

Suzanne E. Fenton

Group Leader, National Toxicology Program Laboratory
Division of the National Toxicology Program
National Institute of Environmental Health Sciences

PROFESSIONAL ADDRESS:

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EDUCATION:	<u>Major</u>	<u>Degree</u>	<u>Date</u>
University of Wisconsin Madison, WI	Dairy Science (Pre-Vet)	B.S.	1988
University of Wisconsin Madison, WI	Reproductive Physiology Endocrinology (Gamete Biol.)	M.S.	1990
University of Wisconsin Madison, WI	Reproductive Physiology Endocrinology (Lactation Biol.)	Ph.D.	1993

PROFESSIONAL EXPERIENCE

Career Tract:

Group Leader, Reproductive Endocrinology
NTP Laboratory
Division of the National Toxicology Program, NIEHS

Date

May 2011-present

Reproductive Endocrinologist
Cellular & Molecular Pathology Branch
National Toxicology Program, NIEHS

Sept 2009-May 2011
Divisional Realignment

Research Biologist
Developmental Biology Branch
Reproductive Toxicology Division (RTD)
US Environmental Protection Agency (US EPA)

Sept 2003-Sept 2009
Divisional Realignment

Research Biologist, US EPA, RTD, Endocrinology Branch

Sept 1998-Sept 2003

Post-doctoral Fellow
Lineberger Comprehensive Cancer Center
University of North Carolina-Chapel Hill, NC

1993-1998

Adjunct Positions:

Adjunct Associate Professor Jan 2013-Present
North Carolina State University
Comparative Biomedical Sciences – Toxicology & Veterinary Medicine

Adjunct Graduate Faculty Oct 2005-Present
University of North Carolina-Chapel Hill
School of Medicine - Curriculum in Toxicology & Environmental Medicine

Adjunct Graduate Faculty Jan 2003-Present
University of North Carolina-Chapel Hill
School of Public Health – Environmental Sciences & Engineering

Adjunct Graduate Faculty June 2003-Present
North Carolina Central University
Department of Biology

Adjunct Graduate Faculty Oct. 2003-Present
North Carolina Central University
Department of Chemistry

TEACHING EXPERIENCE:

Lecturer UNC-Chapel Hill Fall 2016 - present
Development - Advanced Toxicology

Lecturer University of Wisconsin-Madison
Reproduction in Farm Animals- Short Course Spring 1991
Lactation - Dairy Science 305 Fall 1991

Teaching Asst. University of Wisconsin-Madison
Reproduction in Farm Animals- Short Course Spring 1987, 88, 89
Livestock Production - Dairy Science 101 Fall 1989

MENTORSHIP:

Technical Staff:

Harlie Cope – January 2018 – present (post-bac IRTA)
Sebnem Cevik – September 2017 – July 2018 (International Special Volunteer)
Coryna ‘Sam’ Samon – July 2017 – Sept 2018 (post-bac IRTA; left to pursue PhD)
Joshua Warmack – April 2016 – Dec 2017 (Special Volunteer/post-bac IRTA; left to teach)
Sagi Enicole Gillera – Dec 2014 – May 2018 (Special Volunteer and post-bac IRTA; left to pursue her PhD at NC State University, Toxicology Program)
Dr. Vesna Chappell – October 2013 - present (Kelly Services)
Dr. Jason Stanko - Feb. 2005 - present (Biologist FTE)
Casey Reed - Oct. 2010 - June 2014 (Kelly Services, left for permanent job as a nurse)
Christine Davis -April 2003 - Sept. 2004 (FTE, left lab due to disability)
Dr. Geri Youngblood - January 1999 - January 2003 (FTE, left lab for relocation)

Visiting Scientists:

Dr. Karen Mandrup - Danish Technical Institute, hosted March-April 2012

S.E.F. Served on Karen's doctoral thesis committee in Denmark, Aug 8-9, 2013.

Dr. Hyun-Ju Moon - Korean Food and Drug Administration, hosted Nov. 2000-June 2001

NIEHS ONES & K99/00 mentees:

Dr. Lauren Aleksunes – Dept Pharmacology & Toxicology, Rutgers University; ONES

Dr. Michele LaMerrill – Dept of Environmental Toxicology, Univ of CA – Davis; ONES

Dr. Craig Burd – Dept of Molecular Genetics, Ohio State Univ; NIEHS K99/00

Dr. Katie Burns – Dept of Environmental Health, Univ of Cincinnati; NIEHS K99/00

Dr. Laura Vandenberg – School of Public Health, UMass – Amherst; NIEHS ONES candidate

Dr. Meghan Rebuli – Toxicology Program, UNC-Chapel Hill; NIEHS K99/00 - submitted 2018

Post-doctoral Fellows:

Dr. Manushree Bharadwaj – NIEHS IRTA Fellow, Oct 2016-present (OK State Univ)

Dr. Adam Filgo – NIEHS IRTA Fellow, June 2015-2016 (UNC-Chapel Hill)

Dr. Sally S. White - NIEHS Research Fellow, Feb. 2010-2013 (UNC-Chapel Hill)

Dr. Erin P. Hines - R-Authority NHEERL Post-doc, 2004-2008 (LSU - Shreveport)

Dr. Cindy Mamay - R-Authority NHEERL Post-doc, 2002-2003 (Univ of CO – Denver)

Graduate Students:

Marisa Pfohl – Serve on dissertation committee – Univ of Rhode Island PFAS Superfund Center trainee. 2017-present.

Kevin Mauge-Lewis – Predoctoral Trainee, Summer 2017. UNC Curriculum in Toxicology & Environmental Medicine; anticipates 2021 graduation.

Bevin Blake – Predoctoral Trainee, Summer 2016. UNC Curriculum in Toxicology & Environmental Medicine; anticipates May 2020 graduation.

Deirdre (Robinson) Tucker – Ph.D. May 2017, UNC Curriculum in Toxicology. NIEHS IRTA Fellow and 2016 Teratology Society's Edward W Carney Award. Study Lead at Charles River Laboratories, Waltham, PA.

Alisa A. Suen – Served on her dissertation committee – Ph.D. May 2017, UNC-Chapel Hill Curriculum in Toxicology. US EPA ORISE and NIEHS IRTA post-doc, June 2017-present.

Erin Quist, DVM, DACVP, Ph.D. December 2016, NC State University, Comparative Pathology; CMPB Toxicological Pathology Resident & NIEHS IRTA Fellow. Staff pathologist at EPL, Inc., RTP, NC. Aug. 2016- present.

Adam Filgo - Ph.D. May 2015, Curriculum in Toxicology, UNC-Chapel Hill
NIEHS IRTA Fellow. Asst DART Study Lead, MPI Research, Kalamazoo, MI.

Madisa Macon – Ph.D. May 2014, Curriculum in Toxicology, UNC-Chapel Hill
NIEHS IRTA Fellow, US EPA StAR Grant recipient, UNC IMPACT Award.
Post-doc @ Georgetown Univ 2014-2016; FDA Staff Scientist, Drug Safety for Infectious Agents 2017-present.

LaTonya Roseboro Villanueva - M.S. 2009, Dept. of Chemistry, North Carolina Central Univ.
Chemistry instructor – Wake Tech

Sally S. White - Ph.D. May 2008, Curriculum in Toxicology, UNC-Chapel Hill

Working in a company involved in environmental justice.

Jennifer L. Rayner - Ph.D. May 2006, Dept. of Environ. Sci, and Engineering, UNC-Chapel Hill
Staff toxicologist at Oak Ridge National Laboratories, Knoxville, TN 2006-2011
Staff toxicologist at SRI, Intl, Arlington, VA 2011-present

Melanie S. Pooler - M.S., 2004, Department of Biochemistry, North Carolina Central University
Regulatory Affairs Specialist, PPD Inc., NC Regulatory Affairs Forum

Rolondo R. Enoch - M.S., 2003, Department of Biology, North Carolina Central University
Clinical Trials Leader, Xencor, Monrovia, CA.

