

BIOGRAPHICAL SKETCH

Name: Linda S. Birnbaum

Education:

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

Professional Experience:

1972	Visiting Assistant Professor of Microbiology at University of Illinois, Urbana, Illinois
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 Lab., 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 - 2001	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 - Present	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, Jul 2007-Jun 2010, Academy of Toxicological Sciences
2008 - Present	Senior Toxicologist, National Center for Environmental Assessment, U.S. EPA, Research Triangle Park, NC

Professional 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 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 of Risk Analysis

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 1st 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

Recent Assistance To Scientific Community:

1. Chairs the Scientific Advisory Board of the University of Michigan Dioxin Study (UMDES) -- Present
2. External advisor to the University of Illinois, Chicago School of Public Health, grant proposal on the study of occupational exposure to Dioxins
3. Served as a member of the subcommittee for review of research at the Interfaculty Institute of Risk Assessment Sciences (IRAS), Utrecht University, the Netherlands (2005)
4. Official Advisor to the Endometriosis Association (2007)
5. Academy of Toxicological Sciences (ATS) Board of Directors

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 - 1982 Adjunct Assistant Professor, Department of Environmental Science, School of Public Health, University of North Carolina
1982 - 1988 Adjunct Associate Professor, Department of Environmental Science, School of Public Health, and Curriculum in Toxicology, University of North Carolina
1983 - Date Curriculum in Toxicology, University of North Carolina
1985 - Date Editorial Board, AGE
1988 - Date Editorial Board, Environmental Health Perspectives
1988 - Date Adjunct Professor, Dept. of Environmental Science, School of Public Health, and Curriculum in Toxicology, University of North Carolina
1989 - Date Editorial Board, Toxicology and Applied Pharmacology
1989 - Date Executive Committee, Curriculum in Toxicology, University of North Carolina
1992 - Date Member of the Chemical Manufacturers Association Butadiene Panel
1993 - 1998 Editorial Board, Environmental Health Perspectives
1993 - Date External Advisory Committee for NIEHS Planning Grant for an EHS Center
1993 - Date 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 - Date Reviewer for Medical Research Council of Canada Grants
1995 - Date CIIT Scientific Advisory Panel
1995 - Date Adjunct Faculty Member of Toxicology, Integrated Toxicology Program, Duke University
1999 - 2000 Chair, DOT, ASPET
1999 - Date Editorial Board, Chemosphere
2000 - Date Executive Committee, Research Triangle Park Drug Metabolism Discussion Group
2000 - Date US Delegate to AMAP/Health Effects Group
2002 Reviewer for *Environmental Science & Technology*
2002 - 2006 On Board of Directors of SOT as Vice President Elect, Vice President, President, and Past President.
2007 - Date Society of Toxicology Endowment Board
2007 - Date President-Elect/President for International Union of Toxicology (IUTOX)
2007 - Official Advisor to the Endometriosis Association
2007 - Editorial Board, Environmental Health Perspectives

Invited Speaker (Recent, since 2004):

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 2006 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).

Invited Symposium/Workshop Speaker (Recent, since 2004):

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, North Carolina, (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 Montana (2007); SETAC North America 28th Annual Meeting, Milwaukee, WI (2007); Society of Risk Analysis 2007 Annual Meeting, San Antonio, Texas (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).

Major Committee Responsibilities:

TRTP Promotion Committee (1984-present), Chairman (1987-1989)
NIEHS Radiation Safety Committee (1985-present)
Mouse Strains for Carcinogenesis Studies (1985)
NIEHS Research Support Subcommittee (1986)
NIEHS Laboratory Casework Committee (1986-present)
Judge, SOT Mechanism Section Graduate Student Awards (1985, 1986) Treasurer, NC SOT (1986-1988); Vice President, NC SOT (1988-present)
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-present)
SOT Mechanism Section, Nominations Committee (1987-present)
WHO, IPCS, Cochair - 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-present)
 CIIT, Dioxin Review Panel (1990-present); Scientific Advisory Panel (1990)
 USEPA/ORD - Committee on Scientific Ethics
 ILSI Committee on Pharmacokinetics (1992-present)
 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-present)
 Member - ORD Human Resources Committee
 Member of the Chemical Manufacturers Association Butadiene Panel (1992-present)
 External Advisory Committee for the NIEHS Planning Grant for an EHS Center (1993-present)
 Executive Committee of the Division of Toxicology, ASPET (1994-1997)
 SOT Council (1996-1999)
 ORD/OW Arsenic External RFA Committee
 Executive Committee, International Society for the Study of Xenobiotics (Jan 1996 - Dec 1999)
 International Organizing Committee, Dioxin 1992-present
 Awards Committee, SOT (1998-2000)
 Liaison - NERL/NHEERL Interaction Workgroup (1998-present)
 Chair, Division of Toxicology, ASPET (1998-2000)
 Executive Committee of the RTP Drug Metabolism Discussion Group (2003)
 Agency Wide PBT Initiative
 Society Of Toxicology – Presidential Chain (2002-2006)
 HESI Biomonitoring Technical Committee (2006)

