
205. Van Birgelen APJM, DeVito MJ, Birnbaum LS. Toxic equivalency factors derived from cytochrome P450 induction in mice are predictive for cytochrome P450 induction after subchronic exposure to mixtures of

- PCDDs, PCDFs, and PCBs in female B6C3F1 mice and Sprague Dawley rats. Dioxin Symposium; August 12-16, 1996; Amsterdam, Netherlands: Organohalogen Compounds; 1996. p. 251-6.
206. Van Birgelen APJM, DeVito MJ, Birnbaum LS. Minimal interactive effects on induction of cytochrome P450 isozymes after co-administration of 2,3,7,8-tetrachlorodibenzo-p-dioxin and 2,2',4,4',5,5'-hexachlorobiphenyl in multiple tissue of female B6C3F1 mice. Federation of American Societies for Experimental Biology (FASEB) Annual Meeting; April 14-17, 1996; Washington, DC: Federation proceedings; 1996. p. 1028-.
207. Van Birgelen APJM, Diliberto JJ, DeVito MJ, Birnbaum LS. Tissue CYP1A1 activity reflects tissue 1,2,7,8-tetrachlorodibenzo-p-dioxin concentration. Dioxin Symposium; August 12-16, 1996; Amsterdam, Netherlands: Organohalogen Compounds; 1996. p. 439-42.
208. Van Birgelen APJM, Nix-Stevenson D, DeVito MJ, Birnbaum LS. Synergistic hepatic porphyrin accumulation and urinary porphyrin excretion after subchronic exposure to mixtures of PCDDs, PCDFs, and PCBs in mice. Society of Toxicology Annual Meeting; March 10-14, 1996; Anaheim, CA: The Toxicologist; 1996. p. 180.
209. Van Birgelen APJM, Nix-Stevenson D, DeVito MJ, Diliberto JJ, Birnbaum LS. Synergistic effects on porphyrin metabolism in female B6C3F1 mice after subchronic exposure to mixtures of PCDDs, PCDFs, and PCBs. Dioxin Symposium; August 12-16, 1996; Amsterdam, Netherlands: Organohalogen Compounds; 1996. p. 300-5.
210. Wang X, Santostefano MJ, Evans MV, Birnbaum LS. Time-course of TCDD tissue distribution analyzed by a PBPK/PD model. Society of Environmental Toxicology and Chemistry (SETAC) Annual Meeting; November 17-21; Washington, DC 1996. p. 16.
211. Wang X, Santostefano MJ, Evans MV, Richardson VM, Diliberto JJ, Birnbaum LS. Receptor incorporated physiologically-based pharmacokinetic model for TCDD distribution in rat. Dioxin Symposium; August 12-16, 1996; Amsterdam, Netherlands: Organohalogen Compounds; 1996. p. 389-93.
212. Whisnant NA, Santostefano MJ, Richardson V, Birnbaum LS. Tissue distribution of [3H]2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) in female Sprague-Dawley rats after acute exposure: Subcellular TCDD levels in hepatic and pulmonary tissues. Society of Toxicology Annual Meeting; March 10-14, 1996; Anaheim, CA: The Toxicologist; 1996. p. 156.
213. Birnbaum LS. Beyond TEFs: Mixtures of Dioxins and Non-Dioxins. Dioxin Symposium; August 25-29, 1997; Indianapolis, IN: Organohalogen Compounds; 1997. p. 199-202.
214. Birnbaum LS, DeVito MJ, Van Birgelen APJM. Relative potency factors derived from cytochrome P450 induction in mice predict cytochrome P450 induction in rats after exposure to a mixture of dioxin-like compounds. Society of Toxicology Annual Meeting; March 9-13, 1997; Cincinnati, OH: The Toxicologist; 1997. p. 216.
215. DeVito MJ, Jackson JA, Van Birgelen APJM, Birnbaum LS. Reductions in hepatic retinoid levels after subchronic exposure to dioxinlike compounds in female mice and rats. Society of Toxicology Annual Meeting; March 9-13, 1997; Cincinnati, OH: The Toxicologist; 1997. p. 214.
216. DeVito MJ, Ross DG, Van Birgelen APJM, Birnbaum LS. The effects of mixtures of PCDDs, PCDFs, and PCBs on hepatic retinyl palmitate concentrations in mice. Dioxin Symposium; August 25-29, 1997; Indianapolis, IN: Organohalogen Compounds; 1997. p. 49-54.
217. Diliberto JJ, Burgin D, Birnbaum LS. CYP1A2: The Inducible Binding Protein for TCDD Sequestration. Dioxin Symposium; August 25-29, 1997; Indianapolis, IN: Organohalogen Compounds; 1997. p. 376-9.

218. Hurst CH, DeVito MJ, Abbott BD, Birnbaum LS. Dose-response of 2,3,7,8-tetrachloro-dibenzo-p-dioxin (TCDD) distribution in pregnant long Evans rats. Society of Toxicology Annual Meeting; March 9-13, 1997; Cincinnati, OH: The Toxicologist; 1997. p. 257-8.
219. Menache MG, DeVito MJ, Graham RC, Birnbaum LS. An alternative approach for estimating relative potencies in the TEF methodology. Society of Toxicology Annual Meeting; March 9-13, 1997; Cincinnati, OH: The Toxicologist; 1997. p. 169.
220. Pollenz RS, Santostefano MJ, Birnbaum LS. The AH-receptor is rapidly depleted in the spleen, lung and thymus of rats following a single oral dose of TCDD. Society of Toxicology Annual Meeting; March 9-13, 1997; Cincinnati, OH: The Toxicologist; 1997. p. 242.
221. Richardson VM, Santostefano MJ, Birnbaum LS. Dose-dependent effects of TCDD on Ah receptor and ARNT expression in liver and adrenals of female Sprague-Dawley rats. Society of Toxicology Annual Meeting; March 9-13, 1997; Cincinnati, OH: The Toxicologist; 1997. p. 127.
222. Ross DG, Van Birgelen APJM, DeVito MJ, Birnbaum LS. Relative potency factors derived from CYP1A induction in mice are predictive for alterations in retinoid concentrations after subchronic exposure to mixtures of PCDDs, PCDFs, and PCBs in female Sprague Dawley rats. Dioxin Symposium; August 25-29, 1997; Indianapolis, IN: Organohalogen Compounds; 1997. p. 281-6.
223. Santostefano MJ, Birnbaum LS, Diliberto JJ. CYP1A2 Knockout Mice: Decreased hepatic microsomal localization of TCDD. Dioxin Symposium; August 25-29, 1997; Indianapolis, IN: Organohalogen Compounds; 1997. p. 380-5.
224. Santostefano MJ, Ross DG, Savas U, Jefcoate CR, Birnbaum LS. Differential hepatic regulation of CYP1B1, CYP1A1 and CYP1A2 proteins by TCDD. Society of Toxicology Annual Meeting; March 9-13, 1997; Cincinnati, OH: The Toxicologist; 1997. p. 216.
225. Santostefano MJ, Wang X, DeVito MJ, Richardson VM, Ross DG, Birnbaum LS. Multiple tissue pharmacodynamic analysis of TCDD-induced biochemical responses. Dioxin Symposium; August 25-29, 1997; Indianapolis, IN: Organohalogen Compounds; 1997. p. 19-24.
226. Smialowicz R, DeVito M, Riddle MM, Williams W, Birnbaum LS. Comparative immunotoxic potency of mixtures containing polychlorinated dibenzo-p-dioxins (PCDDs), dibenzofurans (PCDFs) and biphenyls (PCBs). Society of Toxicology Annual Meeting; March 9-13, 1997; Cincinnati, OH: The Toxicologist; 1997. p. 266.
227. Van Birgelen APJM, Birnbaum LS. Synergistic effects of mixtures of dioxin-like and non-dioxin-like compounds in rodents. Dioxin Symposium; August 25-29, 1997; Indianapolis, IN: Organohalogen Compounds; 1997. p. 203-8.
228. Van Birgelen APJM, DeVito MJ, Orzech D, Walker N, Birnbaum LS, Bucher JR, Lucier G. Design of 2-year bioassays with dioxin-like compounds in female Sprague Dawley rats. Dioxin Symposium; August 25-29, 1997; Indianapolis, IN: Organohalogen Compounds; 1997. p. 154-9.
229. van Birgelen APJM, Diliberto JJ, Smialowicz RJ, Birnbaum LS. Toxic and biochemical responses in tissue reflect 2,3,7,8-TCDD concentration in corresponding tissue and 2,3,7,8-TCDD body burden. Society of Toxicology Annual Meeting; March 9-13, 1997; Cincinnati, OH: The Toxicologist; 1997. p. 216.
230. Van Birgelen APJM, Visser TJ, Kaptein E, Kodavanti PR, Derr-Yellin EC, DeVito MJ, Birnbaum LS. Synergistic effects on thyroid hormone metabolism in female Sprague Dawley rats after subchronic exposure to

- mixtures of PCDDs, PCDFs, and PCBs. Dioxin Symposium; August 25-29, 1997; Indianapolis, IN: Organohalogen Compounds; 1997. p. 370-5.
231. Wang X, Santostefano MJ, Birnbaum LS. Extrapolation of a previous PBPK model for TCDD across doses, routes of exposure and genders in Sprague-Dawley Rats. Society of Toxicology Annual Meeting; March 9-13, 1997; Cincinnati, OH: The Toxicologist; 1997. p. 31-2.
232. Wang X, Santostefano MJ, DeVito MJ, Birnbaum LS. Extrapolation of a previous PBPK model for TCDD across routes of exposure, gender, and from rats to mice. Dioxin Symposium; August 25-29, 1997; Indianapolis, IN: Organohalogen Compounds; 1997. p. 38-42.
233. Birnbaum LS. Sensitive non-carcinogenic effects of TCDD in animals. Dioxin Symposium; August 17-21, 1998; Stockholm, Sweden: Organohalogen Compounds; 1998. p. 291-4.
234. Birnbaum LS. Health effects of dioxins. American Public Health Association (APHA) Annual Meeting; November 15-19; Washington, DC: American Public Health Association (APHA) 1998. p. 75.
235. Birnbaum LS, Visser TJ, Kaptein E, Kodavanti PR, Derr-Yellin EC, Klasson-Wehler E, DeVito MJ, Van Birgelen APJM. Involvement of multiple mechanisms in thyroid hormone metabolism by a mixture of dioxin-like compounds in female Sprague Dawley Rats. Society of Toxicology Annual Meeting; March 1-5, 1998; Seattle, WA: The Toxicologist; 1998. p. 166.
236. Blackwell L, Birnbaum LS, DeVito MJ. The effects of TCDD in a murine model of type II diabetes. Dioxin Symposium; August 17-21, 1998; Stockholm, Sweden: Organohalogen Compounds; 1998. p. 281-4.
237. DeVito MJ, Birnbaum LS, Blackwell L. The effects of TCDD in a murine model of type II diabetes. Society of Toxicology Annual Meeting; March 1-5, 1998; Seattle, WA: The Toxicologist; 1998. p. 385-6.
238. Diliberto JJ, Birnbaum LS. Effects of the deficient CYP1A2 gene on disposition of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD); comparison of transgenic CYP1A2 Knock-Out Mice to the parental strains (C57B1/6N and 129/SV). Society of Toxicology Annual Meeting; March 1-5, 1998; Seattle, WA: The Toxicologist; 1998. p. 385.
239. Diliberto JJ, DeVito MJ, Ross DG, Birnbaum LS. Time-course and dose-response relationships of subchronic dosing with [3H] 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) on dosimetry and CYP1A1 and CYP1A2 activities in mice. Dioxin Symposium; August 17-21, 1998; Stockholm, Sweden: Organohalogen Compounds; 1998. p. 381-4.
240. Hamm JT, Ross DG, Richardson VM, Diliberto JJ, Birnbaum LS. MROD: An inappropriate marker for cytochrome P450 1A2 activity in the mouse. Society of Toxicology Annual Meeting; March 1-5, 1998; Seattle, WA: The Toxicologist; 1998. p. 20.
241. Hurst CH, Abbott B, DeVito MJ, Ostby JS, Gray E, Birnbaum LS. Acute administration of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) in Long Evans rats: comparison of fetal tissue levels and adverse developmental effects. Dioxin Symposium; August 17-21, 1998; Stockholm, Sweden: Organohalogen Compounds; 1998. p. 359-62.
242. Hurst CH, DeVito MJ, Birnbaum LS. Tissue disposition of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) in maternal and developing Long Evans rats following subchronic exposures. Society of Toxicology Annual Meeting; March 1-5, 1998; Seattle, WA: The Toxicologist; 1998. p. 258.