Sara N. Greiner - M.S., 2000, Integrated Toxicology Program, Duke University
Employed by the Clean Water Act Standards and Permits Office, US EPA,
San Francisco, CA

Other Student Trainees:

Tanner Russ – NIEHS Scholars Connect Program, NCSU junior, Jun 2018-present

Alina Hamilton – UNC-CH Toxicology Curriculum, Pre-doc research rotation, Fall 2017

Kshitij Kumar – NIEHS Scholars Connect Program, NCCU senior undergrad, July '17-May 2018

Kevin Mauge-Lewis - UNC-CH Toxicology Curriculum, Pre-doc research rotation, Spring 2017

Mohammed Toulimat – Riyadh, Saudia Arabia, Student Volunteer, Summer 2016

Kezia Addo -UNC-CH Toxicology Curriculum, Pre-doc research rotation, Winter 2015-6

Bevin Blake -UNC-CH Toxicology Curriculum, Pre-doc research rotation, Fall 2015

Kelsey Behrens -UNC-CH Toxicology Curriculum, Pre-doc research rotation, Fall 2015

Alysha Berezny - North Carolina State University. Summers of Discovery Intern, 2015

Brett Winters -UNC-CH Toxicology Curriculum, Pre-doc research rotation, Spring 2015

Rachel Schaeffer -UNC-CH Toxicology Curriculum, Pre-doc research rotation, Fall 2014

Caitlin Knowles - Huntington Breast Cancer Action Students & Scientists Program, July 2013

Alisa Suen - UNC-CH Toxicology Curriculum, Pre-doc research rotation, Spring 2013

Kyle Herbert - Elon University, Summers of Discovery Intern, 2012

Pretish Borde - Univ of North Carolina-Chapel Hill. Summers of Discovery Intern, 2011

Deirdre Robinson - UNC-CH Toxicology Curriculum, Pre-doc research rotation, Winter 2011

Aditi Borde - Panther Creek High School, Cary, NC. Summers of Discovery Intern, 2010 & 2011

Lydia Beck - Univ of Missouri, Summers of Discovery Intern, Summer 2010

Adam Filgo - UNC-CH Toxicology Curriculum, Pre-doc research rotation, Spring 2010

Madisa Macon - UNC-CH Toxicology Curriculum, Pre-doc research rotation, Spring 2009

Eugene Gibbs-Flournoy - UNC Toxicology Curriculum, Pre-doc research rotation, Summer 2008

Sally S. White - UNC-CH Toxicology Curriculum, Pre-doc research rotation, Summer 2004

Jennifer Rayner - Under-grad Independent Study/Honor Thesis; Biology Dept., NCCU 2001

Natalie Groce - UNC-CH School of Medicine, Pre-Med research rotation 1996-1997

Annette Phelps - UW-Madison, Animal Sciences Department 1991-1993

Brenda Bielmeier - UW-Madison, Dairy Science Department 1990-1993

RESEARCH INTERESTS:

Regulation of fetal mammary gland development
Control of breast development during puberty and relationship to adult disease

Effect of environmental factors on a mother's ability to lactate
Children's health as it pertains to exposure via breast milk (disposition) and latent health effects
Chemical effects on breast cancer risk factors such as obesity, breast density, and hormones

ACADEMIC and SCIENTIFIC HONORS:

NIEHS-related 2009-present:

- 2018 NIH Individual Merit Award for "Notable efforts addressing nationwide concerns regarding exposures to poly- and perfluorinated alkyl substances".
- 2017 NIH Group Merit Award for "Exemplary creativity in developing and hosting hands-on activities for children and adults as part of the Science in the Cinema community outreach and education program".
- 2016 EPA STAA Honorable Mention: Lehmann et al. Environmental Chemicals and the Breast: exposure through breastfeeding and effects on development.
- 2015 EPA STAA Level III Award: Marchitti et al. Providing Critical Models and Information Needed for Exposure and Risk Assessments of Environmental Chemicals in Infants
- 2013 NIH Cross-Divisional Merit Award for "Interagency Breast Cancer and Environment Coordinating Committee - For outstanding participation and service to the Interagency Breast Cancer and Environment Coordinating Committee".
- 2012 EPA STAA Level III Award: Kodavanti et al. Research to Understand Developmental and Long-Term Consequences of Polybrominated Diphenyl Ether Exposures
- 2011 NIEHS Paper of the Year. Macon et al., 2011. Prenatal perfluorooctanoic acid exposure in CD-1 mice: low dose developmental effects and internal dosimetry. *Toxicol Sci*, 122:134-45.
- 2010 NIH Merit Award for "Successfully leading validation efforts for mammary whole mount evaluations in NTP/NIEHS studies".
- 2010 NIEHS Paper of the Year. Stanko et al., 2010. Effects of Prenatal Exposure to a Low Dose Atrazine Metabolite Mixture on Pubertal Timing and Prostate Development of Male Long Evans Rats. *Reprod Toxicol*, 30:540-549
- 2010 ILSI HESI Scientific Advisor award for leadership and scientific contributions to the Developmental and Reproductive Toxicology Technical Committee (May 2010).
- 2010 EPA STAA Level III Award: Hines et al. Method Development to Measure Phthalate Monoesters, Perfluorinated Chemicals and Endogenous Compounds in Human Milk

US EPA-related 1998-2009:

- 2008 EPA STAA Level I Award: Lau, Abbott, Rosen, Fenton, Das and Wolf. A Team Contribution to the Understanding of Early-Life Health Effects Following Perinatal Exposure to PFOA in Mice
- 2007 EPA STAA Level III Award: Fenton et al. Published Adverse Low-Dose Effects of Female Rat Mammary Glands Following Prenatal Exposure to Atrazine Metabolites
- 2007 May. Research Highlight: *Environ Health Perspect* 115(5):A250-256. EnviroNews Focus article: Perfluoroalkyl Acids: What is the Evidence Telling Us? Fenton lab mouse photos and research highlighted.

Quality Accomplishment Recognition (Q) Award – 2/07

2005 NHEERL award: Goal 3 Science Award

2005 NHEERL award: Diversity - Minority Mentoring

Outstanding Presentation - US EPA Science Forum, May 2005 - Fenton et al., "Methods

Advancement for Milk Analysis: Successful Inter-Agency and NHEERL Collaborations”
Paper of the Year Award - *Toxicological Sciences* - RDTSS at 2006 Society of Toxicology
Rayner, Enoch, and Fenton. 2005. Adverse effects of prenatal exposure to atrazine
during a critical period of mammary gland growth. *Toxicol Sci* 87:255-266
2004 EPA STAA Level III Award: Fenton et al. Demonstrating the adverse effects of prenatal
dioxin exposure on the developing mammary gland
2004 EPA STAA Level III Award: Abbott, Fenton, et al. Studies on the role of growth factor
signal transduction pathways in developmental toxicity
2004 Thomson’s Essential Science Indicators (ESI) and Journal Citation Reports – top 1% cited
paper in Environment/Ecology category: Birnbaum and Fenton, 2003, *EHP*.
Numerous Cover Photos for Top Toxicology Journals (detailed in publications)
Exceptional ORD Technical Assistance to the Regions or Program Office Award, 2000
Numerous Special Accomplishment Recognition (S) Awards (RTD/NHEERL/EPA)

Prior to government employment:

Finalist for the Ladies Auxiliary of the Veterans of Foreign Wars Cancer Research Award 1997
National Institutes of Health, National Research Service Award (1F32-CA63775-01) 1994-1996
Postdoctoral Fellow - LCCC Training Grant (5T32-CA09156-19) 1993-1994
Sigma Xi Research Award, National Academy of Sciences endowment, 1991
USDA Biotechnology Research Fellow (87-GRAD-9-0084)
Louise Troxell Award, 1988 (Outstanding UW-Madison Female Senior university-wide)
Theodore Herfurth Award Finalist 1988 (Outstanding UW-Madison Senior Student)
University Bookstore Independent Research Award 1988
UW-Madison Alumni Award, 1988 (Outstanding UW-Madison Senior)
Academic All-American 1987 and 1988
American Dairy Science Association Achievement Award, 1987 and 1988
W.D. Hoard Memorial Honor Scholarship, 1987-88
UW-Madison Alumni Award, 1987 (Outstanding UW-Madison Junior)
Academic Achievement Scholarships (>10 not noted above; UW-Madison)
National Travel Award Recipient - SSR, AACR, FASEB, ADSA

PROFESSIONAL ACTIVITIES:

Organizations

Society of Toxicology, Full Member (2001-present)