Reviewer:

Advances in Neonatal Care, American Chemical Society, American Journal of Industrial Medicine,
 AWWARF Reviewer for Medical Research Council of Canada Grants, Biology of Reproduction,
 Carcinogenesis, Center for Health Effects of Environmental Contamination Seed Grant Program,
 Chemical Research In Toxicology, Chemical Research In Toxicology, Chemosphere, Chemosphere,
 Drug Metabolism & Disposition, Environment, Environmental & Molecular Mutagenesis,
 Environmental Health, Environmental Health Perspectives, Environmental Protection Agency,
 Environmental Research, Environmental Science & Technology, Environmental Science &
 Technology, Environmental Sciences, European Commission 6th Framework Programme,
 Federal Drug Administration (Grant proposals and health criteria documents), Food & Chemical
 Toxicology, Human & Experimental Toxicology, Human and Experimental Toxicology, Inhalation
 Toxicology, Institute of Medicine, Integrated Risk Information Systems, John Wiley & Sons, Journal
 of Agriculture & Food Chemistry, Journal of Agriculture and Food Chemistry, Journal of Applied
 Toxicology, Journal of Biochemical & Molecular Toxicology, Journal of Biochemical & Molecular
 Toxicology, Journal of Exposure Analysis and Environmental Epidemiology, Journal of Hazardous
 Materials, Journal of Immunotoxicology, Journal of Occupational & Environmental Medicine,
 Journal of the American Medical Association, Life Sciences, March of Dimes, Mechanics of Aging
 & Development, Molecular Pharmacology, Molecular Pharmacology, Multi-National Forces,
 National Academy of Sciences (health criteria documents), National Center for Toxicological
 Research, National Institute for Environmental Health Sciences National Science Foundation, New
 York State (health criteria documents), North Atlantic Treaty Organization, Committee on
 Challenges of Modern Society, Northern Contaminants Program, Nuclear Regulatory Commission
 (Committee), Nutrition Research, Pharmacological Research, Pharmacological Research, Regulatory

Toxicology & Pharmacology, Regulatory Toxicology & Pharmacology, Reproductive Toxicology, Research and Toxicology Letters, Reviews in Mutation, Reviews in Mutation Research, Swedish Research Counsel, Swiss National Science Foundation, Toxicological Sciences, Toxicological Sciences, Toxicology, Toxicology & Applied Pharmacology, Toxicology *In Vitro*, Veteran's Administration

Referee For:

Toxicology and Applied Pharmacology, Biochemical Pharmacology, Life Sciences, AGE, Science, Proc. Soc. Exp. Biol. Med., J. Physiol., Exp. Gerontol., Environmental Health Perspectives, Environmental Toxicology and Chemistry, Cancer Research, Drug Metabolism and Disposition, Biochemica Biophysica Acta, Laboratory Animal Science, Molecular Pharmacology, Journal of Toxicology and Environmental Health, Cancer Research, Reproductive Toxicology, Human and Experimental Toxicology, Journal of Pharmacology and Experimental Therapeutics, Proc. National Academy of Science; Carcinogenesis; Comparative Biochemistry and Physiology; Journal of Exposure Analysis and Environmental Epidemiology, Environmental Science & Technology, Americas, Toxicology

Recent Publications (since 2004, from a total of approximately 300 peer-reviewed):