243. Menache MG, Graham RC, DeVito MJ, Birnbaum LS. Estimating the relative potency of a mixture of dioxin-like compounds. Society of Toxicology Annual Meeting; March 1-5, 1998; Seattle, WA: The Toxicologist; 1998. p. 46.
244. Richardson VM, Santostefano MJ, Blanton JL, Birnbaum LS. Time-dependent expression of Ah receptor and ARNT proteins in multiple tissues of female Sprague-Dawley rats. Society of Toxicology Annual Meeting; March 1-5, 1998; Seattle, WA: The Toxicologist; 1998. p. 249.
245. Ross DG, Van Birgelen APJM, DeVito MJ, Birnbaum LS. Relative potency factors are predictive for alterations in hepatic retinoid concentrations after subchronic exposure to mixtures of PCDDs, PCDFs, and PCBs. Society of Toxicology Annual Meeting; March 1-5, 1998; Seattle, WA: The Toxicologist; 1998. p. 383.
246. Santostefano MJ, Wang X, DeVito MJ, Evans MV, Diliberto JJ, Birnbaum LS. Development, validation and extrapolation of physiologically based pharmacokinetic and biologically based pharmacodynamic models of dioxin. Society of Toxicology Annual Meeting; March 1-5, 1998; Seattle, WA: The Toxicologist; 1998. p. 142.
247. Wang X, Santostefano MJ, DeVito MJ, Birnbaum LS. Effect of exposure and species in previous PBPK model to TCDD. Society of Toxicology Annual Meeting; March 1-5, 1998; Seattle, WA: The Toxicologist; 1998. p. 140.
248. Birnbaum LS, Richardson VM, Alcasey SK, Blanton J, Walker NJ, Lucier GW, Lindros KO, Santostefano MJ. Localization of tcdd and effects on gene expression in isolated hepatocytes. Federation of American Societies for Experimental Biology (FASEB) Annual Meeting; April 17-21, 1999; Washington, DC: Federation proceedings; 1999. p. A154-A.
249. Blackwell LT, Birnbaum LS, DeVito MJ. The effects of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) on insulin in a murine model of type II diabetes. Society of Toxicology Annual Meeting; March 14-18, 1999; New Orleans, LA: The Toxicologist; 1999. p. 216-7.
250. Burgin DE, Diliberto JJ, Derr-Yellin EC, Birnbaum LS, Kodavanti PR. Differential effects of Aroclor 1254 mixtures with two lot numbers: Hepatic enzyme induction and circulating thyroid hormone levels. Society of Toxicology Annual Meeting; March 14-18, 1999; New Orleans, LA: The Toxicologist; 1999. p. 277-8.
251. Burgin DE, Diliberto JJ, Prasad H, Kodavanti PR, Birnbaum LS. Differential toxicities of two lots of aroclor 1254. Dioxin Symposium; September 12-17, 1999; Venice, Italy: Organohalogen Compounds; 1999. p. 301-4.
252. Burgin DE, Kodavanti PS, Diliberto JJ, Birnbaum LS. Differential toxicities of two lots of aroclor 1254. Federation of American Societies for Experimental Biology (FASEB) Annual Meeting; April 17-21, 1999; Washington, DC: Federation proceedings; 1999. p. A154-A.
253. Chen CY, Hamm JT, Hass JR, Birnbaum LS. Deposition of PCDD/Fs and Non-ortho PCBs in Long Evans Rats. Dioxin Symposium; September 12-17, 1999; Venice, Italy: Organohalogen Compounds; 1999. p. 151-4.
254. DeVito MJ, Diliberto JJ, Birnbaum LS. The comparative toxicokinetics of dioxin-like chemicals and the role of CYP1A2 in their disposition. Dioxin Symposium; September 12-17, 1999; Venice, Italy: Organohalogen Compounds; 1999.
255. Diliberto JJ, Birnbaum LS. Role of CYP1A2 on toxicokinetic behavior of PHAHS in knockout (CYP1A2^{-/-}) versus parental (CYP1A2^{+/+}) strains of mice. Dioxin Symposium; September 12-17, 1999; Venice, Italy: Organohalogen Compounds; 1999. p. 165-8.

256. Diliberto JJ, DeVito MJ, Ross DG, Birnbaum LS. Dose-response relationship of subchronic dosing with [3H]TCDD on dosimetry and CYP1A activities. Society of Toxicology Annual Meeting; March 14-18, 1999; New Orleans, LA: The Toxicologist; 1999. p. 220.
257. Hamm JT, Birnbaum LS. Altered cellular proliferation in the seminal vesicles of rats gestationally exposed to TCDD. Society of Toxicology Annual Meeting; March 14-18, 1999; New Orleans, LA: The Toxicologist; 1999. p. 21.
258. Hamm JT, Chen CY, Hass JR, Birnbaum LS. Do toxic equivalency factors predict adverse reproductive effects of a mixture of dioxin and dioxin-like compounds. Dioxin Symposium; September 12-17, 1999; Venice, Italy: Organohalogen Compounds; 1999. p. 253-7.
259. Hamm JT, Sparrow BR, Wolf D, Birnbaum LS. 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) alters epithelial development of the seminal vesicles. Dioxin Symposium; September 12-17, 1999; Venice, Italy: Organohalogen Compounds; 1999. p. 321-4.
260. Hurst CH, Abbott BD, Birnbaum LS. 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) disrupts early morphogenetic events that form the lower reproductive tract in female rat fetuses. Dioxin Symposium; September 12-17, 1999; Venice, Italy: Organohalogen Compounds; 1999. p. 273-6.
261. Hurst CH, DeVito MJ, Abbott BD, Ostby JS, Gray LE, Birnbaum LS. Acute and subchronic administration of TCDD in Long Evans rats: comparison of fetal tissue levels and adverse developmental effects. Society of Toxicology Annual Meeting; March 14-18, 1999; New Orleans, LA: The Toxicologist; 1999. p. 22.
262. Kodavanti PR, Kannan N, Yamashita N, Ward TR, Birnbaum LS, Tilson HA. Differential effects of aroclor 1254 mixtures with two lot numbers: intracellular calcium buffering and protein kinase C translocation in rat brain. Society of Toxicology Annual Meeting; March 14-18, 1999; New Orleans, LA: The Toxicologist; 1999. p. 277.
263. Menache MG, Graham RC, DeVito MJ, Birnbaum LS. An empirical approach to predicting biological responses following exposures to mixtures. Society of Toxicology Annual Meeting; March 14-18, 1999; New Orleans, LA: The Toxicologist; 1999. p. 23.
264. Ostby JS, Price M, Huey O, Hurst CH, Birnbaum LS, Gray LE. Developmental and reproductive effects of low-dose, steady-state maternal 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) administration. Society of Toxicology Annual Meeting; March 14-18, 1999; New Orleans, LA: The Toxicologist; 1999. p. 147.
265. Richardson VM, Santostefano MJ, Walker NJ, Lucier GW, Birnbaum LS. Examination of gene expression in centrilobular and periportal cells after TCDD exposure by quantitative RT-PCR. Society of Toxicology Annual Meeting; March 14-18, 1999; New Orleans, LA: The Toxicologist; 1999. p. 220.
266. Santostefano MJ, Blanton J, Richardson VM, Alcalsey SK, Lindros KO, Birnbaum LS. Differences in localization of TCDD in centrilobular and periportal hepatocytes give insight into the mechanism of gene expression. Society of Toxicology Annual Meeting; March 14-18, 1999; New Orleans, LA: The Toxicologist; 1999. p. 305.
267. Santostefano MJ, Richardson VM, Walker NJ, Blanton J, Lindros KO, Lucier GW, Alcalsey SK, Birnbaum LS. TCDD localization in centrilobular and periportal hepatocytes. Dioxin Symposium; September 12-17, 1999; Venice, Italy: Organohalogen Compounds; 1999. p. 469-73.
268. Schecter AJ, Birnbaum LS, Sheu SU. Do recent changes in TEF values have a major impact on TEQ of biological samples? Dioxin Symposium; September 12-17, 1999; Venice, Italy: Organohalogen Compounds; 1999. p. 371-5.

269. Schecter AJ, Sheu SU, Birnbaum LS, DeVito MJ, Denison MS, Paepke O. A comparison and discussion of two differing methods of measuring dioxin-like compounds: gas chromatography-mass spectrometry and the calux bioassay-implications of health studies. Dioxin Symposium; September 12-17, 1999; Venice, Italy: Organohalogen Compounds; 1999. p. 247-50.
270. Slezak BP, Crissman K, Slade R, Hatch GE, Devito M, Diliberto JJ, Birnbaum LS. TCDD mediated oxidative stress in female B6C3F1 mouse liver and brain following acute and subchronic exposure. Federation of American Societies for Experimental Biology (FASEB) Annual Meeting; April 17-21, 1999; Washington, DC: Federation proceedings; 1999. p. A154-A.
271. Slezak BP, Diliberto JJ, Birnbaum LS. The Role of CYP1A2 on oxidative stress following exposure to 2,3,7,8-tetrachlorodibenzo-p-dioxin in knockout (CYP1A2^{-/-}) versus parental (CYP1A2^{+/+}) strains of mice. Dioxin Symposium; September 12-17, 1999; Venice, Italy: Organohalogen Compounds; 1999.
272. Slezak BP, Hatch GE, DeVito M, Diliberto JJ, Slade R, Crissman K, Birnbaum LS. Oxidative stress in female B6C3F1 mouse liver and brain following acute and subchronic exposure to 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD). Society of Toxicology Annual Meeting; March 14-18, 1999; New Orleans, LA: The Toxicologist; 1999. p. 61.
273. Abbott BD, Birnbaum LS, Hurst CH. TCDD changes growth factor and matrix protein expression in fetal rat vaginal tract. Society of Toxicology Annual Meeting; March 19-23, 2000; Philadelphia, PA: The Toxicologist; 2000. p. 287.
274. Birnbaum LS. Health Effects of Dioxins: people are animals, and vice-versa! Dioxin Symposium; August 13-17; Monterey, CA: Organohalogen Compounds; 2000. p. 101-3.
275. Burgin DE, Diliberto JJ, Birnbaum LS. Effects of two lots of Aroclor 1254 on hepatic retinoid concentration in rats. Dioxin Symposium; August 13-17 Monterey, CA: Organohalogen Compounds; 2000. p. 221-4.
276. Burgin DE, Diliberto JJ, Kodavanti PR, Birnbaum LS. Use of two Arcolor lots to evaluate TEQ and oxidative stress predictors. Society of Toxicology Annual Meeting; March 19-23, 2000; Philadelphia, PA: The Toxicologist; 2000. p. 181.
277. Chen CY, Hamm JT, Hass JR, Albro PW, Birnbaum LS. A Mixture of Polychlorinated Dibenzo-p-Dioxins (PCDDs), Dibenzofurans (PCDFs), and Non-Ortho Polychlorinated Biphenyls (PCBs) Changed the Lipid Content of Pregnant Long Evans Rats. Dioxin Symposium; August 13-17; Monterey, CA: Organohalogen Compounds; 2000. p. 225-8.
278. Chen CY, Hamm JT, Hass JR, Birnbaum LS. Time-course transfer of PCDD/FS and non-ortho PCBS to fetal and neonatal Long Evans rats. Dioxin Symposium; August 13-17 Monterey, CA: Organohalogen Compounds; 2000. p. 334-7.
279. DeVito MJ, Farland WH, Birnbaum LS. Margin of exposure estimates for TCDD for cancer and non-cancer effects in laboratory animals. Dioxin Symposium; August 13-17 Monterey, CA: Organohalogen Compounds; 2000. p. 292-5.
280. Diliberto JJ, Abbott BD, Birnbaum LS. Role of Ah receptor of hepatic sequestration and disposition of dioxin - studies using the Ah receptor-knockout mice. Society of Toxicology Annual Meeting; March 19-23, 2000; Philadelphia, PA: The Toxicologist; 2000. p. 58-9.
281. Diliberto JJ, Abbott BD, Birnbaum LS. Use of AHR Knockout (AHR^{-/-}) mice to investigate the role of the AH receptor on disposition of TCDD. Dioxin Symposium; August 13-17; Monterey, CA: Organohalogen Compounds; 2000. p. 120-3.