- Reproductive & Developmental Toxicology Specialty Section (SOT) (2001-present)
- Women in Toxicology (SOT) (2001-present)
- Toxicology and Experimental Pathology Study Section (SOT) (2010-2012)

Teratology Society (2011-present)
N.C. Society of Toxicology (1999-2005; 2014-present)
Triangle Consortium for Reproductive Biology
University of Wisconsin-Madison Alumni Association (life member)
Triangle UW-Madison Alumni Club (2006-present)
Sigma Xi (life member)
International Society for Exposure Sciences (2007-2012)
American Society for Cell Biology (1996-7)
American Association for Cancer Research (1996-8)

American Association for the Advancement of Science (AAAS, 1997-2006)

Committee or Volunteer Service

NIEHS-related 2009-present:

Teratology Society Awards Committee member (June 2017 - present)
UNC-Chapel Hill Curriculum in Toxicology Post-doc Selection Committee (2016 - present)
NIEHS Distinguished Lecture Series Committee – DNTP representative (Jan 2016 - present)
NIEHS – Assembly of Scientists: Councilor - open election (December 2015 - 2017)
NIEHS 50th Anniversary – 25th Anniversary of EDCs Symposium Planning Committee; Session lead on “Emerging Chemicals and Tools” (May 2015 - Sept 2016)
UNC-Chapel Hill Curriculum in Toxicology Executive Committee (July 2013 – June 2015)
UNC-Chapel Hill Curriculum in Toxicology Graduate Review Committee 2010-2013
NIEHS Division of Intramural Research COP III Promotion Committee Jan 2012 - Dec 2015
(Acting Chair – Dec 2012, April 2013, Sept 2015, Nov 2015)
(Ad hoc lead reviewer – March-May 2016)
NIEHS Strategic Planning in Predictive Toxicology (co-chair Life Stage Susceptibility) 2012-4
NTP Board of Scientific Counselors Review presenter – April 16-18, 2014.
NIEHS volunteerism – NTP Trainee Forums: 3/20/2014 Flash Networking; 3/2015 Speed Interviewing; 2016 Science in the Cinema – Raleigh, NC.

NTP Study Design Teams/Review Teams:

Crumb Rubber & Research Report 13
RoC Reviewer – Light at Night/Melatonin
CNVERG – Hallmarks of Cancer
 α -Pinene
Aromatic Phosphate Flame Retardants
Neurobehavioral effects of BDE 47, 99, and 153 in mice
In utero/Lactational 2 yr studies of BDE 47, 99, and 152 in mice
Perfluorinated Chemicals in rats
Soy Infant Formula in mice

US EPA-related 1998-2009:

Society of Toxicology RDTSS Program Committee 2007 SOT; Councilor 2009 SOT
US EPA Human Health Research Implementation Plan - investigator 2002-2009
US EPA SP2 Implementation Plan – investigator and co-project lead 2005 to 2009
US EPA Long-term Goal 3 co-lead for Human Health Risk Program BOSC review 2008-2009
US EPA NHEERL Quality Assurance Working Group - RTD representative 2/06-9/09
US EPA EDC Implementation Plan - investigator 2001-2006
National Children’s Study Biological Sample Collection Panel 11/05-09/08
US EPA RTD Performance and Recognition Committee 2001-2004
US EPA RTD Workgroup on Improving Communication 2004
National Children’s Study, “Early Origins of Adult Health” working group 2002-04
US EPA RTD Seminar Series Committee 1999-2003

Prior to government employment:

Chair, Endocrinology-Reproductive Physiology Research Symposium, UW-Madison 1991

UNC-CH Lineberger CCC Postdoctoral Committee 1994-95
UW-Madison ERPP Research Symposium Planning Committee, 1992
UW-Madison ERPP Seminar Committee 1988-89, 1991-92
UW-Madison ERPP Curriculum Committee 1989-90, 1992-93
UW-Madison Department of Dairy Science Curriculum Committee 1987-1988

Outside Activity Leadership Roles

Service to journals:

Editorial Board, *Environ Health Perspect – Assoc. Ed.* - May 2017-present
Endocrinology – 2015 – present (ed. Andrea Gore)
Birth Defects Research - 2003-present (ed. George Daston)
Endocrine Disruptors - 2013-2017 (ed. Cheryl Watson)
Reproductive Toxicology - 2011-2016 (ed. Tom Knudsen)

Ad hoc reviewer: 1993–Present (over 100 requests in the last 2 years; **Bold** = 2017-8 reviews).
Acta Histochemica, *Archives of Environmental Contamination and Toxicology*, ***Biology of Reproduction***, ***Birth Defects Research***, ***BMC Pharmacol & Toxicol***, *Breast Cancer Research*, *Cancer Epidemiology*, ***Chemosphere***, *Developmental and Reproductive Toxicology*, *Endocrine-Related Cancer*, ***Endocrinology***, *Environment International*, ***Environmental Health Perspectives***, ***Environmental Health***, ***Environmental Monitoring & Assmt***, ***Environmental Pollution***, *Environmental Research*, ***Environmental Science & Technology***, *Experimental Biology and Medicine*, *Fertility and Sterility*, *Gene Regulation and Systems Biology*, *Genes, Chromosomes & Cancer*, ***Histology & Histopathology***, *Human Reproduction*, ***International J Environ Res Public Health***, *J of Endocrinology*, *J of Experimental Pathology*, *JCEM*, *Journal of Exposure Science and Environmental Epidemiology*, *JoVE*, *Mammary Gland Biology & Neoplasia*, ***Nature Reviews Cancer***, *Neurotoxicology*, ***PLoS Biology***, ***PLoS ONE***, ***PPAR Research***, ***Reproductive Toxicology***, *Toxicologic Pathology*, ***Toxicological Sciences***, ***Toxicology and Applied Pharmacology***, *Toxicology Letters*, and more.

NIEHS-related Activities 2009-present:

Expert Reviewer – UMass-Amherst, School of Public Health & Health Sciences, Dr. Tim Ford, Director. Review of promotion potential for Dr. Alexander Suvorov. Aug 2018.
Expert Advisor – PFAS and Breast Cancer in Women in the Military. CDMRP grant collaborator with Dr. Celia Byrne, USUHS, Bethesda, MD. July 2018 – present.
Expert Reviewer – UNC Policy Collaboratory and the N.C. Per- and Polyfluoroalkyl Substance Testing (PFAST) Network to review proposals, Dr. Jason Surratt, Director. July 2018.
TRAC 2018 Session Co-Chair on PFAS State of the Science (Mike Quinn, Army Public Health, co-chair). April, 2018. Cincinnati, OH.
Advisor on PFAS for federal cross-agency Toxics and Risks Subcommittee; Chris Weis, NIEHS, Ron Hines, US EPA, and Bindu Nair, DoD; co-chairs. 2017 and 2018 – multiple calls.
Expert Reviewer – NCSU Center for Human Health and the Environment. Review and score research projects for internal funding. Dr. J. Bonner, chair. March 2018.
Co-Organizer for Cross Agency Information Exchange on PFAS – NIH Bethesda, MD. Feb 5-6, 2018.
Co-Chair with Ron Hines, USEPA, Health Effects State of the Science, at Cross Agency

Information Exchange on PFAS, NIH Bethesda, MD. Feb 6, 2018.

NIEHS PFAS Expert – Assist in writing and compiling NIEHS response to DHHS-wide queries on PFAS; includes July 2018 Congressional Briefing by LB, June 2017 Rep. Fitzgerald Bill on PFAS, July 2017 updates to Federal Toxics and Risks Subcommittee, Aug 2017 help DERT POs with emergency research funds requests on PFAS.

Symposium Co-chair and Speaker – Teratology Society Annual Meeting – Environment and the Male Breast. June 24, 2017. Denver, CO.

NTP Lead – PFAS In Vitro REACT team – lead study design and in lab studies for about 50 PFAS nominated through EPA, FDA, and others. May 2017 – present.

Invited Lead Reviewer – US EPA Technical Qualifications Board, Dr. Abdel Kadry, lead. Led review of 2 of 12 required section responses for NCEA employee. May 2017.

Invited Reviewer – Center for Human Health and the Environment grants reviewer. J. Bonner, lead. Review and score innovation grant proposals. May 2017.