001. Birnbaum, LS and Staskal DF. Brominated flame retardants: Cause for concern? *Environmental Health Perspectives*, 112(1):9-17 (2004)
002. Emond C, Birnbaum LS, and DeVito MJ. Physiologically based Pharmacokinetic model for developmental exposures to TCDD in the rat. *Toxicological Sciences*, 80(1):115-133 (2004)
003. Schecter A, Papke O, Tung K-C, Staskal D, and Birnbaum LS. Polybrominated diphenyl Ethers (PBDEs) Contamination of United States Food. *Environmental Science and Technology*, 38(20):5306-5311 (2004)
004. Staskal DF, Diliberto JJ, DeVito MJ, and Birnbaum LS. Inhibition of human and rat CYP1A2 by TCDD and dioxin-like chemicals. *Toxicological Sciences*, 84(2):225-231 (2005)
005. van Larabeke NA, Birnbaum LS, Boogaerts MA, Bracke M, Davis DL, Demarini DM, Hooper K, Huff J, Kleinjans JC, Legator MS, Schoeters G, and Vahakangas K. Unrecognized or Potential Risk Factors for Childhood Cancer. *International Journal of Occupational and Environmental Health*, 11(2):199-201(2005)
006. Smialowicz, RJ; DeVito, MJ; Williams WC; and Birnbaum LS. Relative potency based on hepatic enzyme induction predicts immunosuppressive effects of a mixture of PCDDs/PCDFs and PCBs. *Toxicology and Applied Pharmacology*, 227: 477-484.
007. Staskal D, Diliberto JJ, DeVito MJ, and Birnbaum LS. Toxicokinetics of BDE 47 in female mice: Effect of dose, route of exposure, and time. *Toxicological Sciences*, 83(2): 215-223 (2005)
008. Schecter A, Papke O, Tung K-C, Staskal D, and Birnbaum L. Response to Hardy's comments on "Polybrominated Diphenyl Ethers (PBDEs) contamination of United States food. *Environmental Science and Technology*, 39:2415-2416 (2005)
009. Weintraub M and Birnbaum L. Fish consumption as a contributor to racial disparities in Human organochlorine body burdens. *Environmental Research. Available on line.*
010. Emond C, Michalek JE, Birnbaum LS, and DeVito MJ. Comparison of the use of a physiologically-based pharmacokinetic model and a classical pharmacokinetic model for dioxin exposure assessments. *Environmental Health Perspectives*, 113(12):1666-1668 (2005)

011. Schwetz BA, Lehman-McKeeman LD, and Birnbaum LS. Toxicological research involving humans: Ethical and regulatory considerations. *Toxicological Sciences*, 85(1):419-421 (2005)
012. Windal I, Denison M, Birnbaum LS, Van Wouwe N, Baeyens W, and Goeyens, L. Chemically activated luciferase gene expression (CALUX) cell bioassay analysis for the estimation of dioxin-like activity: Critical parameters of the CALUS procedure that impact assay results. *Environmental Science & Technology*, 39(19):7357-7364 (2005)
013. Kodavanti PRS, Ward TR, Ludewig G, Robertson L, and Birnbaum, LS. Polybrominated Diphenyl Ether (PBDE) Effects in Rat Neuronal Cultures: C-PBDE accumulation, biological effects, and structure-activity relationships. *Toxicological Sciences*, 88(1):181-192 (2005)
014. Birnbaum LS and Cohen-Hubal A. Polybrominated diphenyl ethers: A case study for application of biomonitoring data to address risk assessment questions. *Environmental Health Perspectives*, 114(11):1770-1775 (2006)
015. Haws LC, Su SH, Harris M, Devito MJ, Walker NJ, Farland WH, Finley B, and Birnbaum LS. Development of a refined database of mammalian relative potency estimates for dioxin-like compounds. *Toxicological Sciences*, 89(1):4-30 (2006)
016. Schecter A, Birnbaum L, Ryan JJ, and Constable JD. Dioxins: An overview. *Environmental Research*, 101(3): 419-428 (2006)
017. Staskal, DF, Diliberto JJ, and Birnbaum LS. Impact of repeated exposure on the toxicokinetics of BDE 47 in mice. *Toxicological Sciences*, 89(2):380-385 (2006)
018. Emond C, Birnbaum LS, and 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*, 114(9):1394-1400 (2006)
019. Staskal DF, Diliberto JJ, and Birnbaum LS. Disposition of BDE 47 in developing mice. *Toxicological Sciences*, 90(2):309-316 (2006)
020. Schecter A, Papke O, Harris R, Olson J, Tung KC, Musumba A, and Birnbaum LS. PBDE levels in an expanded market basket survey of U.S. food and estimated PBDE dietary intake by age and gender. *Environmental Health Perspectives*, 114(10): 1515-1520 (2006)
021. Staskal, D.F., Hakk, H., Bauer, D., Diliberto, J.J., and Birnbaum. L.S. Toxicokinetics of BDEs 47, 99, 100, and 153 in Mice. *Toxicological Sciences, Society of Toxicology*, 94(1):28-37 (2006).
022. van den Berg M, Birnbaum L, Denison M, DeVito M, Farland W, Feeley M, Fiedler H, Hakansson H, Hanberg A, Haws L, Rose M, Safe S, Schrenk C T, Tritscher, Jouko T, Tyskind M, Walker N, Peterson RE. The 2005 World Health Organization Re-evaluation of Human Toxic Equivalency Factors for Dioxins and Dioxin-like compounds. *Toxicological Sciences*, 93(2): 223-241 (2006)
023. Schecter A, Birnbaum LS, Ryan JJ, and Constable JD. Letter to the Editor, Re: Dioxins: An overview. *Environmental Research*, 103: 147-148 (2007)
024. Richardson V, Staskal D, Diliberto JJ, Ross DG, DeVito MJ, and Birnbaum LS. Possible Mechanisms of thyroid hormone disruption in mice by BDE 47, a major polybrominated