282. Farland WH, Schaum J, Winters D, Lorber M, Cleverly D, Rodan B, Tuxen L, DeVito MJ, Birnbaum LS. USEPA's risk characterization of dioxin and related compounds. Dioxin Symposium; August 13-17; Monterey, CA: Organohalogen Compounds; 2000. p. 248-51.
283. Fenton SE, Hamm JT, Birnbaum LS, Youngblood GL. Adverse effects of TCDD on mammary gland development in Long Evans rats: a two generational study. Dioxin Symposium; August 13-17; Monterey, CA: Organohalogen Compounds; 2000. p. 157-60.
284. Hamm JT, Birnbaum LS. Developmental reproductive effects of a mixture of dioxins, furans, and co-planar PCBs on Long Evans rats. Society of Toxicology Annual Meeting; March 19-23, 2000; Philadelphia, PA: The Toxicologist; 2000. p. 367.
285. Hamm JT, Diliberto JJ, McQuaid F, Birnbaum LS. Postnatal disposition of 2,3,7,8,-tetrachlorodibenzo-p- dioxin in the Long Evans rat following gestational exposure. Dioxin Symposium; August 13-17 Monterey, CA: Organohalogen Compounds; 2000. p. 104-7.
286. Hurst CH, Abbott BD, Birnbaum LS. Early morphogenetic events are altered in the formation of the lower reproductive tract in female rat fetuses gestationally exposed to 2,3,7,8, tetrachlorodibenzo-p-dioxin (TCDD). Society of Toxicology Annual Meeting; March 19-23, 2000; Philadelphia, PA: The Toxicologist; 2000. p. 288.
287. Kodavanti PR, Kannan N, Yamashita N, Derr-Yellin EC, Ward TR, Burgin DE, Tilson HA, Birnbaum LS. Differential effects of two lots of Aroclor 1254R: congener analysis and neurochemical endpoints. Dioxin Symposium; August 13-17 Monterey, CA: Organohalogen Compounds; 2000. p. 303-6.
288. Richardson VM, Santostefano MJ, Birnbaum LS. Time-dependent expression of AhR and Arnt mRNAs in multiple mouse tissues. Dioxin Symposium; August 13-17; Monterey, CA: Organohalogen Compounds; 2000. p. 314-7.
289. Wang X, DeVito MJ, Bischoff KB, Birnbaum LS. Physiological pharmacokinetic model reduction applied to human risk assessment. Society of Toxicology Annual Meeting; March 19-23, 2000; Philadelphia, PA: The Toxicologist; 2000. p. 93.
290. Youngblood GL, Hamm JT, Birnbaum LS, Fenton SE. Gestational exposure of long evans rats to 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) leads to stunted mammary epithelial development in female offspring. Society of Toxicology Annual Meeting; March 19-23, 2000; Philadelphia, PA: The Toxicologist; 2000. p. 135.
291. Birnbaum LS. Regulation of AHR expression during development, daily, and following ligand exposure. Society of Toxicology Annual Meeting; March 25-29, 2001; San Francisco, CA: The Toxicologist; 2001. p. 134.
292. Birnbaum LS. Health effects of polybrominated dioxins and furans. Brominated Flame Retardants (BFR) Annual Workshop; May 14-16, 2001; Stockholm, Sweden 2001. p. 135-7.
293. Burgin DE, Diliberto JJ, Birnbaum LS. 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TDCC) mediated oxidative stress in female CYP1A-2 knockout (CYP1A2^{-/-}) mice. Society of Toxicology Annual Meeting; March 25-29, 2001; San Francisco, CA: The Toxicologist; 2001. p. 442.
294. Diliberto JJ, McQuaid F, Hamm JT, Birnbaum LS. Postnatal disposition of TCDD in Long Evans rats following gestational exposure. Society of Toxicology Annual Meeting; March 25-29, 2001; San Francisco, CA: The Toxicologist; 2001. p. 290-1.

295. Farland WH, Birnbaum LS, Winters D, Tuxen L. Dioxin after EPA's Reassessment: Science and Policy. Dioxin Symposium; September 9-14, 2001; Gyeongju, Korea: Organohalogen Compounds; 2001. p. 5-9.
296. Richardson VM, Hamm JT, Birnbaum LS. Time-dependent effects on gene expression in rat seminal vesicle developmentally altered by in utero exposure to TCDD. Society of Toxicology Annual Meeting; March 25-29, 2001; San Francisco, CA: The Toxicologist; 2001. p. 273.
297. Sekizawa J, Suter II G, Birnbaum LS. Case study information package, III: tributyltin and triphenyltin compounds. Report. Geneva, Switzerland: 2001 09/20/2018.
298. Youssef JA, Ammann P, Ghanayem BI, Birnbaum LS, Badr MZ. Discordant induction of peroxisome proliferator-activated receptor alpha mRNA and dependent genes by peroxisome proliferators in livers of senescent rats. Federation of American Societies for Experimental Biology (FASEB) Annual Meeting; March 31 - April 4, 2001; Orlando, FL: Federation proceedings; 2001. p. A562-A.
299. Youssef JA, Ammann P, Ghanayem BL, Birnbaum LS, Badr MZ. Mechanisms Involved in the Enhanced Susceptibility of Senescent Rats to the Hepatocarcinogenic Effect of Peroxisome Proliferators: Role of Peroxisome Proliferator-Activated Receptor alpha (PPAR), Cell Proliferation and Oxidative Stress. Miami Nature Biotechnology Winter Symposium (MNBWS); February 3-7, 2001; Miami, FL: The Scientific World Journal; 2001. p. 85.
300. Birnbaum LS, Fenton SE. Role of developmental exposure to endocrine disruptors in cancer. Dioxin Symposium; August 11-16, 2002; Barcelona, Spain: Organohalogen Compounds; 2002. p. 65-7.
301. Burgin DE, Diliberto JJ, Birnbaum LS. Comparing mixtures of dioxin-like and non dioxin-like PCBs to TCDD. Society of Toxicology Annual Meeting; March 17-21, 2002; Nashville, TN: The Toxicologist; 2002. p. 171.
302. Burgin DE, Diliberto JJ, Birnbaum LS. Comparing mixtures of dioxin-like and non dioxin-like PCBs to TCDD. Dioxin Symposium; August 11-16, 2002; Barcelona, Spain: Organohalogen Compounds; 2002. p. 375-8.
303. Diliberto JJ, DeVito MJ, Birnbaum LS. Relationship of tissue dose of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) to reversible biological responses. Society of Toxicology Annual Meeting; March 17-21, 2002; Nashville, TN: The Toxicologist; 2002. p. 170.
304. Diliberto JJ, DeVito MJ, Birnbaum LS. Using tissue dose of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) as a predictive response for reversible biochemical changes. Dioxin Symposium; August 11-16, 2002; Barcelona, Spain: Organohalogen Compounds; 2002. p. 171-3.
305. Emond C, DeVito MJ, Birnbaum LS. Physiologically based pharmacokinetic modeling as a tool for predicting dose response relationships for TCDD during development. Dioxin Symposium; August 11-16, 2002; Barcelona, Spain: Organohalogen Compounds; 2002. p. 119-22.
306. Staskal DF, Birnbaum LS, DeVito MJ. Inhibition of human and rat CYP1A2 by TCDD and dioxin-like chemicals. Society of Toxicology Annual Meeting; March 17-21, 2002; Nashville, TN: The Toxicologist; 2002. p. 171.
307. Staskal DF, DeVito MJ, Birnbaum LS. Dioxin and dioxin-like chemicals inhibit CYP1 activity. Dioxin Symposium; August 11-16, 2002; Barcelona, Spain: Organohalogen Compounds; 2002. p. 465-8.
308. Birnbaum L. Agent Orange in Vietnam and human effects: what should we look for? What might we expect? Dioxin Symposium; August 24-29, 2003; Boston, MA: Organohalogen Compounds; 2003. p. 251-4.
309. Burgin DE, Diliberto JJ, Birnbaum LS. Comparing environmentally relevant PCBs to TCDD. Society of Toxicology Annual Meeting; March 9-13, 2003; Salt Lake City, UT: The Toxicologist; 2003. p. 364.

310. DeVito MJ, Diliberto JJ, Ross DG, Emond C, Richardson VM, Birnbaum LS. Influence of type II diabetes and obesity on the disposition and elimination of TCDD in mice. Society of Toxicology Annual Meeting; March 9-13, 2003; Salt Lake City, UT: The Toxicologist; 2003. p. 364.
311. DeVito MJ, Walker N, Birnbaum LS. The influence of chemical impurity on estimating relative potency factors for PCBs. Dioxin Symposium; August 24-29, 2003; Boston, MA: Organohalogen Compounds; 2003. p. 288-91.
312. Emond C, Birnbaum LS, DeVito MJ. Application of a physiologically based pharmacokinetic (PBPK) model to aid in understanding relative potency factors for dioxin-like chemicals. Dioxin Symposium; August 24-29, 2003; Boston, MA: Organohalogen Compounds; 2003. p. 39-42.
313. Emond C, Birnbaum LS, DeVito MJ. Utilization of a PBPK model to predict the distribution of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) in humans during critical windows of development. Dioxin Symposium; August 24-29, 2003; Boston, MA: Organohalogen Compounds; 2003. p. 234-7.
314. Emond C, Birnbaum LS, DeVito MJ. Utilization of physiologically based pharmacokinetic model (PBPK) to study the influence of body fat mass and induction of CYP1A2 on the pharmacokinetics of TCDD. Dioxin Symposium; August 24-29, 2003; Boston, MA: Organohalogen Compounds; 2003. p. 203-6.
315. Farland WH, Birnbaum LS. The need for continued research on dioxin and related compounds. Dioxin Symposium; August 24-29, 2003; Boston, MA: Organohalogen Compounds; 2003. p. 337-9.
316. Godin SJ, Richardson VM, Diliberto JJ, Birnbaum LS, DeVito MJ. Influence of diabetes, obesity and 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) exposure on the expression of hepatic CYP1A2 in a murine model of type II diabetes. Society of Toxicology Annual Meeting; March 9-13, 2003; Salt Lake City, UT: The Toxicologist; 2003. p. 364.
317. Smialowicz R, Burgin DE, Williams WC, Diliberto JJ, Birnbaum LS. CYP1A2 is not required for 2,3,7,8-tetrachlorodibenzo-p-dioxin-induced immunosuppression. Society of Toxicology Annual Meeting; March 9-13, 2003; Salt Lake City, UT: The Toxicologist; 2003. p. 403.
318. Staskal D, Ross DG, Birnbaum LS, DeVito MJ. A comparison of the metabolism of methoxyresorufin, acetanilide and caffeine in rat and human CYP1A2 supersomes and their inhibition by 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD). Society of Toxicology Annual Meeting; March 9-13, 2003; Salt Lake City, UT: The Toxicologist; 2003. p. 363.
319. Staskal DF, DeVito MJ, Ross DG, Birnbaum LS. Caffeine, Acetanilide, and Methoxyresorufin Metabolism by Rat and Human CYP1A2 SUPERSOMES and their Inhibition by 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD). Dioxin Symposium; August 24-29, 2003; Boston, MA: Organohalogen Compounds; 2003. p. 324-7.
320. Birnbaum LS, Emond C, DeVito MJ. Application of a PBPK model to aid in understanding the relative potencies (REPS) of dioxin-like chemicals. Society of Toxicology Annual Meeting; March 21-25, 2004; Baltimore, MD: The Toxicologist; 2004. p. 362.
321. Emond C, DeVito MJ, Birnbaum LS, Michalek J. The influence of variable elimination rate and body fat mass in a PBPK model for TCDD in predicting the serum TCDD concentrations from veterans of Operation Ranch Hand. Society of Toxicology Annual Meeting; March 21-25, 2004; Baltimore, MD: The Toxicologist; 2004. p. 18.