Invited Member – Cross-Fed Agency/Center/Dept Chemical Toxicity Assessment (CTA) working group. Lynn Flowers, EPA, lead. April 2017- present.

Invited Session Chair – Society of Toxicology Annual Meeting – Endocrine Toxicology Platform session. March 14, 2017. Baltimore, MD.

Expert Panel – Paradigm II – team goal to define a model for environmental risks related to premenopausal breast cancer. Dr. Robert Hiatt, lead, UCSF. Feb 2014 – present.

Expert Advisor – Women Firefighters Biomonitoring Collaborative (WFBC). Rachel Morello-Frosch, lead, UCSF. Dec 2014 – present.

Invited Lecturer – UNC-Chapel Hill TOX442 (second yr TOX grad students) – ‘Development’. October 27, 2016; October 26, 2017, October 25, 2018.

Session Lead – NIEHS 25th Anniversary of EDCs Symposium. ‘Safer Chemicals and Better Research Strategies’. September 20, 2016.

NIEHS Representative - Hoosick Falls/Petersburgh Town Hall Meeting on PFOA. Hoosick Falls, NY. June 29, 2016.

Writer/Grader for Toxicology Curriculum Comprehensive exams for predoctoral students– May 2016 (Fenton/Birnbaum)

Guest lecturer – California Breast Cancer Research Program and Commonweal – advocate training on breast cancer and the environment. Los Angeles, CA, May 24-26, 2016.

Invited Reviewer – European Union grant review on environmental chemicals. April – June 2016.

Grant reviewer - California Breast Cancer Research Program’s Etiology, Prevention and Biology Committee. Leena Hilakivi-Clarke and Fredika Robertson, Co-Chairs. February 17-18, 2014. San Francisco, CA

External Reviewer for Promotions Committee - Department of Animal, Dairy and Veterinary Sciences in the College of Agriculture and Applied Sciences at Utah State University (USU). Sept –Oct, 2014.

Provide research guidance to DERT NIEHS – Breast Cancer and the Environment Research Program. October 2014. Helped them development new RFA.

UNC Toxicology Curriculum Thesis Committee member – Alisa Suen, under the supervision of Dr. Carmen Williams, NIEHS. Fall 2013-May 2017.

Research Collaborator – NIEHS BPA CLARITY Grant with Dr. Ana Soto. Mammary gland as a target tissue. 2013-present.

Grant reviewer – Ohio Cancer Research Associates – Breast Cancer and the Environment. May,

2013

- Grader for Curriculum in Toxicology comprehensive exams for predoctoral students– July 2013
- Invited Expert – Doctoral Thesis Defense Reviewer for Karen Riiber Mandrup. Danish Technical University, National Food Institute. Soborg, Denmark. August 9, 2013
- Invited Expert – Environment & Disparities Strategy Advisor to the California Breast Cancer Prevention Initiative. California Breast Cancer Research Program. Oakland, CA. Feb 25-27, 2013; May 28, 2013; Sept 25, Oct 24 and Nov 22, 2013
- Expert Reproductive Toxicologist – Canine Lifetime Health Project. Joint collaborative project with Morris Animal Foundation and Colorado State University. Oct 2102, assigned to the Scientific Steering Committee as the Toxicology/Environment Strategy Advisor. April 2011-present
- Instructor – Collaborative on Health and the Environment (CHE) and Commonwealth: Environmental Health Science and Breast Cancer, May 2-4, Sept 27-29, and November 7-9, 2011, March 14-16, 2012. Bolinas, CA
- Expert Testimony on PFOA research – NC Scientific Advisory Board for Water Contaminants. April and May 2012
- Grant reviewer - California Breast Cancer Research Program’s Etiology, Prevention and Biology Committee. Kirsten Moysich, Chair. May 15-16, 2012. San Francisco, CA
- Grant reviewer – University of Michigan Environmental Health Sciences Core Center – Lifestage Exposures and Adult Disease. NIEHS P30 grants. July 23, 2012
- Briefing on PFOA research – DuPont and 3M. Summary of published work on PFOA by Fenton Lab. NIEHS, RTP, NC. October 2012
- Briefing – NTP Management – on progress in mammary gland whole mounts and evaluation. Keystone, NIEHS. December 2012
- Invited Expert – Approaches to Improving the Risk Assessment of Persistent, Bioaccumulative and Toxic (PBT) Chemicals in Breast Milk Expert Workshop. US EPA, RTP, NC. October 24-26, 2012
- Instructor – Collaborative on Health and the Environment (CHE) and Commonwealth: Reproductive & Environmental Health Science Training, November 12-15, 2012. Bolinas, CA
- Expert Panel Participant – Eunice Kennedy Shriver National Institute of Child Health and Human Development: Scientific Vision Workshop on the Environment. March 10-11, 2011
- Expert Panel Participant- Center for Disease Control & Prevention workshop on Cancer Prevention in Pre-adolescence and Adolescence. August 20-21, 2011
- Inter-Agency Breast Cancer and the Environment Research Coordinating Committee – NIEHS voting representative July 1, 2010-June 30, 2014
- OECD and US EPA Extended One-Gen Reproductive Toxicology test guidelines – international lead on mammary gland evaluation validation. Oct. 2010 - 2013.
- Debate Moderator and Grader – NC Central University, April 19, 2010. “Atrazine Risk” – Advanced Biology students
- Trained RTI International contract lab in mammary gland removal and whole mount preparation for upcoming NTP studies. April 21 & 23, 2010
- Office of Prevention, Pesticides & Toxic Substances and Office of Water: Scientific Advisory Board preparation– Mammary glands and atrazine exposure. May 6, 2010
- Writer/Grader for Toxicology Curriculum Comprehensive exams for predoctoral students– May

2010

- Congressional and Senatorial briefing – President’s Cancer Panel follow-up on breast cancer.
Invited by Breast Cancer Fund (DECLINED due to conflict). May 21, 2010
- NC Dept of Environmental and Natural Resources, Division of Air Quality, Scientific Advisory Board briefing on low dose PFOA publications. May 25, 2010
- Grant Review Chair. California Breast Cancer Research Program, Special Research Initiatives. Epidemiological cohorts and early life exposures. August 2010
- EPA Scientific Advisory Panel for Atrazine – present work on atrazine and mammary gland effects. Sept. 14-15, 2010
- Medical Research Centers Grant review – South Africa; Reproductive/Endocrine Expertise in August, 2009
- National Institute of Environmental Health Sciences SEP Bisphenol A grant review panel, Chapel Hill, September 2009
- Invited Expert - CBCRP Breast Cancer Approaches – Green Chemistry Initiative. Development of tiered testing approach to identify breast carcinogens or developmental toxicants. April and Sept 2009
- Invited external evaluator - PFAA research evaluation meeting – 3M, Minneapolis, MN. Sept 2009
- International Workshop Chair - Mammary Gland Evaluation and Risk Assessment Workshop and mammary gland round robin evaluation. Oakland, CA. November 2009
- International Session Chair for SOT-sponsored PPTOXII Workshop – “Environmental Influences and Developmental Origins of Cancer”, Miami Beach, FL. December 2009

US EPA-related 1998-2009:

- Co-chair session on Pharmacokinetics and Alternative Animal Models at New Directions in Toxicology Testing Workshop. Developmental and Reproductive Toxicology (DART) committee of the ILSI HESI. Washington, D.C., April 2009
- Invited External Scientific Reviewer; Center for Environmental Health and Susceptibility (CEHS) Pilot Project Proposals, University of North Carolina-Chapel Hill. January, 2008
- US EPA Representative to the Developmental and Reproductive Toxicology (DART) Technical Committee at the ILSI Health and Environmental Sciences Institute. February 2008-present
- OW Program Office Briefing – Atrazine and metabolites; February 2008
- OPPT Program Office Briefing – Atrazine and metabolites and SOT activities; March 2008
- Chair, Society of Toxicology symposium entitled, "Chlorotriazine herbicides and their common degradation products of concern: Disposition and Potential Health Effects". Seattle, WA. March 2008
- Invited Reviewer – State of the Evidence 2008, Bi-annual document focused on progress in the field of environmental connections to breast cancer. Edited by the Breast Cancer Fund.
- OW & OPPT Program Office Briefing – Atrazine metabolites; May 22, 2008
- Invited Grant Review Leader - California Breast Cancer Research Program, Special Research Initiatives, August 2008
- Invited External Scientific Reviewer; NIEHS Superfund grants. Reproductive/Endocrine expertise. Nov 5-8, 2008. Chapel Hill, NC
- Elected Councilor for the SOT Reproductive and Developmental Toxicology Specialty Section