- diphenyl ether congener. *Toxicology and Applied Pharmacology*, 226:244-250 (2007)
025. Richter CA, Birnbaum LS, Farabollina F, Newbold RR, Bubin BS, Talsness CE, Vandenberg JG, Walser-Kuntz DR, and Vom Saal FS. *In vivo* effects of bisphenol a in laboratory animals. *Reproductive Toxicology*, 24: 199-224 (2007).
 026. Dye JA, Vernier M, Zhu L, Ward CR, Hites RA, and Birnbaum LS. Elevated PBDE levels in pet cats: Sentinels for humans? *Environmental Science & Technology, Environmental Science and Technology*, 41 (18), 6350 -6356 (2007).
 027. vom Saal FS, Akingbemi BT, Belcher SM, Birnbaum LS, Crain DA, Eriksen M, Guillette LJ, Hauser R, Heindel JJ, Ho S-M, Iguchi T, Jobling S, Kanno J, Keri RJ, Knudsen KE, LeBlanc GA, Marcus M, McLachlin 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, and Zoeller TR. 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*, 24: 131-138 (2007)
 028. Richardson V, Staskal D, Diliberto JJ, Ross DG, DeVito MJ, and Birnbaum LS. Possible Mechanisms of thyroid hormone disruption in mice by BDE 47, a major polybrominated diphenyl ether congener. *Toxicology and Applied Pharmacology*, 226: 244-250 (2008)
 029. Huwe JK, Hakk H, Smith DJ, Diliberto V, Richardson VK, Stapleton HM, and Birnbaum LS. Comparative absorption and bioaccumulation of polybrominated diphenyl ethers following ingestion via dust and oil in male rats. *Environmental Science & Technology, American Chemical Society, Washington, DC*, 42:2694-2700 (2008).
 30. Birnbaum LS. The effect of environmental chemicals on human health. *Fertility and Sterility, American Society for Reproductive Medicine, Birmingham, AL. Available on line*, p. e31.
 31. Staskal DF, Scott LF, Haws LC, Luksemburg WJ, Birnbaum LS, Urban JD, Williams ES, Paustenbach DJ, and Harris MA. Assessment of polybrominated diphenyl ether exposures and health risks associated with consumption of Southern Mississippi catfish. *Environmental Science & Technology. Submitted.*
 31. Huwe JK, Hakk H, and Birnbaum LS. Tissue distribution of polybrominated diphenyl ethers in male rats and implications for biomonitoring. *Environmental Science & Technology, Available on line.*