322. Schecter A, Paepke O, Staskal D, Tung KC, Rosen R, Birnbaum LS. PBDE Contamination of U.S. food and human milk, and PBDE, PCDD/F, PCB, and levels in U.S. human blood. Brominated Flame Retardants (BFR) Annual Workshop; June 6-9, 2004; Toronto, Canada 2004.
323. Schecter AJ, Paepke O, Ryan JJ, Olson J, Malisch R, Birnbaum LS, Pavuk M. PBDEs in U.S. nursing mothers milk, food, and electronics: levels and estimated intake by various routes. Society of Toxicology Annual Meeting; March 21-25, 2004; Baltimore, MD: The Toxicologist; 2004. p. 392.
324. Staskal D, Diliberto JJ, DeVito MJ, Birnbaum LS. Disposition of 2, 2', 4, 4'-tetrabromodiphenyl ether (BDE 47) in female mice. Society of Toxicology Annual Meeting; March 21-25, 2004; Baltimore, MD: The Toxicologist; 2004. p. 393.
325. Bauer D, Staskal DF, Diliberto JJ, Birnbaum LS. Disposition of BDE 99 and BDE 153 in Female Mice. Society of Toxicology Annual Meeting; March 6-10, 2005; New Orleans, LA: The Toxicologist; 2005. p. 257.
326. Birnbaum LS. Introduction to brominated flame retardants. EPA Region 2 Science Day October 25, 2005; New York, NY: Environmental Protection Agency (EPA); 2005.
327. Birnbaum LS. PBDEs: toxicology update. National Forum on Contaminants in Fish; September 18-21, 2005; Baltimore, MD: Environmental Protection Agency (EPA); 2005. p. II-62-3; Birnbaum 1-3.
328. Birnbaum LS. Risk characterization of dioxins. Eurotox; September 11-14, 2005; Krakow, Poland: Toxicology Letters; 2005. p. S10.
329. Birnbaum LS, Schecter A. Brominated flame retardants: new findings. Society of Toxicology Annual Meeting; March 6-10, 2005; New Orleans, LA: The Toxicologist; 2005. p. 63.
330. Burgin DE, Diliberto JJ, Birnbaum LS. Comparing environmentally relevant PCBs to TCDD in CYP1A2 null and wildtype mice. Society of Toxicology Annual Meeting; March 6-10, 2005; New Orleans, LA: The Toxicologist; 2005. p. 80.
331. Diliberto JJ, DeVito MJ, Ross DG, Richardson VM, Birnbaum LS. Disposition of TCDD in a mouse model of obesity and type II diabetes. Society of Toxicology Annual Meeting; March 6-10, 2005; New Orleans, LA: The Toxicologist; 2005. p. 251.
332. Evans MV, Tornero-Velez R, DeVito MJ, Okino MS, Geller AM, Blancato JN, Birnbaum LS. Development of a physiologically based pharmacokinetic (PBPK) model to compare differences in disposition of trichloroethylene (TCE), and metabolites in adult versus elderly rats. Society of Toxicology Annual Meeting; March 6-10, 2005; New Orleans, LA: The Toxicologist; 2005. p. 175.
333. Farland WH, DeVito MJ, Birnbaum LS. The use of TEFs in assessing mixtures of dioxins, furans and dioxin-like PCBs. Society of Toxicology Annual Meeting; March 6-10, 2005; New Orleans, LA: The Toxicologist; 2005. p. 7.
334. Okino MS, Chiu WA, Evans MV, Power FW, Lipscomb JC, Tornero-Velez R, Dary CC, Blancato JN, Chen CY, Birnbaum LS. Suitability of using in vitro and computationally estimated parameters in simplified pharmacokinetic models. International Society for the Study of Xenobiotics (ISSX) Annual Meeting; October 23-27, 2005; Maui, HI: International Society for the Study of Xenobiotics (ISSX); 2005.
335. Schecter AJ, Paepke O, Ryan J, Birnbaum LS, Staskal D, Tung KC. PBDEs in U.S. humans, food, and environmental samples. Society of Toxicology Annual Meeting; March 6-10, 2005; New Orleans, LA: The Toxicologist; 2005. p. 64.

336. Staskal D, Bauer D, Birnbaum L. Congener-dependent distribution and excretion: A comparison of BDEs 47, 99, 100, and 153 toxicokinetics. Brominated Flame Retardants (BFR) Annual Workshop; June 3-6, 2005; Baltimore, MD2005.
337. Staskal D, Diliberto JJ, DeVito MJ, Birnbaum LS. Toxicokinetics of BDE 47 in mice. Society of Toxicology Annual Meeting; March 6-10, 2005; New Orleans, LA: The Toxicologist; 2005. p. 64.
338. Birnbaum L. Health effects of brominated flame retardants (BFRs). American Chemical Society (ACS) National Meeting; September 10-14, 2006; San Francisco, CA: Abstracts of Papers of the American Chemical Society; 2006. p. ENVR 256.
339. Birnbaum L. Brominated flame retardants: What we know and what we don't. Brominated Flame Retardants (BFR) Annual Workshop; June 24-27, 2006; Toronto, Canada2006.
340. Birnbaum L. Health aspects of brominated flame retardants (BFRs). Brominated Flame Retardants (BFR) Annual Workshop; June 24-27, 2006; Toronto, Canada2006.
341. Birnbaum LS. Risk characterizations of dioxins. International Congress on Occupational Health (ICOH); June 11-16, 2006; Milan, Italy Environmental Protection Agency; 2006.
342. Diliberto JJ, Staskal DF, Birnbaum LS. Developmental age effects on tissue disposition of BDE 47 in Mice. Society of Toxicology Annual Meeting; March 5-9, 2006; San Diego, CA: The Toxicologist; 2006. p. 115.
343. Diliberto JJ, Staskal DF, Hakk H, Bauer D, Birnbaum LS. Role of protein binding in the urinary excretion of PBDEs in mice. Dioxin Symposium; August 21-25, 2006; Oslo, Norway: Organohalogen Compounds; 2006. p. 1975-8.
344. Ferriby LL, Williams ES, Luksemburg WJ, Paustenbach DJ, Birnbaum LS, Haws L, Harris M. Comparing PCDDs, PCDFs, and dioxin-like PCBs in farm-raised and wild-caught Catfish from Southern Mississippi. Dioxin Symposium; August 21-25, 2006; Oslo, Norway: Organohalogen Compounds; 2006. p. 612-5.
345. Ferriby LL, Williams ES, Luksemburg WJ, Paustenbach DJ, Birnbaum LS, Haws LC, Harris MA. Comparing polychlorinated biphenyls in farm-raised and wild-caught catfish from Southern Mississippi. Dioxin Symposium; August 21-25, 2006; Oslo, Norway: Organohalogen Compounds; 2006. p. 2527-30.
346. Richardson VM, Staskal D, Birnbaum LS, DeVito MJ. Effects of BDE-47 on nuclear receptor regulated genes and implications for thyroid hormone disruption. Society of Toxicology Annual Meeting; March 5-9, 2006; San Diego, CA: The Toxicologist; 2006. p. 238.
347. Richardson VM, Staskal DF, Diliberto JJ, Birnbaum LS, DeVito MJ. Effects of 2,2',4,4'-Tetrabromodiphenyl ether on nuclear receptor regulated genes? implications for thyroid hormone disruption. Dioxin Symposium; August 21-25, 2006; Oslo, Norway: Organohalogen Compounds; 2006. p. 403-6.
348. Scott PK, Haws LC, Staskal DF, Birnbaum LS, Walker NJ, DeVito MJ, Harris MA, Farland WH, Finley BL, Unice KM. An alternative method for establishing TEFs for dioxin-like compounds. Part 1. Evaluation of decision analysis methods for use in weighting relative potency data. Dioxin Symposium; August 21-25, 2006; Oslo, Norway: Organohalogen Compounds; 2006. p. 2519-22.
349. Scott PK, Haws LC, Staskal DF, Birnbaum LS, Walker NJ, DeVito MJ, Harris MA, Farland WH, Finley BL, Unice KM. An alternative method for establishing TEFs for dioxin-like compounds. Part 2. Development of an approach to quantitatively weight the underlying potency data. Dioxin Symposium; August 21-25, 2006; Oslo, Norway: Organohalogen Compounds; 2006. p. 2523-6.

350. Staskal D, Diliberto JJ, Birnbaum LS. Effect of age on tissue disposition of BDE 47 in mice. Society of Toxicology Annual Meeting; March 5-9, 2006; San Diego, CA: The Toxicologist; 2006. p. 122-3.
351. Staskal DF, Ferriby LL, Williams ES, Luksemburg WJ, Haws LC, Birnbaum LS. Polybrominated dephenyl ethers in southern Mississippi catfish. Dioxin Symposium; August 21-25, 2006; Oslo, Norway: Organohalogen Compounds; 2006. p. 1839-42.
352. Staskal DF, Ferriby LL, Williams ES, Luksemburg WJ, Haws LC, Birnbaum LS. Polybrominated dephenyl ethers in southern Mississippi catfish. Dioxin Symposium; August 21-25, 2006; Oslo, Norway: Organohalogen Compounds; 2006. p. 1839-42.
353. Staskal DF, Scott PK, Haws LC, Birnbaum LS, Walker NJ, DeVito MJ, Harris MA, Farland WH, Finley BL, Unice KM. An alternative method for establishing TEFs for dioxin-like compounds. Part 3. development of weighted distributions of reps for PCB 126 and 2,3,7,8-PeCDF. Dioxin Symposium; August 21-25, 2006; Oslo, Norway: Organohalogen Compounds; 2006. p. 836-9.
354. Van den Berg M, Birnbaum LS, Denison M, DeVito MJ, Farland WH, Feeley M, Fiedler H, Hakansson H, Hanberg A, Haws L, Rose M, Safe S, Schrenk D, Tohyama C, Tritscher A, Tuomisto J, Tysklind M, Walker N, Peterson RE. Human and mammalian toxic equivalency factors for dioxins and dioxinlike compounds: the WHO 2005 re-evaluation*. Dioxin Symposium; August 21-25, 2006; Oslo, Norway: Organohalogen Compounds; 2006. p. 834-5.
355. Birnbaum LS. The effect of environmental chemicals on human health. University of California San Francisco Collaboration on Health and the Environment Summit on Environmental Challenges to Reproductive Health and Fertility; January 28-30, 2007; San Francisco, CA: Fertility and Sterility; 2007. p. e31.
356. Birnbaum LS. Health consequences of dioxin exposure. Dioxin Symposium; September 2-7, 2007; Tokyo, Japan: Organohalogen Compounds; 2007. p. 896-7.
357. Birnbaum LS. Health effects of brominated flame retardants (BFRs) Dioxin Symposium; September 2-7, 2007; Tokyo, Japan: Organohalogen Compounds; 2007. p. 670-3.
358. Birnbaum LS. Human health impacts of exposure to POPs. Network Conference on Persistent Organic Pollutants April 17-18, 2007; Birmingham, UK: Organohalogen Compounds; 2007. p. 275-7.
359. Birnbaum LS. A toxicological view of issues and approaches. Society for Risk Analysis Annual Meeting; December 9-12, 2007; San Antonio, TX: Society For Risk Analysis; 2007.
360. Diliberto JJ, Staskal DF, Hakk H, Birnbaum LS. Differential urinary protein binding of PBDEs in mice. Society of Toxicology Annual Meeting; March 25-29, 2007; Charlotte, NC: The Toxicologist; 2007. p. 415.
361. Dye JA, Venier M, Ward CR, Hites RA, Birnbaum LS. Brominated-flame retardants (BFRs) in cats – possible linkage to feline hyperthyroidism? American College of Veterinary Internal Medicine Annual Meeting; June 6-9, 2007; Seattle, WA: Journal of Veterinary Internal Medicine; 2007. p. 595.
362. Dye JA, Venier M, Ward CR, Hites RA, Birnbaum LS. Pet cats in the U.S. have high polybrominated diphenyl ether (PBDE) serum levels. Society of Toxicology Annual Meeting; March 25-29, 2007; Charlotte, NC: The Toxicologist; 2007. p. 176.
363. Dye JA, Venier M, Ward CR, Hites RA, Birnbaum LS. Brominated-flame retardants (BFRS) in cats - Possible linkage to feline hyperthyroidism? American College of Veterinary Internal Medicine (ACVIM) Forum; June 6-9, 2007; Seattle, WA: Journal of Veterinary Internal Medicine; 2007. p. 595.