(RDTSS) January 2007-March 2009

Scientific Reviewer for SEERAD Science and Analysis Group: The Effect of the Environment on Human Health (EHH) Initiative Peer Review. SEERAD EHH grants (Scottish Executive, Environment and Rural Affairs Department), Edinburgh, Scotland; April 2007

Invited Consultant – California Breast Cancer Research Program, Special Research Initiatives, May 2007-present

Writer/Grader for Toxicology Curriculum Comprehensive exams for predoctoral students– May 2007

Invited External Scientific Reviewer; NIEHS Superfund grants. Sept 24-27, 2007. Chapel Hill, NC

Consultant to NIEHS grant – PI lead, Beth Vorderstrasse, University of Washington, Pullman, WA (R21 ES14422-01, awarded 1/06)

Invited Expert Panelist, Raleigh, NC, “NTP’s Rodent Models for Hormonally-Induced Reproductive Tumors Workshop” – served on the Mammary Gland Panel. May 2006

Biology Expert on the oversight committee (Working Group) for the NIEHS-funded Breast Cancer and the Environment Research Centers (BCERC) multi-center grants Nov 2006-2012.

Chair, Society of Toxicology symposium entitled, “Environmental Effects on Breast Cancer Susceptibility”, New Orleans, LA, March 2005

OPPTS Program Office Briefing – Atrazine; April 2005

Invited Panelist, International Cancer Cohort Workshop, Washington, D.C., National Children’s Study, Sept. 2005

Consultant to NIEHS/NIH grant – PI lead, B. Paige Lawrence, University of Rochester, NY (R01 ES013958; awarded 8/05)

Chair, Society for the Study of Reproduction symposium entitled, “Effects of the Environment and Nutrition on Development and Female Reproduction”, Quebec City, Quebec, Canada. July 2005

OPPT Program Office Briefing – PFOA; December 2005

Scientific Reviewer for NIEHS K23 awards; December 2005

Chair, Exposure Working Group, “Expert Panel on Human Milk Surveillance and Biomonitoring for Environmental Chemicals in the United States”, Hershey, PA, September 2004.

Technical Advisor, US EPA contract (4D-5640-NTLX) to LabCorp, Inc. to validate the endogenous components of breast milk in the MAMA study. 2003-2006

Technical Advisor, US EPA Cooperative Agreement CR-83150601-0 with Penn State University to monitor PBDEs in human milk 2003-2009

Co-chair, Society of Toxicology symposium entitled “Endocrine Disruptor Exposures and Puberty”, Salt Lake City, UT, March 2003

Invited Panelist, Office of Women’s Health Forum, Washington, D.C., “Workshop on Breast Cancer and the Environment” June 2003

Invited Observer, Serono Symposium, Chicago, IL, “Role of Environmental Factors on the Onset and Progression of Puberty Expert Panel Workshop” (declined panelist invitation, attended as observer). November 2003

Scientific Reviewer, NIEHS 03-001, Breast Cancer and Environment Research Centers, multi-center grants review 2003

Invited reviewer (Special EPA Clearances): “Biomarkers for Assessing Reproductive Development and Health: Part 1 – Pubertal Development” (1/04), EPA’s Cancer Risk

Guidelines (1/05), “Assessing Susceptibility from Early-Life Exposure to Carcinogens” (1/05), "Taking Stock: Toxic Chemicals and Children's Health in North America" (6/05), Conclusions from Special Workshop on Low Dose Bisphenol A Health Effects (3/07)
Funding Recipient, NHEERL Minority Training Awards (train graduate and undergraduate students in RTD). 2001, 2002, 2003, 2004
Project Manager, CRADA #0176-99 Development of Toxicology/Stress DNA Microarrays 2002
Theme Leader, NCS Goal 8.2 for RTD 2002-2006
Chair, US EPA Reproductive Toxicology Division Seminar Series 2000-02

INVITED TALKS AND SEMINARS

NIEHS-related 2009-present:

1. University of Rochester Environmental Health Sciences Center seminar series. Invited speaker. “Title TBD”. Rochester, NY. Dec 6, 2018.
2. Wayne State University and Karmanos Cancer Institute’s Population Studies & Disparities Research Program. Keynote speaker. “Title TBD”. Detroit, MI. Oct 5, 2018.
3. UNC Center for Environmental Health & Susceptibility and the Environmental/Occupational Epidemiology Seminar Series. Invited speaker. “3000 and Counting: How will we prioritize PFAS for health effects research”. Chapel Hill, NC. Aug 24, 2018.
4. Commonweal Biomonitoring Resource Center and the Integrated Flame Retardant Collaboration. Invited online seminar presenter. “NTP/NIEHS PFAS Research Efforts”. May 10, 2018.
5. SOT ‘Hot Topics’ session on PFAS. Invited speaker. “3000 and Counting: How to prioritize PFAS for health effects research”. San Antonio, TX. March 13, 2018.
6. Duke University Spring Symposium, *Breast Cancer & the Environment*. “The mammary gland: a sensitive target to environmental endocrine disruptors”. Durham, NC. March 9, 2018.
7. CA Breast Cancer Research Program – invited speaker. “What’s New and Important? PFAS research needs & Bisphenol alternatives”. UC-Berkeley, Berkeley CA. Feb 12, 2018.
8. Federal Information Exchange on PFAS – invited speaker. “Current Scientific Trends in PFAS Knowledge: Health Effects”. Feb 5, 2018. NIH, Bethesda, MD.
9. Army Public Health Center. Invited speaker and MG whole mount expert – “PFOA-Related Health Effects: The mammary gland as a sensitive target tissue”. Dec 6, 2017. Aberdeen Proving Grounds, MD.
10. American College of Epidemiology – Workshop on Extreme Personal Exposure Biomarker Levels: Guidance for Investigators. Invited Speaker. “Biomonitoring Equivalents and Exposure Thresholds.” Sept. 24, 2017. New Orleans, LA.
11. Department of Defense Chemical Material Risk Management Program, Materials of Evolving Regulatory Interest Team (MERIT) Information Meeting. Featured speaker. “Update on NTP and NIEHS Research on PFAS-related Health Effects”. Presented via webinar, July 18, 2017. Washington, D.C.
12. Breast Cancer and the Environment Research Program (BCERP) Integration Meeting. Keynote Speaker for Exposure Equivalency. “Making rodent studies relevant: Dose equivalency, half-lives, and exposure assessment”, July 19, 2017. Philadelphia, PA.
13. BCERP-sponsored Mammary Gland Whole Mount Workshop. Invited Speaker and Workshop Expert by Dr. Jose Russo, “Issues in Evaluating Mammary Gland Development: Strain & Sex Comparison, Whole Mount Utility, and Quantitative Branching Analysis.”

