

CURRICULUM VITAE

Name: Linda S. Birnbaum

Position Title: Director, NIEHS &NTP

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, 2007

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 - 2009	Director, Experimental Toxicology Division, National Health and Environmental Effects Research Laboratory, U.S. EPA, Research Triangle Park, NC
2006 - 2009	Fellow, June 2006 - June 2011, Board member, Jul 2007-Jun 2010, Academy of Toxicological Sciences
2008 - 2009	Senior Toxicologist, National Center for Environmental Assessment, U.S. EPA, RTP
2009 - Present	Director, NIEHS &NTP

Awards (Last 5 years):

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 - Date	Society of Toxicology Endowment Board
2007 - 2010	President-Elect/President for International Union of Toxicology (IUTOX)

2007 - Date	Official Advisor to the Endometriosis Association
2007 - Date	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	Honorary Degree Recipient from the University of Rochester
2010	Collegium Ramazzini Fellow

Invited Symposium/Workshop Speaker (last 5 years):

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

Top papers

1. Birnbaum LS. The role of structure in the disposition of halogenated aromatic xenobiotics. *Environ. Health Perspectives*, 61:11-20 (1985)
2. Medinsky MA, Sabourin PJ, Henderson RF, Lucier G, and Birnbaum LS. Differences in the pathways for metabolism of benzene. *Environ. Health Perspect.*, 82:43-49 (1989)
3. Birnbaum LS. Pharmacokinetic basis of age-related changes in sensitivity to toxicants. *Annu. Rev. Pharmacol. Toxicol.*, 31:101-128 (1991)
4. Birnbaum LS. The mechanism of dioxin toxicity: Relationship to risk assessment. *Environmental Health Perspec.*, 102(9):157-167 (1994)
5. Birnbaum, L.S. and DeVito, M.J. Use of toxic equivalency factors for risk assessment for dioxins and related compounds. *Toxicology*, 105(2-3):391-401 (1995)
6. DeVito MJ, Birnbaum LS, Farland WH, and Gasiewicz TA. Comparisons of estimated human body burdens of dioxin-like chemicals and TCDD body burdens in experimentally exposed animals. *Environmental Health Perspectives*, 103(9):820-830 (1995)
7. Birnbaum LS. Developmental effects of dioxin and related endocrine disrupting chemicals. *Toxicol. Letters* 82/83:743-750 (1995)
8. Wang X, Santostefano MJ, DeVito MJ, and Birnbaum LS. Extrapolation of a PBPK model for dioxin across dosage regimen, gender, strain and species. *Toxicological Sciences*, 56(1):49-60 (2000)
9. Birnbaum LS and Fenton SE. Cancer and Developmental Exposure to endocrine disruptors. *Environmental Health Perspectives*, 111(4):389-394 (2003)
10. Birnbaum, LS and Staskal DF. Brominated flame retardants: Cause for concern? *Environmental Health Perspectives*, 112(1):9-17 (2004)
11. Schwetz BA, Lehman-McKeeman LD, and Birnbaum LS. Toxicological research involving humans: Ethical and regulatory considerations. *Toxicological Sciences*, 85(1):419-421 (2005)
12. Dye JA, Venier M, Zhu L, Ward CR, Hites RA, Birnbaum LS. Elevated PBDE levels in pet cats: sentinels for humans? *Environ Sci Technol.* 2007 Sep 15;41(18):6350-6.
13. LaMerrill M, Baston D, Denison M, 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. *Am J Physiol Endocrinol Metab.* 2009 Jan;296(1):E203-10. Epub 2008 Oct 7.
14. Szabo DT, Diliberto JJ, Huwe JK, Birnbaum LS. Accumulation and Distribution of HBCD Alpha and Gamma in Developing Mice Differs From That in Adults. *Toxicol Sci.* 2011 Jun 24. [Epub ahead of print]

15. Humblet O, Sergeyev 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. *Environ Health*. 2011 Jun 22;10:62. PubMed PMID: 21696632; PubMed Central