364. Dye JA, Venier M, Zhu Y, Ward CR, Hites RA, Birnbaum LS. Comparison of PBDEs in cat serum to levels in cat food evidence of deca debromination. Dioxin Symposium; September 2-7, 2007; Tokyo, Japan: Organohalogen Compounds; 2007. p. 2666-9.
365. Emond C, Raymer JH, Garner E, Diliberto JJ, Staskal D, Birnbaum LS. A physiologically based pharmacokinetic model for developmental exposure to PBDE-47 in rodents. Society of Toxicology Annual Meeting; March 25-29, 2007; Charlotte, NC: The Toxicologist; 2007. p. 348.
366. Emond C, Staskal D, Birnbaum LS. Prediction of saturable elimination of 2,2',4,4'-tetrabromophenyl ether (BDE-47) using a physiologically based pharmacokinetic model in mice. International Congress of Toxicology (ICT); July 15-19, 2007; Montreal, Canada2007.
367. Emond C, Staskal DF, Birnbaum LS. Mechanistic description of dose-dependent urinary elimination of PBDE-47 in adult mice using a physiological based pharmacokinetic model. Dioxin Symposium; September 2-7, 2007; Tokyo, Japan: Organohalogen Compounds; 2007. p. 2651-4.
368. Hakk H, Huwe JK, Diliberto JJ, Stapleton HM, Birnbaum LS. Bioavailability of PBDEs in male rats from orally administered household dust. Society of Toxicology Annual Meeting; March 25-29, 2007; Charlotte, NC: The Toxicologist; 2007. p. 421.
369. Haws L, Walker N, DeVito MJ, Birnbaum LS, Unice KM, Scott PK, Harris M, Farland WH, Finley B, Staskal D. Development of weighted distributions of reps for dioxin-like compounds (DLCs). Society of Toxicology Annual Meeting; March 25-29, 2007; Charlotte, NC: The Toxicologist; 2007. p. 323.
370. Huwe J, Hakk H, Diliberto JJ, Richardson VM, Stapleton HM, Birnbaum LS. Are polybrominated diphenyl ethers from household dust bioavailable and biologically active? International Society of Exposure Science (ISES) Annual Conference; October 14-18, 2007; Research Triangle Park, NC: International Society of Exposure Science (ISES) 2007. p. 581.
371. Huwe JK, Hakk H, Diliberto JJ, Stapleton HM, Birnbaum LS. Comparative oral bioavailability of PBDEs from dust and oil in male rats. Brominated Flame Retardants (BFR) Annual Workshop; April 24-27, 2007; Amsterdam, Netherlands2007.
372. La Merrill M, Birnbaum LS, Threadgill DW. Assessing TCDD wasting syndrome in an in vivo obesity model. Society of Toxicology Annual Meeting; March 25-29, 2007; Charlotte, NC: The Toxicologist; 2007. p. 149.
373. Nguyen LM, Staskal D, Williams ES, Luksemburg WJ, Haws L, Birnbaum LS, Paustenbach DJ, Harris M. Dietary intake of PBDEs based on consumption of catfish in Southern Mississippi. Society of Toxicology Annual Meeting; March 25-29, 2007; Charlotte, NC: The Toxicologist; 2007. p. 147.
374. Raymer JH, Studabaker WB, Michael LC, Murtha A, Emond C, Birnbaum LS. Potential media for monitoring in utero exposure to 2,2',4,4'-tetrabromodiphenyl ether. International Society of Exposure Science (ISES) Annual Conference; October 14-18, 2007; Research Triangle Park, NC: International Society of Exposure Science (ISES) 2007. p. 185.
375. Richardson VM, Hakk H, Diliberto JJ, Birnbaum LS. Effects on hepatic gene expression in male rats administered PBDEs in household dust. Society of Toxicology Annual Meeting; March 25-29, 2007; Charlotte, NC: The Toxicologist; 2007. p. 176.
376. Richardson VM, Hakk H, Huwe JK, Diliberto JJ, Stapleton HM, Birnbaum LS. Bioavailability and biological response of PBDEs administered to rats in household dust. Dioxin Symposium; September 2-7, 2007; Tokyo, Japan: Organohalogen Compounds; 2007. p. 690-3.

377. Staskal DF, Scott LL, Williams ES, Luksemburg WJ, Haws LC, Birnbaum LS, Nguyen LM, Paustenbach DJ, Harris MA. Daily intake estimates of PBDEs associated with consumption of catfish in the U.S. Brominated Flame Retardants (BFR) Annual Workshop; April 24-27, 2007; Amsterdam, Netherlands2007.
378. Szabo DT, Diliberto JJ, Richardson V, Kodavanti PR, Birnbaum LS. Perinatal exposure to DE-71, a PBDE commercial mixture, alters the expression of genes involved in thyroid hormone homeostasis in male rates. International Congress of Toxicology (ICT); July 15-19, 2007; Montreal, Canada2007.
379. Szabo DT, Diliberto JJ, Richardson VM, Kokavanti PS, Birnbaum LS. Perinatal exposure to DE-71 alters expression of hepatic genes involved in thyroid hormone disruption in male rats. Society of Toxicology Annual Meeting; March 25-29, 2007; Charlotte, NC: The Toxicologist; 2007. p. 175.
380. Birnbaum LS. Human health impacts of exposure to POPs: unanswered questions. Dioxin Symposium; August 17-22, 2008; Birmingham, UK: Organohalogen Compounds; 2008. p. 275-7.
381. Diliberto JJ, Becker J, Jude D, Sirinek L, Patterson Jr DG, Turner WE, Landy RB, Hughes TJ, Staats DA, Birnbaum LS. Cohort study of women in West Virginia: Serum levels of dioxin and dioxin-like compounds. Dioxin Symposium; August 17-22, 2008; Birmingham, UK: Organohalogen Compounds; 2008. p. 654-7.
382. Emond C, Pelekis M, Birnbaum LS. Physiologically based pharmacokinetic modeling as a tool for predicting lifetime exposure of PBDE in humans: From infants to elderly. Dioxin Symposium; August 17-22, 2008; Birmingham, UK: Organohalogen Compounds; 2008. p. 1993-6.
383. Haws L, Unice KM, Tachovsky A, Harris M, DeVito MJ, Walker NJ, Birnbaum LS, Farland WH, Nguyen LM, Staskal D. Assessment of the impact of using weighted distributions of REPs to develop exposure estimates for dioxin-like compounds. Dioxin Symposium; August 17-22, 2008; Birmingham, UK: Organohalogen Compounds; 2008. p. 414-7.
384. Haws LC, DeVito MJ, Walker JN, Birnbaum LS, Unice KM, Scott PK, Harris MA, Tachovsky JA, Farland WH, Finley B, Staskal DF. Development of weighted distribution of reps for dioxin-like compounds: Implications for risk assessment. Society of Toxicology Annual Meeting; March 16-20, 2008; Seattle, WA: The Toxicologist; 2008. p. 242.
385. Huwe JK, Hakk H, Stapleton HM, Birnbaum LS. Tissue Distribution of Polybrominated Diphenyl Ethers in Rats Following Oral Exposure and the Relationship to Body Burdens. International Society for Environmental Epidemiology (ISEE) Conference; October 12-16, 2008; Pasadena, CA: Epidemiology; 2008. p. S76.
386. Kodavanti PR, Birnbaum LS. Overview of current Tefs as it relates to current PCB 2 exposures: What is needed? . PCB Workshop; May 18-22, 2008; Iowa City, IA2008.
387. La Merrill M, Harper R, Birnbaum LS, Cardiff RD, Threadgill DW. Obesity and perinatal TCDD exposure increases mammary tumor incidence in Fvb mice. Keystone Symposium; February 19-24, 2008; Taos, NM2008.
388. La Merrill M, Birnbaum LS, Cardiff RD, Threadgill DW. Obesity and perinatal TCDD exposure increases mammary tumors in Fvb mice. Society of Toxicology Annual Meeting; March 16-20, 2008; Seattle, WA: The Toxicologist; 2008. p. 140.
389. Mitchell KA, Radio N, Birnbaum LS, Burns Naas L. Putting your best foot forward: job interviewing workshop for early-career scientists. Society of Toxicology Annual Meeting; March 16-20, 2008; Seattle, WA: The Toxicologist; 2008. p. 129.

390. Szabo DT, Diliberto JJ, Birnbaum LS. Hexabromocyclododecane gamma (HBCD- γ): tissue disposition and elimination kinetics in mice. Dioxin Symposium; August 17-22, 2008; Birmingham, UK: Organohalogen Compounds; 2008. p. 1220-3.
391. Szabo DT, Diliberto JJ, Richardson VM, Ross DG, Kodavanti PR, Birnbaum LS. Effects on hepatic deiodenase 1 and thyroid hormone levels in perinatally exposed rats to a PBDE commercial mixture. Society of Toxicology Annual Meeting; March 16-20, 2008; Seattle, WA: The Toxicologist; 2008. p. 20.
392. Birnbaum L. Effects of brominated flame retardants: health and regulations. Brominated Flame Retardants (BFR) Annual Workshop; May 19-20, 2009; Ottawa, Canada 2009. p. 13.
393. Birnbaum LS, Szabo DT, Diliberto JJ, Huwe J. Integrating toxicology and epidemiology for risk assessment toxicokinetics of the diastereomer specific flame retardant hexabromocyclododecane: effect of dose, time, and repeated exposure. Dioxin Symposium; August 23-28, 2009; Beijing, China: Organohalogen Compounds; 2009. p. 2328-31.
394. Diliberto JJ, Becker J, Jude D, Sirinek L, Patterson Jr DG, Turner WE, Landy RB, Hughes TJ, Staats de Yanes G, Birnbaum LS. Serum levels of dioxin-like compounds in women living in a highly industrialized area of West Virginia. Society of Toxicology Annual Meeting; March 15-19, 2009; Baltimore, MD: The Toxicologist; 2009. p. 417.
395. Haws LC, DeVito MJ, Walker NJ, Birnbaum LS, Farland WH, Harris MA, Tachovsky JA, Unice KM, Scott PK, Staskal DF. Development of distributions of relative potency estimates to quantitatively assess uncertainty inherent in the TEFs for dioxin-like compounds: a proposed consensus-based weighting framework. Dioxin Symposium; August 23-28, 2009; Beijing, China: Organohalogen Compounds; 2009. p. 2230-5.
396. Schecter A, Colacino J, Haffner D, Opel M, Paepke O, Birnbaum LS. Polybrominated diphenyl ethers, organochlorine pesticides, polychlorinated biphenyls and perfluorinated compounds in composite samples of United States food. Dioxin Symposium; August 23-28, 2009; Beijing, China: Organohalogen Compounds; 2009. p. 959-64.
397. Schecter A, Colacino J, Kurunthachalam K, Yun SH, Harris TR, Paepke O, Birnbaum LS. Trends in polybrominated diphenyl ether levels in breast milk, blood and food from the United States. Brominated Flame Retardants (BFR) Annual Workshop; May 19-20, 2009; Ottawa, Canada 2009.
398. Schecter AJ, Colacino JA, Kannan K, Yun SH, Harris TR, Paepke O, Birnbaum LS. Polybrominated diphenyl ethers in food from the USA: trends by time and location. Dioxin Symposium; August 23-28, 2009; Beijing, China: Organohalogen Compounds; 2009. p. 857-62.
399. Schecter AJ, Colacino JA, Kurunthachalam K, Yun SH, Paepke O, Birnbaum LS. Results of a new survey show increasing levels of PBDEs in U.S. food. Society of Toxicology Annual Meeting; March 15-19, 2009; Baltimore, MD: The Toxicologist; 2009. p. 420.
400. Shields LE, Staskal D, Ray R, Birnbaum LS, Scheibe RR. Evaluation of risk trade-offs in passenger compartment fire retardant usage – a case study. Society of Automotive Engineers (SAE) International World Congress; April 20-23, 2009; Detroit, MI 2009. p. 51-68.
401. Staskal D, Birnbaum LS. Screening-level assessment of risk associated with exposure to PBDEs in vehicles. Society of Toxicology Annual Meeting; March 15-19, 2009; Baltimore, MD: The Toxicologist; 2009. p. 419-20.
402. Staskal DF, Harris MA, Haws LC, Birnbaum LS, Tachovsky JA. Probabilistic evaluation of cancer and non-cancer risk associated with exposure to BDE 209 in automobiles. Dioxin Symposium; August 23-28, 2009; Beijing, China: Organohalogen Compounds; 2009. p. 2117-22.