- July 17-18, 2017. Fox Chase Cancer Center, Philadelphia, PA.
14. NIEHS Wake County Teacher Boot Camp. Invited Guest Speaker. “Real life environmental problems – in our back yard.” July 11, 2017. NIEHS, RTP, NC.
 15. Teratology Society Annual Meeting – Male Breast Health: The Role of Developmental Exposures on Childhood and Adult Outcomes. Invited Symposium Speaker. “Male Rat Mammary Gland Effects after Developmental Exposure to Environmental Chemicals.” June 26, 2017. Denver, CO.
 16. US EPA’s ToxCast Group Meeting. Invited Speaker. “NTP’s Collaborative Evaluation of Predicted Obesogens using Tox21 Data, Data Mining, and 3T3-L1 Cell Testing.” May 31, 2017. US EPA, RTP, NC.
 17. National Science and Technology Council’s Subcommittee on Toxics and Risks. Guest Speaker: “PFAS-Related Research in the National Toxicology Program and NIEHS.” May 11, 2017. Invited Update, July 20, 2017. White House Conference Center, Washington, D.C.
 18. U.S. EPA’s Laboratory and Technical Information Group Conference. Invited Speaker. “PFOA-related Health Effects.” Presented via webinar, May 1-4, 2017. Chicago, IL.
 19. CBCRP Chemicals Testing Group Update. April 6, 2017. Invited Speaker. “Environmental Chemical Interactions with Cancer Pathways: EWG Nomination & Literature Search/Systematic Review Plan.” Presented via webinar. San Francisco, CA.
 20. NIEHS Assembly of Laboratory Scientists (AoLS) monthly meeting series. February 14, 2017. Guest Speaker: “How to prepare for FOIA requests.” NIEHS, RTP, NC.
 21. Children’s Environmental Health Institute, Ninth Biennial Scientific Symposium: Emerging Science of Endocrine Disruptors and the Unborn Child. March 29, 2017. Invited Speaker. “The Endocrine Society’s Second Scientific Statement on Endocrine Disrupting Chemicals (EDC-2).” Dell Children’s Medical Center of Central Texas, Austin, TX.
 22. California Breast Cancer Research Program QuickStart Workshop, May 24-25, 2016. Invited lecturer & mentor. “Environmental Impact on Breast Development and Cancer Risk: What you need to know.” Los Angeles, CA.
 23. NTPL Summer seminar series. July 13, 2016. Discussion Leader. “TBBPA-induced Health Effects.” NIEHS, NTP, NC.
 24. Center for Research on Families, Tay Gavin Erickson Lecture Series, Nov 28-30, 2016. Invited speaker & mentor. “Early Life Chemical Exposures and Female Puberty-Related Outcomes in Animal Models.” University of Massachusetts, Amherst, MA.
 25. EHS FEST: Breast Cancer and the Environment Research Program (BCERP) Annual Meeting, December 5, 2016. Invited Speaker. “Environmental Impact on Breast Development and Cancer Risk: What is happening at the NTP?” Durham, NC.
 26. Duke University – Environmental Toxicology Program Invited Lecture ENV815. February 18, 2015. “Mammary Gland Development and Environmental Impact.” Durham, NC.
 27. CEH Alternative Sources of Energy - Energy Development & Reproductive Health. Invited Speaker. April 6, 2015. “Chemical Exposures & Life-Long Reproductive Health Impacts.” Webinar.
 28. NTPL Summer seminar series. July 14, 2015. Discussion Leader. “Reproductive Endocrinology Group – A team effort.” NIEHS, RTP, NC.
 29. ACVP/ASVCP/STP Combine, October 18, 2015. Invited Speaker. “Methodological Advancement in the Mammary Gland: New Insights for Detecting Mammary Carcinogenesis.” Minneapolis, MN.

30. NTP/FDA Research Updates. February 24, 2014. Presenter. "Preliminary Outcomes in CD-1 Mouse Model: Half-lives of BP analogs in pregnant mice." NIEHS, RTP, NC.
31. Environmental Endocrine Disruptor Gordon Research Conference. May 12, 2014. Invited Speaker. "Lifelong Impact on the Female Reproductive System in Mice Prenatally Exposed to Perfluorooctanoic Acid." Il Ciocco, Italy.
32. Ramazzini Institute Workshop on Mammary Gland Evaluation, Invited Speaker. May 19, 2014. "The National Toxicology Program Approach to Mammary Gland Evaluation." Bologna, Italy.
33. Collaborative on Health & the Environment (CHE). Invited Speaker. October 20, 2014. "Four Years After the President's Cancer Panel Report: Recommendations and Next Steps. Environmental Effects on the Breast." Webinar.
34. NC State University – Toxicology Program. Invited Speaker. October 29, 2014. "Lifelong Health Impact in Female Mice Prenatally Exposed to Perfluorooctanoic Acid." Raleigh, NC.
35. Women's Reproductive Environmental Health, "Multidisciplinary Project on DES and Metabolomic Markers – The Study Design," January 30th, 2013. NIEHS, RTP, NC.
36. 2nd Collaborative Summit on Breast Cancer Research, January 31- February 2, 2013. Invited Speaker. "Update on Laboratory-Based Studies of Environmental Exposures and Breast Cancer Risk." Gaithersburg, MD.
37. Danish Technical University, National Food Institute, August 8, 2013. Invited Speaker. "Low dose PFOA exposure during late gestation in CD-1 mice induces multiple adult health outcomes." Soborg, Denmark.
38. NIEHS Laboratory of Toxicology and Pharmacology Seminar Series, Nov 7, 2013. Invited Speaker. "Low-dose prenatal PFOA exposures and latent health effects in adult CD-1 mice." RTP, NC.
39. Environmental Endocrine Disruptor Gordon Conference, June 3-8, 2012. Invited Speaker. "Endocrine Disruptors, Breast Development, and Breast Milk." Mount Snow, VT.
40. Teratology Society Annual Meeting, June 25-28, 2012. Invited Speaker. "Early Life Environmental Exposures: Lifelong Impact on Mammary Gland Development and Function." Baltimore, MD.
41. NIEHS Receptor Mechanisms Discussion Group Series, August 7, 2012. Invited Speaker. "Mammary gland as a sensitive target tissue for endocrine disruption." NIEHS, RTP, NC.
42. 2012 CDC Cancer Conference session titled "Starting younger: lowering cancer risk beginning with children and adolescents," August 22, 2012. Invited Speaker. "Environmental impact on breast development during puberty: What lies ahead?" Washington, D.C.
43. Toxicology/Environment Strategy Advisor – Morris Animal Foundation and Colorado State University – Canine Lifetime Health Project, October 2-3, 2013. Denver, CO.
44. American Public Health Association 140th Annual Meeting, October 27-31, 2012. Invited Speaker: "Early Life Exposures to Endocrine Disrupting Compounds: Potential for Cancer Burden." San Francisco, CA.
45. Breast Cancer and the Environment Research Program (BCERP) Annual Meeting, November 15-16, 2012. Invited Speaker. "Breast Cancer and Lifestage Susceptibility." San Francisco, CA.
46. Public Interest Partners 2 Meeting, December 14th, 2012. Representing NTP. "The New and Improved NTP". NIH, Bethesda, MD.

47. North Carolina State University, Department of Environmental and Molecular Toxicology, April 12, 2011. "Early Life Environmental Exposures: Lifelong Impact on Mammary Gland Development and Function." Raleigh, NC.
48. Collaborative on Health and the Environment (CHE) – Breast Cancer and the Environment. Conference broadcast on July 21, 2011.
49. CDC's Division of Cancer Prevention and Control. Identifying Opportunities for Cancer Prevention during Preadolescence and Adolescence. August 9-10, 2011.
50. CDC's Division of Cancer Prevention and Control. Breast Cancer in Young Women, September 12-14, 2011. "Environmental Chemicals Affecting Breast Cancer Risk."
51. AACR Cancer Prevention Forum, October 23-25, 2011. "Life-stage susceptibility and low dose response as important factors in carcinogen identification." Boston, MA.
52. East Carolina University, Department of Pharmacology & Toxicology, October 26, 2011. "Low dose PFOA exposure during late gestation in CD-1 mice induces multiple adult health outcomes." Greenville, NC.
53. Illinois State University, Department of Physiology, November 16, 2011. "Early Life Environmental Atrazine Exposures: Lifelong Impact on Mammary Gland Development and Function." Bloomington-Normal, IL.
54. Collaborative on Health and the Environment (CHE) – IOM report: Comments and suggestions for the future. Conference broadcast on December 16, 2011.
55. NIEHS, National Toxicology Program, Cellular and Molecular Pathology Branch Seminar, February 16, 2010. "Early Life Environmental Exposures: Lifelong Impact on Mammary Gland Development and Function." RTP, NC.
56. New Jersey Department of Health briefing on Fenton's Mammary Gland PFAA manuscripts. February 16, 2010.
57. American Association for the Advancement of Science (AAAS) Annual Meeting, February 19, 2010. "Early Life Exposures: Lifelong Impact on Mammary Gland Development and Function." San Diego, CA.
58. North Carolina A&T State University, Life & Physical Sciences Research Symposium. Ethnic Variation in Cancer: Prevention, Diagnosis and the Search for a Cure, February 26, 2010. "Early Life Environmental Exposures: Lifelong Impact on Mammary Gland Development and Function." Greensboro, NC.
59. NIH Office of Research on Women's Health. Environmental Exposures and Women's Health Seminar series, March 2, 2010. "Early Life Environmental Exposures: Lifelong Impact on Mammary Gland Development and Function." Bethesda, MD.
60. Office of Prevention, Pesticides & Toxic Substances and Office of Water research update seminar, March 4, 2010. "Mammary gland effects following atrazine exposure."
61. NC Central University, Department of Biology. Invited seminar, April 12, 2010. "Atrazine Effects and Mechanisms of Action in Mammals – Mammary tissue as a sensitive end point."
62. Brown University Department of Pathology. Invited seminar series speaker, April 15, 2010. "Mammary gland whole mounts as a useful determinant of developmental abnormalities following prenatal environmental exposures in rodents." Providence, RI.
63. Mid-Atlantic Society of Toxicology Annual Meeting guest speaker, May 13, 2010. "Low dose PFOA exposure during late gestation in CD-1 mice induces multiple adult health outcomes."
64. NIEHS, Division of Intramural Research, Laboratory of Reproductive & Developmental

Toxicology (LRDT) Research Retreat, July 2010. Invited Guest. “Early life environmental exposures: Lifelong impact on mammary gland development and function”. Sigma Xi, RTP, NC.