403. Szabo DT, Diliberto J, Huwe J, Birnbaum L. Toxicokinetics of the stereoisomer specific flame retardant hexabromocyclododecane (Hbcd) gamma: effect of dose, time, repeated, intravenous, and developmental exposure. Brominated Flame Retardants (BFR) Annual Workshop; May 19-20, 2009; Ottawa, Canada 2009. p. 36.
404. Szabo DT, Diliberto JJ, Huwe J, Birnbaum LS. Toxicokinetics of the stereoisomer specific flame retardant hexabromocyclododecane (HBCD) gamma: effect on dose, time, and repeated exposure. Society of Toxicology Annual Meeting; March 15-19, 2009; Baltimore, MD: The Toxicologist; 2009. p. 263264.
405. Birnbaum LS. Legacy and enduring POPs. Society of Toxicology Annual Meeting; March 7-11, 2010; Salt Lake City, UT: The Toxicologist; 2010. p. 136.
406. Blum A, Shaw SD, Birnbaum LS. Pbdes and their replacements: does the benefit justify the harm? Dioxin Symposium; September 12-17, 2010; San Antonio, TX: Organohalogen Compounds; 2010. p. 1296-301.
407. Daley RE, Shaw SD, Birnbaum LS, Blum A. It's all about penta: informing decision-makers about the properties of penta-bde and its replacements. Dioxin Symposium; September 12-17, 2010; San Antonio, TX: Organohalogen Compounds; 2010. p. 1673-6.
408. Diliberto JJ, Sirinek L, Becker J, Jude D, Patterson Jr DG, Turner WE, Burkhalter B, Haws L, Tachovsky A, Landy RB, Birnbaum LS. Cohort of women living in a highly industrialized area of Kanawha River Valley in West Virginia: endometriosis and blood levels of dioxin and dioxin-like chemicals. Dioxin Symposium; September 12-17, 2010; San Antonio, TX: Organohalogen Compounds; 2010. p. 1181-3.
409. Diliberto JJ, Szabo DT, Huwe J, Birnbaum LS. Disposition of the brominated flame retardant HBCD alpha and gamma in developing mice over time. Society of Toxicology Annual Meeting; March 7-11, 2010; Salt Lake City, UT: The Toxicologist; 2010. p. 334.
410. Emond C, DeVito MJ, Birnbaum LS. Design and application of a physiologically-based pharmacokinetic (pbpk) model for tcdd dose-response modeling as a tool for human risk assessment. Dioxin Symposium; September 12-17, 2010; San Antonio, TX: Organohalogen Compounds; 2010. p. 1481-4.
411. Emond C, DeVito MJ, Warner M, Patterson Jr DG, Needham L, Mocarelli P, Eskenazi B, Birnbaum LS. Physiologically based pharmacokinetic modeling (pbpk) as a tool for predicting tcdd blood concentration in women living near seveso. Dioxin Symposium; September 12-17, 2010; San Antonio, TX: Organohalogen Compounds; 2010. p. 1707-10.
412. Hakk H, Huwe J, Szabo DT, Diliberto JJ, Birnbaum LS. Metabolism of alpha- and gamma-hexabromocyclododecane and enantioselective fractions of alpha-, beta-, gamma-isomers in mice. Dioxin Symposium; September 12-17, 2010; San Antonio, TX: Organohalogen Compounds; 2010. p. 1154-7.
413. Schecter A, Smith AH, Colacino J, Malik N, Patel K, Peterson M, Paepke O, Birnbaum LS. Contamination of U.S. food with BPA. Dioxin Symposium; September 12-17, 2010; San Antonio, TX: Organohalogen Compounds; 2010. p. 20-3.
414. Schecter AJ, Birnbaum LS. POPs: What's new and why should we care? Society of Toxicology Annual Meeting; March 7-11, 2010; Salt Lake City, UT: The Toxicologist; 2010. p. 136.
415. Schecter AJ, Colacino J, Harris TR, Opel M, Paepke O, Kannan K, Birnbaum LS. POPs in the U.S. population and in U.S. food. Society of Toxicology Annual Meeting; March 7-11, 2010; Salt Lake City, UT: The Toxicologist; 2010. p. 137.

416. Szabo DT, Diliberto JJ, Hakk H, Huwe JK, Birnbaum LS. Toxicokinetic differences between two major HBCD stereoisomers: effect of dose, time, repeated exposure, and route. Society of Toxicology Annual Meeting; March 7-11, 2010; Salt Lake City, UT: The Toxicologist; 2010. p. 334.
417. Szabo DT, Hakk H, Diliberto JJ, Huwe J, Birnbaum LS. In vivo stereoisomerization of HBCD gamma and alpha is tissue and stereoisomer specific. Dioxin Symposium; September 12-17, 2010; San Antonio, TX: Organohalogen Compounds; 2010. p. 558-61.
418. Tice RR, Kavlock RJ, Smith C, Xia M, Judson RS, Birnbaum LS. The Tox21st community and the future of toxicology testing. Society of Toxicology Annual Meeting; March 7-11, 2010; Salt Lake City, UT: The Toxicologist; 2010. p. 367.
419. Emond C, DeVito MJ, Warner M, Eskenazi B, Mocarelli P, Birnbaum LS. Physiologically based pharmacokinetic modeling (PBPK) as a tool to predict 2, 3, 7, 8-tetrachlorodibenzo-p-dioxin (TCDD) pharmacokinetics (PK) during gestation and lactation. Society of Toxicology Annual Meeting; March 6-11, 2011; Washington, DC: The Toxicologist; 2011. p. 153.
420. La Merrill M, Birnbaum LS. The Potential Role of Developmental Chemical Exposures in Contributing to the Obesity Epidemic. Dioxin Symposium; August 21-25, 2011; Brussels, Belgium: Organohalogen Compounds; 2011. p. 1499-501.
421. Schecter A, Malik-Bass N, Calafat AM, Kayoko K, Basden B, Dunbar C, Jia T, Colacino J, Harris TR, Malla S, Birnbaum LS. Polyfluoroalkyl Compounds (PFCs) in Texas Children from Birth Through 12 Years of Age. Dioxin Symposium; August 21-25, 2011; Brussels, Belgium: Organohalogen Compounds; 2011. p. 932-4.
422. Schecter A, Malik-Bass N, Harris TR, Malla S, Paepke O, Birnbaum LS. Hexabromocyclododecane (HBCD) Stereoisomers in U.S. Food. Dioxin Symposium; August 21-25, 2011; Brussels, Belgium: Organohalogen Compounds; 2011. p. 346-7.
423. Schecter AJ, Malik N, Paepke O, Birnbaum LS. Bisphenol A (BPA) and hexabromocyclododecane (HBCD) stereoisomers in U.S. food. Society of Toxicology Annual Meeting; March 6-11, 2011; Washington, DC: The Toxicologist; 2011. p. 268.
424. Shaw SD, Blum A, Weber R, Kannan K, Rich D, Lucas D, Koshland CP, Dobraca D, Hanson S, Birnbaum LS. Halogenated Flame Retardants: Do the Fire Safety Benefits Justify the Risks? Dioxin Symposium; August 21-25, 2011; Brussels, Belgium: Organohalogen Compounds; 2011. p. 2036-9.
425. Szabo DT, Pathmasiri W, Diliberto JJ, Sumner S, Birnbaum LS. Metabolic analysis of serum after treatment with the emerging POP flame retardant hexabromocyclododecane (HBCD): commercial mixture, alpha and gamma stereoisomers elicit differential effects in infantile mice. Society of Toxicology Annual Meeting; March 6-11, 2011; Washington, DC: The Toxicologist; 2011. p. 482.
426. Birnbaum LS. Early-life exposures to endocrine-active chemicals promotes breast cancer risk later in life. Society of Toxicology Annual Meeting; March 11-15, 2012; San Francisco, CA: The Toxicologist; 2012. p. 173.
427. Birnbaum LS. Endocrine disruptors: where do we go from here? Dioxin Symposium; August 26-31, 2012; Cairns, Australia: Organohalogen Compounds; 2012. p. 1393-4.
428. Birnbaum LS, Jung P. Environmental health research at NIEHS: Current priorities and plans for the future. Dioxin Symposium; August 26-31, 2012; Cairns, Australia: Organohalogen Compounds; 2012. p. 1449-51.

429. Birnbaum LS, Schecter AJ, Szabo DT, Colacino JA, Gent TL, Bass N, Paepke O, Hynan LS, Harris TR, Malla S. Hexabromocyclododecane (HBCD) stereoisomers in U.S. food and adult daily dietary intake. Society of Toxicology Annual Meeting; March 11-15, 2012; San Francisco, CA: The Toxicologist; 2012. p. 237.
430. Birnbaum LS, Skoglund RS, Juberg DR, Andersen ME, Bradbury SP, Stephens ML, Hartung TA. Scientific, regulatory, and public perspectives on the credibility and use of alternative toxicological test methods in a legislative framework. Society of Toxicology Annual Meeting; March 11-15, 2012; San Francisco, CA: The Toxicologist; 2012. p. 471.
431. Blum A, Babrauskas V, Birnbaum LS. Replacements for pentaBDE flame retardant: is there an improvement in fire safety or health impacts? Dioxin Symposium; August 26-31, 2012; Cairns, Australia: Organohalogen Compounds; 2012. p. 1513-6.
432. Blum A, Babrauskas V, Fuoco R, Birnbaum LS. Risk-benefit assessment of flame retardant chemicals. Society of Toxicology Annual Meeting; March 11-15, 2012; San Francisco, CA: The Toxicologist; 2012. p. 21.
433. Emond C, DeVito MJ, Warner M, Eskenazi B, Mocarelli P, Birnbaum LS. An assessment of dioxin exposure across multiple gestational and lactational stages using a PBPK model and new data points from Seveso. Society of Toxicology Annual Meeting; March 11-15, 2012; San Francisco, CA: The Toxicologist; 2012. p. 94-5.
434. Frawley R, White Jr K, Smith M, Walker JN, Birnbaum LS, DeVito MJ, Germolec D. Immunological evaluation of the relative potency of a single oral administration of brominated and chlorinated dioxins and furans in female B6C3F1 mice. Society of Toxicology Annual Meeting; March 11-15, 2012; San Francisco, CA: The Toxicologist; 2012. p. 541.
435. Sanders JM, Knudsen GA, Birnbaum LS. The disposition of beta-hexabromocyclododecane (HBCD) in mice. Dioxin Symposium; August 26-31, 2012; Cairns, Australia: Organohalogen Compounds; 2012. p. 1047-50.
436. Schecter A, Lorber M, Guo Y, Wu Q, Yun SH, Kannan K, Miller J, Hommel M, Imran N, Hynan LS, Cheng D, Colacino J, Birnbaum LS. Phthalates and dietary exposure in U.S. food. Dioxin Symposium; August 26-31, 2012; Cairns, Australia: Organohalogen Compounds; 2012. p. 743-7.
437. Schecter AJ, Bass N, Calafat AM, Kato K, Colacino J, Harris TR, Hynan LS, Gent TL, Malla S, Birnbaum LS. Polyfluoroalkyl compounds (PFCS) in Texas - children from birth through 12 years of age. Society of Toxicology Annual Meeting; March 11-15, 2012; San Francisco, CA: The Toxicologist; 2012. p. 456.
438. Scott LL, Mortimer D, Birnbaum LS. Brominated flame retardants (BFRs) in food and food products and impact of dietary intake on body burden: Policy implications for regulating BFRs in the U.S. Dioxin Symposium; August 26-31, 2012; Cairns, Australia: Organohalogen Compounds; 2012. p. 1109-13.
439. Szabo DT, Shah RR, Birnbaum LS. A transcriptomics approach using HBCD to prioritize chemicals and mixtures for developmental neurotoxicity risk assessment. Society of Toxicology Annual Meeting; March 11-15, 2012; San Francisco, CA: The Toxicologist; 2012. p. 103.
440. Wikoff DS, DeVito MJ, Walker JN, Hixon JG, Harris MA, Tachovsky JA, Birnbaum LS, Haws LC. Application of machine learning in the development of a weighting framework for evaluating estimates of relative potency for dioxin-like compounds. Society of Toxicology Annual Meeting; March 11-15, 2012; San Francisco, CA: The Toxicologist; 2012. p. 372.
441. Balshaw D, Birnbaum LS, Collman GW. The exposome: an approach for untargeted discovery in environmental health. International Society for Environmental Epidemiology (ISEE) Conference; August 19-23; Basel, Switzerland: Environmental Health Perspectives; 2013.