65. European Teratology Society Annual Meeting, Sept 5-8, 2010. “Mammary gland whole mounts provide valuable information on developmental effects of in utero and early life exposures: Trigger for late life evaluations.” Barcelona, Spain.
66. US EPA Office of Pesticides Program, Atrazine Scientific Advisory Panel Meeting, Sept 14-15, 2010. “The fetal mammary gland and prostate as sensitive developmental targets for atrazine.” Washington D.C.
67. Inter-Agency Breast Cancer & Environmental Research Coordinating Committee, Sept 29-Oct 1, 2010. “Update from the National Toxicology Program on Breast Cancer and the Environment.” Washington, D.C.
68. Inter-Agency Breast Cancer & Environmental Research Coordinating Committee, Sept 29-Oct 1, 2010. “Overview of what we know and don’t know about breast cancer and the environment.” Washington, D.C.
69. Duke University, Integrated Toxicology & Environmental Health Program, October 8, 2010. “Low dose PFOA exposure during late gestation in CD-1 mice induces multiple adult health outcomes.” Durham, NC.
70. Organisation for Economic Co-operation and Development (OECD) and US EPA joint meeting on the Extended One-Generation Reproductive Toxicology (EOGRT) test guideline, October 20, 2010. “The fetal mammary gland as a sensitive developmental target for EDCs.” OPP Offices, Washington, D.C.
71. Society of Toxicology of Canada, December 6, 2010. “Low-dose developmental PFOA exposure in CD-1 mice affects multiple tissues resulting in adverse adult health outcomes.” Montreal, Canada.
72. Mammary Gland Evaluation and Risk Assessment Workshop, November 2009. “Mammary Gland Round Robin and Assessment of Adverse Outcomes.” Oakland, CA.

US EPA-related 1998-2009:

73. Society of Toxicology Workshop on Chlorotriazines and their Metabolites, March 2008. “Disposition and health effects of chlorotriazine metabolites in the pregnant rat and her offspring.” Seattle, WA.
74. Office of Environmental Health Hazard Assessment (OEHHA), California Environmental Protection Agency. Distinguished Lecture Series: Advances in Toxicology and Risk Assessment, April 2008. “Environmental Influences on Mammary Gland Development and Function.” Sacramento, CA.
75. European Congress on Obesity, May 2008. “Exposure parameters and doses of perfluorooctanoic acid (PFOA) required for body weight effects in mice.” Geneva, Switzerland.
76. Perfluoroalkyl Acids Workshop II, US EPA, June 2008. “Exposure parameters and doses of perfluorooctanoic acid (PFOA) required for body weight effects in mice.” RTP, NC. [doi:10.1016/j.reprotox.2008.11.010](https://doi.org/10.1016/j.reprotox.2008.11.010)
77. Environmental Endocrine Disruptors Gordon Conference, June 2008. “The Mammary Gland: A Tissue Sensitive to the Latent Effects of EED Developmental Exposures.” Waterville Valley Resort, NH.
78. ISES/ISEE Joint Annual International Meeting, October 2008. “Perfluoroalkyl Acids in

- the Serum and Milk of Breastfeeding North Carolina Women.” Pasadena, CA.
79. ISES/ISEE Joint Annual International Meeting, October 2008. “Brominated Flame Retardant Levels in Human Milk and Serum from MAMA Study Participants: Preliminary findings from correlations over time and matrix, and with questionnaire results.” Pasadena, CA.
 80. President’s Cancer Panel - Pesticides, NCI, October 2008. “The Mammary Gland: A Tissue Sensitive to Environmental Exposures.” Indianapolis, IN.
 81. Society of Toxicology, March 2007. Developmental Toxicity: Genomic and Non-Genomic Bases. “Long-term health effects of PFOA after prenatal and lactational exposure in mice.” Charlotte, NC.
 82. Frontiers in Environmental Science seminar series, NIEHS, June 2007. “The mammary gland as a sensitive tissue for detecting effects of environmental components.” RTP, NC.
 83. Federal-State Toxicology and Risk Analysis Committee (FSTRAC); Water-related Human Exposure Research and Analyses Symposium, October 2007. “Immediate & Long-term Health Impacts of Prenatal Exposure to PFOA in Mice.” Durham, NC.
 84. Breast Cancer and the Environment Research Centers (BCERC) Annual Meeting, November 2007. “The Mammary Gland as a Sensitive Tissue for Detecting Effects of Environmental Components.” Cincinnati, OH.
 85. Perfluoroalkyl Acid (PFAA) Days, July 2006. “Effects of PFOA developmental exposure on reproductive tissues.” RTP, NC.
 86. American Association of Birth Centers, 22nd Annual Meeting, September 2006. “Environmental Components Found in Breast Milk: Findings from the MAMA Study.” Valley Forge, PA.
 87. NIEHS, Epidemiology Division, October 2006. “Immediate and long-term health impacts of prenatal exposure to PFOA in mice.” RTP, NC.
 88. Atrazine Workshop, April 2005. “Gestational Atrazine Exposure in the Rat: Effects on Mammary Gland Development and Function in Multiple Generations.” Iowa City, IA.
 89. US EPA Science Forum 2005, May 2005. “Methods Advancement for Milk Analysis: Successful Inter-Agency and NHEERL Collaborations.” Washington D.C.
 90. Endocrine Society EDC Forum, June 2005. “Novel effects of dioxin on breast development, function, and susceptibility to cancer.” San Diego, CA.
 91. International Conference on Environmental Mutagens, September 2005. “Environmental Estrogens and Cancer.” San Francisco, CA.
 92. International Society for Exposure Analysis, November 2005. “Milk Monitoring for Environmental Contaminants.” Tucson, AZ.
 93. Fifth Annual Conference on Sex and Gene Expression (SAGE V), March 2004. “Long-term effects of dioxin on reproductive development and sex determination.” Winston-Salem, NC.
 94. Environmental Endocrine Disruptors Gordon Conference, June 2004. “Long-term effects of prenatal exposure to EDCs on the mammary gland of the female rat.” Colby-Sawyer College, New London, NH.
 95. Washington State University, Center for Reproductive Biology, July 2004. “Prenatal environmental exposures and altered mammary tissue development.” Pullman, WA.
 96. Society of Toxicology, March 2003. Session on Endocrine Disruptor Exposures and Puberty. “Mammary Gland Development: Early Life Effects from the Environment.” Salt Lake City, UT.