442. Birnbaum LS. Low-dose and non-monotonic dose response curves for endocrine disruptors. Society of Toxicology Annual Meeting; March 10-14, 2013; San Antonio, TX: The Toxicologist; 2013. p. 342.
443. Frawley R, Smith M, White Jr K, Walker JN, Birnbaum LS, Maynor T, DeVito MJ, Germolec DR. Alterations in xenobiotic metabolizing enzyme and immune relevant genes following administration of brominated and chlorinated dioxins and furans in female B6C3F1 mice. Society of Toxicology Annual Meeting; March 10-14, 2013; San Antonio, TX: The Toxicologist; 2013. p. 424.
444. Haws LC, Hixon G, DeVito MJ, Walker JN, Kuriakose L, Harris M, Birnbaum LS, Wikoff D. Development of weighted distributions of relative potency estimates for dioxin-like compounds. Society of Toxicology Annual Meeting; March 10-14, 2013; San Antonio, TX: The Toxicologist; 2013. p. 426.
445. Knudsen GA, Sanders JM, Sadik AM, Birnbaum LS. Disposition and kinetics of tetrabromobisphenol A (TBBPA) in female Wistar-Ham rats. Society of Toxicology Annual Meeting; March 10-14, 2013; San Antonio, TX: The Toxicologist; 2013. p. 104.
446. Orme-Zavaleta J, Birnbaum LS. Exposure science in the 21st century: perspectives from the NAS and what it means for toxicology. Society of Toxicology Annual Meeting; March 10-14, 2013; San Antonio, TX: The Toxicologist; 2013. p. 525.
447. Sanders JM, Knudsen GA, Sadik AM, Birnbaum LS. Characterization of the fate of β -hexabromocyclododecane (HBCD) in mice. Society of Toxicology Annual Meeting; March 10-14, 2013; San Antonio, TX: The Toxicologist; 2013. p. 105.
448. Schecter A, Cherry D, Thiex NW, Kannan K, Yun SH, Liao C, Wang L, Hynan LS, Cheng D, Kassajian K, Waqar M, Moye J, Birnbaum LS. PBDE, BPA and BPS in mothers and children from a U.S. National Children's Study formative project. Dioxin Symposium; August 25-30, 2013; Daegu, Korea: Organohalogen Compounds; 2013. p. 1212-6.
449. Schecter A, Quynh HT, Cheng D, Tuyet-Hanh TT, Kassajian K, Birnbaum LS. Biomonitoring of Vietnamese rural home-based women electronic waste recycling workers. Dioxin Symposium; August 25-30, 2013; Daegu, Korea: Organohalogen Compounds; 2013. p. 1146-9.
450. Schecter AJ, Cherry D, Hynan LS, Cheng D, Imran N, Hommel M, Kannan K, Wang L, Yun SH, Thiex N, Specter B, Moye J, Birnbaum LS. Maternal and child polybrominated diphenyl ether (PBDE) levels in U.S. National Children's Study (NCS) formative research. Society of Toxicology Annual Meeting; March 10-14, 2013; San Antonio, TX: The Toxicologist; 2013. p. 388.
451. Szabo DT, Birnbaum LS. Multiple organ-omic integration for HBCD developmental neurotoxicity hazard identification. Society of Toxicology Annual Meeting; March 10-14, 2013; San Antonio, TX: The Toxicologist; 2013. p. 349.
452. Birnbaum LS, Knudsen GA, Sanders JM. Fates of Two Emerging Brominated Flame Retardants, 2-Ethylhexyl Tetrabromobenzoate and Bis(2-ethylhexyl Tetrabromophthalate, in Female Sprague-Dawley Rats. Society of Toxicology Annual Meeting; March 23-27, 2014; Phoenix, AZ: The Toxicologist; 2014. p. 232-3.
453. Birnbaum LS, Mahadevan B, Rao P, Swanson HI, Aardema M, Burns Naas L. Leadership In Science: Skills and Styles. Society of Toxicology Annual Meeting; March 23-27, 2014; Phoenix, AZ: The Toxicologist; 2014. p. 554.
454. Birnbaum LS, Sanders JM, Knudsen GA, Coulter SJ, Dunnick JK. The Effects of Five Days of Tetrabromobisphenol A (TBBPA) Treatment in Female Rats. Society of Toxicology Annual Meeting; March 23-27, 2014; Phoenix, AZ: The Toxicologist; 2014. p. 239.

455. Birnbaum LS, Schecter AJ, Cherry D, Liao C, Yun SH, Kannan K, Moyer J, Thiex N, Shropshire WC. Serial Measurements of BPA and BPS in Texas Mother-Infant Pairs from the 3rd Trimester of Pregnancy through the 4th Month of Lactation. Society of Toxicology Annual Meeting; March 23-27, 2014; Phoenix, AZ: The Toxicologist; 2014. p. 398.
456. Knudsen GA, Coulter SJ, Sanders JM, Birnbaum LS. Biological effects of tetrabromobisphenol a (tbbpa) in female wistar-han rats. Dioxin Symposium; August 31 - September 5, 2014; Madrid, Spain: Organohalogen Compounds; 2014. p. 1360-3.
457. Knudsen GA, Sanders JA, Birnbaum LS. Biological fate of the emerging brominated flame retardants, 2-ethylhexyl tetrabromobenzoate (tbb) and bis(2-ethylhexyl)tetrabromophthalate (tbph), in female sprague dawley rats. Dioxin Symposium; August 31 - September 5, 2014; Madrid, Spain: Organohalogen Compounds; 2014. p. 1364-7.
458. Miller MF, Birnbaum LS. Environmental exposures, endocrine disrupting chemicals, and new approaches to the science of risk assessment. Dioxin Symposium; August 31 - September 5, 2014; Madrid, Spain: Organohalogen Compounds; 2014. p. 1161-3.
459. Schecter A, Lorber M, Paepke O, Shropshire W, Christensen K, Gill J, Birnbaum LS. Exposure to bisphenol a (BPA) from fresh, frozen and canned food from Dallas, Texas, U.S.A. Dioxin Symposium; August 31 - September 5, 2014; Madrid, Spain: Organohalogen Compounds; 2014. p. 1232-5.
460. Schecter A, Shropshire W, Quynh HT, Oduor H, Hynan LS, Gill J, Birnbaum LS. Biomonitoring of Selected Halogenated Organics and Metals in Vietnamese Women Electronic Waste Incinerator Workers. Dioxin Symposium; August 31 - September 5, 2014; Madrid, Spain: Organohalogen Compounds; 2014. p. 1218-21.
461. Hull EP, Knudsen GA, Sanders JM, Birnbaum LS. Biological fate of the emerging brominated flame retardant, decabromodiphenyl ethane, in female Sprague Dawley rats. Society of Toxicology Annual Meeting; March 22-26, 2015; San Diego, CA: The Toxicologist; 2015. p. 450.
462. Hull EP, Knudsen GA, Sanders JM, Birnbaum LS. The US Tox21 Collaboration: Advances Made and Lessons Learned. Society of Toxicology Annual Meeting; March 22-26, 2015; San Diego, CA: The Toxicologist; 2015. p. 8.
463. Knudsen GA, McIntosh KL, Sanders JM, Hughes MF, Birnbaum LS. Dermal Uptake of Tetrabromobisphenol A (TBBPA) by Female Wistar Han Rat or Human Skin. Society of Toxicology Annual Meeting; March 22-26, 2015; San Diego, CA: The Toxicologist; 2015. p. 271.
464. Mitro SD, Birnbaum LS, Needham BL, Zota AR. Cross-sectional Associations between Exposure to Persistent Organic Pollutants and Leukocyte Telomere Length among U.S. Adults in NHANES, 2001-2002. International Society for Environmental Epidemiology (ISEE) Conference; August 30 - September 3, 1985; Sao Paulo, Brazil: Environmental Health Perspectives; 2015. p. 651-8.
465. Mitro SD, Birnbaum LS, Needham BL, Zota AR. Cross-sectional associations between exposure to persistent organic pollutants and leukocyte telomere length among US adults: National Health and Nutrition Examination Survey, 2001-2002. International Society for Environmental Epidemiology (ISEE) Conference; August 30-September 3; Sao Paulo, Brazil: Environmental Health Perspectives; 2015.
466. Nadadur SS, Birnbaum LS. Comprehensive Analysis of Nano Silver Toxicity Profiles: Known, Unknown and Surprises! Society of Toxicology Annual Meeting; March 22-26, 2015; San Diego, CA: The Toxicologist; 2015. p. 521.

467. Pavuk M, Dutton ND, Sjödin A, Lewin M, Birnbaum LS. Temporal changes of serum concentrations of Polychlorinated biphenyls and organochlorine pesticides in a residential cohort. Dioxin Symposium; August 23-28, 2015; Sao Paulo, Brazil: Organohalogen Compounds; 2015. p. 472-5.
468. Sanders JM, Knudsen GA, Birnbaum LS. The disposition of 2-ethylhexyl tetrabromobenzoate (TBB) in female Sprague Dawley rats after single and multiple dose administration by gavage. Society of Toxicology Annual Meeting; March 22-26, 2015; San Diego, CA: The Toxicologist; 2015. p. 451.
469. Schecter A, Sjödin A, Quynh HT, Caldwell K, Shropshire W, Jones R, Wong LY, Cheng PY, Hynan LS, Birnbaum LS. Halogenated organics and metals in Vietnamese female electronic waste recyclers and a non-exposed cohort. Dioxin Symposium; August 23-28, 2015; Sao Paulo, Brazil: Organohalogen Compounds; 2015. p. 582-5.
470. Birnbaum LS. Early life contributions to breast cancer risk. International Congress of Toxicology; October 2-6, 2016; Merida, Yucatan, Mexico: Toxicology Letters; 2016. p. S59.
471. Birnbaum LS. Gulf Oil Spill Response: Health Research, Community-Academic Partnerships, Lessons Learned, and Future Preparedness. Society of Toxicology Annual Meeting; March 13-17, 2016; New Orleans, LA: The Toxicologist; 2016. p. 12.
472. Birnbaum LS. Long-term impacts of early life exposures. International Congress of Toxicology; October 2-6, 2016; Merida, Yucatan, Mexico: Toxicology Letters; 2016. p. S1.
473. Birnbaum LS, Miller MF, Rooney AR. Systematic Evaluation of Health Effects for Persistent Organic Pollutants: A Case Study of Perfluorooctanoic Acid (PFOA) and Perfluorooctane Sulfonate (PFOS). Dioxin Symposium; August 28 - September 2, 2016; Florence, Italy: Organohalogen Compounds; 2016. p. 49-52.
474. Birnbaum LS, Pavuk M, Sjödin A, Jones RS, Lewin M, Yang E. Exposure to dioxins and dioxin-like compounds in a follow-up study of the Anniston Community Health Survey (ACHS II). Dioxin Symposium; August 28 - September 2, 2016; Florence, Italy: Organohalogen Compounds; 2016. p. 63-7.
475. Chandler KJ, Milliman E, Birnbaum LS, Newton SA. A Computational Approach to Evaluate NIEHS-Funded Scientific Literature in the Context of the 2012-2017 NIEHS Strategic Plan. Society of Toxicology Annual Meeting; March 13-17, 2016; New Orleans, LA: The Toxicologist; 2016. p. 468.
476. Chandramouli B, Cosgrove JR, Butler H, Patterson Jr DG, Birnbaum LS, Pavuk M. Linking PCB congener concentrations and metabolomics profiles in Anniston residents: a pilot study. Dioxin Symposium; August 28 - September 2, 2016; Florence, Italy: Organohalogen Compounds; 2016. p. 56-8.
477. Clair H, Pinkston CM, Brock G, Pavuk M, Falkner K, Prough RA, Cave MC, Birnbaum LS. Sensitive and specific liver injury biomarkers: elevated liver disease in organochlorine toxicant exposed residents of Anniston, AL. Dioxin Symposium; August 28 - September 2, 2016; Florence, Italy: Organohalogen Compounds; 2016. p. 59-62.
478. Falkner KC, Birnbaum LS, Schecter AJ, Clair H, Cave MC. Adipocytokine and Liver Injury Biomarker Assessment in Electronic Waste Recyclers. Society of Toxicology Annual Meeting; March 13-17, 2016; New Orleans, LA: The Toxicologist; 2016. p. 407.
479. Hall SM, Coulter SJ, Knudsen GA, Sanders JM, Birnbaum LS. Gene Expression Changes Following Repeat Oral Administration of Tetrabromobisphenol A (TBBPA) in Female Wistar Han Rats. Society of Toxicology Annual Meeting; March 13-17, 2016; New Orleans, LA: The Toxicologist; 2016. p. 246.

480. Knudsen GA, Hughes MF, Hall SM, Sanders JA, Birnbaum LS. Using the parallelogram approach to estimate human percutaneous bioavailability for novel & legacy brominated flame retardants. Dioxin Symposium; August 28 - September 2, 2016; Florence, Italy: Organohalogen Compounds; 2016. p. 274-7.
481. Knudsen GA, Hughes MF, Sanders JM, Birnbaum LS. Estimation of human percutaneous uptake for two novel brominated flame retardants 2-ethylhexyl tetrabromobenzoate (TBB) and bis(2-ethylhexyl) tetrabromophthalate (TBPH) using the parallelogram method. Society of Toxicology Annual Meeting; March 13-17, 2016; New Orleans, LA: The Toxicologist; 2016. p. 564.
482. Pavuk M, Dutton ND, Sjödin A, Jones RS, Lewin MD, Birnbaum LS. Serum Concentrations of Non-Ortho Polychlorinated Biphenyls (PCBs) in a Residential Cohort from Anniston, Alabama. Society of Toxicology Annual Meeting; March 13-17, 2016; New Orleans, LA: The Toxicologist; 2016. p. 568.
483. Pavuk M, Yang E, Lewin M, Birnbaum LS. Polychlorinated biphenyls, dioxins, and diabetes in the Anniston cohort. Dioxin Symposium; August 28 - September 2, 2016; Florence, Italy: Organohalogen Compounds; 2016. p. 68-71.
484. Petriello MC, Perkins JT, Morris AJ, Sunkara M, Soman S, Stromberg A, Pavuk M, Birnbaum LS, Hennig B. Interactions between environmental pollution and nutrition-based biomarkers of metabolic disease risk in residents of Anniston, Alabama. Dioxin Symposium; August 28 - September 2, 2016; Florence, Italy: Organohalogen Compounds; 2016. p. 72-5.
485. Schecter A, Kincaid J, Birnbaum LS. Agent Orange and newer chemicals of concern in Vietnam. American Public Health Association (APHA) Annual Meeting; October 28- November 2; Denver, CO 2016.
486. Schecter A, Kincaid J, Quynh HT, Ahmed M, Rashid S, Jawad K, Crandall R, Gagnier M, Birnbaum LS. Electronics and electrical waste recycling: organics and metals in Vietnamese Women. Dioxin Symposium; August 28 - September 2, 2016; Florence, Italy: Organohalogen Compounds; 2016. p. 461-5.
487. Schecter A, Kincaid J, Quynh HT, Clair H, Cave MC, Gagnier M, Ahmed M, Crandall R, Jawad K, Rashid S, Birnbaum LS. Health, social and economic issues of electronic waste recycling workers. Dioxin Symposium; August 28 - September 2, 2016; Florence, Italy: Organohalogen Compounds; 2016. p. 1209-13.
488. Schecter AJ, Quynh HT, Shropshire W, Lanceta J, Kincaid J, Birnbaum LS. Metals and organics biomonitoring in female Vietnamese electronic waste recyclers, general population, and US NHANES. Society of Toxicology Annual Meeting; March 13-17, 2016; New Orleans, LA: The Toxicologist; 2016. p. 33.
489. Birnbaum LS, Yang E, Sjödin A, Jones RS, Lewin MD, Pavuk M. Exposure of polybrominated diphenyl ethers, poly chlorinated biphenyls, and pesticides in the Anniston Community Health Survey Follow Up. Dioxin Symposium; August 20-25, 2017; Vancouver, Canada: Organohalogen Compounds; 2017. p. 428-32.
490. Callahan CL, Pavuk M, Ren X, Birnbaum LS, Olson JR, Bonner MR. Polychlorinated Biphenyls and Relative Telomere Length in the Anniston Community Health Survey. Society of Toxicology Annual Meeting; March 12-16, 2017; Baltimore, MD: The Toxicologist; 2017. p. 348.
491. Cave MC, Clair HB, Pinkston CM, Falkner KC, Birnbaum LS, Pavuk M. Initial Analysis of Liver Disease in the Anniston Community Health Survey-II. Society of Toxicology Annual Meeting; March 12-16, 2017; Baltimore, MD: The Toxicologist; 2017. p. 71.
492. Cave MC, Pinkston CM, Pavuk M, Clair H, Hardesty JE, Shi HX, Prough RA, Falkner KC, Rai SN, Birnbaum LS. Total dioxin toxic equivalency is associated with altered serologic biomarkers of hepatic lipid metabolism, inflammation, fibrosis, and function in ACHS-II participants with suspected liver disease. Dioxin Symposium; August 20-25, 2017; Vancouver, Canada: Organohalogen Compounds; 2017. p. 663-6.

493. Gillera SEA, Filgo A, Kissling G, Birnbaum LS, Fenton SE. Low-Dose Developmental Tetrabromobisphenol-A Exposure and Metabolic Changes In Rats. Society of Toxicology Annual Meeting; March 12-16, 2017; Baltimore, MD: The Toxicologist; 2017. p. 47.
494. Hall SM, Coulter SF, Knudsen GA, Birnbaum LS. Identifying Responders to Tetrabromobisphenol A (TBBPA) Using Marker Genes following Repeat Oral Administration in Wistar Han Rats. Society of Toxicology Annual Meeting; March 12-16, 2017; Baltimore, MD: The Toxicologist; 2017. p. 345.
495. Knudsen GA, Hall SM, Richards AC, Birnbaum LS. 2,4,6-Tribromophenol disposition and kinetics in female Sprague Dawley Rats. Dioxin Symposium; August 20-25, 2017; Vancouver, Canada: Organohalogen Compounds; 2017. p. 783-6.
496. Knudsen GA, Hall SM, Richards AC, Birnbaum LS. Tetrabromobisphenol A Disposition and Kinetics in Pregnant and Nursing Wistar Han Rats. Society of Toxicology Annual Meeting; March 12-16, 2017; Baltimore, MD: The Toxicologist; 2017. p. 351.
497. Pavuk M, Yang E, Lewin M, Birnbaum LS. Hypertension and persistent organic pollutants in the Anniston Community Health survey follow up. Dioxin Symposium; August 20-25, 2017; Vancouver, Canada: Organohalogen Compounds; 2017. p. 423-7.
498. Petriello MC, Charnigo R, Pavuk M, Birnbaum LS, Morris AJ, Hennig B. Interactions between diet and toxicant exposure lead to increased circulating levels of the cardiometabolic disease biomarker TMAO. Federation of American Societies for Experimental Biology (FASEB) Annual Meeting; April 22-26, 2017; Chicago, IL: Federation proceedings; 2017.
499. Pinkston CM, Middleton FA, Rosenbaum PF, Clair HB, Falkner KC, Pavuk M, Birnbaum LS, Cave MC. Associations between PCB and dioxin exposures with serum cytokines in the Anniston Community Health Survey-II. Society of Toxicology Annual Meeting; March 12-16, 2017; Baltimore, MD: The Toxicologist; 2017. p. 71.
500. Schecter AJ, Kincaid JS, Clair H, Cave MC, Bhatnagar A, Riggs D, Birnbaum LS. Hepatic, Cardiovascular, and Other Biomarkers Associated with Organics and Metals Exposure in Female Vietnamese Electronic Waste Workers and Comparisons. Society of Toxicology Annual Meeting; March 12-16, 2017; Baltimore, MD: The Toxicologist; 2017. p. 214.
501. Yang E, Birnbaum LS, Pavuk M. Hypertension in Relation to Dioxins, Polychlorinated Biphenyls, and Pesticides from the Anniston Community Health Survey FollowUp. Society of Toxicology Annual Meeting; March 12-16, 2017; Baltimore, MD: The Toxicologist; 2017. p. 71.
502. Cannon RE, Trexler AW, Knudsen GA, Birnbaum LS. Tetrabromobisphenol A (TBBPA) alters efflux transporter activity in rat brain microvessels. Society of Toxicology Annual Meeting; March 11-15, 2018; San Antonio, TX: The Toxicologist; 2018. p. 493.
503. Cave MC, Clair H, Pinkston CM, Rai SN, Yang E, Pavuk M, Birnbaum LS. Association between environmental exposures and steatohepatitis mechanisms in the Anniston Community Health Survey Phase II. Society of Toxicology Annual Meeting; March 11-15, 2018; San Antonio, TX: The Toxicologist; 2018. p. 214.
504. Cave MC, Pinkston CM, Rai SN, Pavuk M, Birnbaum LS. Environmental Dioxin and Polychlorinated Biphenyl Exposures Are Associated with Mechanistic Biomarkers of Liver Disease Progression. American Association For The Study Of Liver Diseases; November 9-13, 2018; San Francisco, CA: Hepatology; 2018. p. 433A.

505. Gillera SEA, Filgo A, Kissling G, Shockley K, Birnbaum LS, Fenton SE. Sex-Specific Metabolic and Liver Gene Expression Changes in Wistar Rats following TBBPA Exposure. Society of Toxicology Annual Meeting; March 11-15, 2018; San Antonio, TX: The Toxicologist; 2018. p. 427.
506. Kincaid JS, Schechter AJ, Crandall R, Birnbaum LS. Potential health aspects of metals' exposures in female Vietnamese electronic waste recyclers. Society of Toxicology Annual Meeting; March 11-15, 2018; San Antonio, TX: The Toxicologist; 2018. p. 340-1.
507. Knudsen GA, Richards AC, Trexler AW, Birnbaum LS. 2,4,6-Tribromophenol (TBP) Disposition and Kinetics in Female Sprague-Dawley Rats after Single and Repeated Dosing. Society of Toxicology Annual Meeting; March 11-15, 2018; San Antonio, TX: The Toxicologist; 2018. p. 533.
508. Pavuk M, Yang E, Birnbaum LS, Cave MC. Dioxin-like compounds, cytokines, and hypertension in the Anniston Community Health Survey Follow-up. Society of Toxicology Annual Meeting; March 11-15, 2018; San Antonio, TX: The Toxicologist; 2018. p. 212.
509. Pittman GS, Wang X, Campbell MR, Coulter SJ, Olson JR, Pavuk M, Birnbaum LS, Bell DA. PCB exposure and altered DNA methylation in the Anniston Community Health Survey. Society of Toxicology Annual Meeting; March 11-15, 2018; San Antonio, TX: The Toxicologist; 2018. p. 220.
510. Richards AC, Knudsen GA, Hughes MF, Birnbaum LS. Dermal uptake of three brominated phenols: Tetrabromobisphenol A (TBBPA), Tetrabromobisphenol A bis(2,3-dibromopropyl ether) (TBBPA-BDBPE), and 2,4,6-tribromophenol (TBP). Society of Toxicology Annual Meeting; March 11-15, 2018; San Antonio, TX: The Toxicologist; 2018. p. 498-9.
511. Samson CM, Gillera SEA, Filgo AJ, Wilson R, Birnbaum LS, Fenton SE. Pre- and Post-Natal TBBPA Exposure Affects Thyroid Hormone Levels of Wistar Han Rats. Society of Toxicology Annual Meeting; March 11-15, 2018; San Antonio, TX: The Toxicologist; 2018. p. 200.
512. Van Etten SL, Bonner MR, Ren X, Birnbaum LS, Olson JR. Telomeres as a potential target for the chronic toxicity of polychlorinated biphenyls (PCBs). Society of Toxicology Annual Meeting; March 11-15, 2018; San Antonio, TX: The Toxicologist; 2018. p. 335.
513. Birnbaum LS. 1.5° Celsius: Our Climate, Our Environmental Health, Our Future Celsius-Linnaeus Lecturers; February 7, 2019; Uppsala, Sweden 2019.
514. Birnbaum LS. The National Institute of Environmental Health Sciences: Protecting Public Health from Ecosystems to Communities. Annual Symposium of the Society of Toxicologic Pathology June 24, 2019; Raleigh, North Carolina 2019.
515. Elmore S, Birnbaum LS, Brockenfelt, K, Gruebbel, M, Harrill, A, Joubert, B, Seely, J, Berridge BR. Leveraging the National Toxicology Program's Experience to Provide Insights into the Etiology of Chronic Kidney Disease of Unknown Origin in Agricultural Workers in Central America and Asia. Annual Symposium of the Society of Toxicologic Pathology June 24, 2019; Raleigh, North Carolina 2019.