97. University of WI-Madison, ERPP Distinguished Alumni seminar, July 2003. "The Alumni Perspective: Careers in Government." Madison, WI.
98. National Children's Study Pilot Review Update, November 2003. "Methods Advancement in Milk Analysis (MAMA Study)." RTP, NC.
99. Reproductive Toxicology Division, Work in Progress, December 2003. "Exposure Parameters and Critical Periods Necessary for Atrazine-Induced Mammary Gland Delays in Female Rat Offspring." RTP, NC.
100. Lab-On-A-Chip Conference, January 2002. "Use of DNA Arrays in Environmental Toxicology". (Presented by John Rockett). Switzerland.
101. Environmental Health Sciences Center, University of Wisconsin-Madison. January 2002. "TCDD-Mediated Changes in Mammary Gland Structure and Function: Involvement of EGF-Receptor Ligands". Madison, WI.
102. University of Illinois-Chicago, Environmental Health Program, February, 2002. Chicago, IL. "Role of Developmental Exposures to Endocrine Disruptors in Cancer". (Presented by Linda Birnbaum). Chicago, IL.
103. North Carolina Central University, Toxicology Program, March 2002. "Environmental Toxicants and Disrupted Mammary Gland Development: Breast Cancer Susceptibility". Durham, NC.
104. National Cancer Institute, "Gene/Environment Interactions in Children's Health," March 2002. "Developmental Exposures to Endocrine Disruptors". Bethesda, MD.
105. Society for the Study of Reproduction, July 2002. "Effects from Gestational Exposure to a Mixture of Atrazine and its Biological Metabolites in Male Long Evans Rats." Baltimore, MD.
106. Dioxin Meetings, August 2002. "Role of Developmental Exposure to Endocrine Disruptors in Cancer." (Presented by L. Birnbaum), Barcelona, Spain.
107. Environmental Protection Agency, Office of Pesticides and Pollution Workshop on Environmental Influences on Puberty, October 2002. "Effects of Environmental Toxicants during Critical Periods of Mammary Development." RTP, NC.
108. Society of Toxicology, March 2001. "Environmental Toxicants and Disrupted Mammary Gland Development: The window of susceptibility." In: Breast Cancer: Issues in Screening and Testing of Potential Human Carcinogens. San Francisco, CA.
109. Environmental Mutagen Society, September 2001. "Environmental Toxicants and Disrupted Mammary Gland Development: The window of susceptibility". RTP, NC.
110. Environmental Endocrine Disruptors, December 2001. "Role of Developmental Exposures to Endocrine Disruptors in Cancer". (Presented by Linda Birnbaum). Lisbon, Portugal.
111. Dioxin 2000 Meeting, August 2000. "Adverse effects of TCDD on mammary gland development in Long Evans rats: A two generational study." Monterey, CA.
112. Application of DNA Microarrays to Toxicology, January 1999. NHEERL Workshop, U.S. EPA. "Gene expression during breast development." RTP, NC.
113. Triangle Endocrine Disruptors Group, U.S. EPA. December 1999. "Early adverse effects of prenatal exposure to 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) in the rat mammary gland." RTP, NC.

Prior to government employment:

114. Lineberger Comprehensive Cancer Center Work in Progress Seminars, UNC-Chapel Hill, January 1997. "Sequences regulating cell-specific EGF gene expression." Chapel Hill,

- NC.
115. Lineberger Comprehensive Cancer Center Seminar series, UNC-Chapel Hill, October, 1993. "Regulation of Epidermal Growth Factor." Chapel Hill, NC.
 116. FASEB Annual Meeting, 1993. "Protein kinase C mediation of prolactin down-regulation of EGF-stimulated signaling events in mouse mammary epithelial cells." San Francisco, CA.
 117. Department of Biochemistry and Molecular Biology, Mayo Clinic, July 1992. "Prolactin regulation of epidermal growth factor-stimulated cell signaling events in mouse mammary epithelial cells." Rochester, MN.
 118. Lombardi Cancer Center, Georgetown University, August 1992. "Prolactin regulation of epidermal growth factor-stimulated cell signaling events in mouse mammary epithelial cells." Washington, D.C.
 119. Reproductive Endocrinology Program, M.D. Anderson Cancer Center, September, 1992. "Prolactin regulation of epidermal growth factor-stimulated cell signaling events in mouse mammary epithelial cells." Houston, TX.
 120. Cancer Biology Unit, University of Michigan, September 1992. "Prolactin regulation of epidermal growth factor-stimulated cell signaling events in mouse mammary epithelial cells." Ann Arbor, MI.
 121. Canadian Association of Animal Breeders Workshop on Artificial Insemination, November 1989. "A sensitive, repeatable assay for measuring DNA in bull sperm." Calgary, Alberta and Guelph, Ontario.

INVITED COMMENTARY & INTERVIEWS

1. Research Highlight: "What Men Can Teach Us About Breast Cancer" by Florence Williams. © 2017 Audible, Amazon. https://www.audible.com/socialshare?id=019cb9a6-1c3a-44ad-88db-7799c2979a3d&source_code=CHLGBWS0603160001
2. Research Highlight: "Suzanne Fenton discusses the effects of early life chemical exposure" by Mary Yates. Daily Collegian-University of Massachusetts. November 30, 2016. <http://dailycollegian.com/2016/11/30/suzanne-fenton-discusses-the-effects-of-early-life-chemical-exposure/>
3. Expertise Interview. "Determining safe PFOA level an uncertain science" by Kyle Bagenstose and Jenny Wagner. The Intelligencer. November 7, 2016. http://www.theintell.com/news/horsham-pfos/determining-safe-pfoa-level-an-uncertain-science/article_89589d4c-9f89-11e6-a125-bfc90f2b032a.html
4. Research Highlight. "Institutes in the Lead: Identifying Environmental Factors in Breast Cancer" by Nate Seltenrich. Environ Health Perspect; 124(11): a199. Published online 2016 November 1. <https://ehp.niehs.nih.gov/124-a199/>
5. Outstanding Service. "EHP Highlights of the Past Year" by Sally Perreault Darney. Environ Health Perspect; 124(8). Published online 2016 August 1. <https://ehp.niehs.nih.gov/ehp777/>
6. Expertise Interview. "Gillibrand seeks ongoing health monitoring in PFOA-affected areas" by Michael Goot. The Post Star. July 8, 2016. http://poststar.com/news/local/gillibrand-seeks-ongoing-health-monitoring-in-pfoa-affected-areas/article_903bb670-0acf-5715-bf5d-0a7c8805c92d.html
7. Expertise Interview. "N.Y. Sen. Gillibrand meets with local residents on PFOA

- contamination” by Edward Damon. The Berkshire Eagle. July 8, 2016.
<http://www.berkshireeagle.com/stories/ny-sen-gillibrand-meets-with-local-residents-on-pfoa-contamination,113642>
8. Expertise Interview. “Senator hears PFOA fears” by Nicholas Bogel-Borroughs. Times Union. July 9, 2016. <http://www.timesunion.com/tuplus-local/article/Senator-hears-PFOA-fears-8349229.php>
 9. Research Highlight. “Society Unveils Summary of Second Scientific Statement on Endocrine-Disrupting Chemicals” by the Endocrine Society. Sept 28 - October 2, 2015. <http://www.endocrine.org/membership/email-newsletters/endocrine-insider/2015/october-2-2015> Story also run by EurekAlert; BioSpace; Newswise; DeviceSpace; Nutrition Horizon.
 10. Research Highlight. “Identifying Potential Breast Carcinogens: A New Approach” by Wendee Nicole. Environ Health Perspect; 123(12): a 305. Published online 2015 December 1. <https://ehp.niehs.nih.gov/123-a305/>
 11. Expertise Interview. “Women’s Exposure to Chemicals May Explain Unexpected Breast Cancer” by Lindsey Konkell. Scientific American. February 25, 2013. <https://www.scientificamerican.com/article/womens-exposure-to-chemicals-may-explain-unexpected-breast-cancer/> Also covered in Environmental Health News, AlterNet Online, East Bay Express Online, YubaNet; Mother Nature Network, NUVO Online.
 12. Expertise Interview. “Frogs feminized, but atrazine’s effects on people uncertain” by Brian Bienkowski and Marla Cone. Environmental Health News. June 17, 2013. <http://www.environmentalhealthnews.org/ehs/news/2013/atrazine-health> Also covered by YubaNet and NaturalNews.com.
 13. Expertise Interview. “How to protect your baby & kids from toxins” by Sarah Blight. © 2013 Your Baby Booty. <http://yourbabybooty.com/interviews/how-to-protect-your-baby-kids-from-toxins-with-suzanne-fenton/>
 14. Research Highlight. Sept 2012. “Fenton examines effects of exposure to endocrine disrupting chemicals” by Sonika Patial. Environmental Factor, NIEHS Publication. <http://www.niehs.nih.gov/news/newsletter/2012/9/science-fenton/index.htm>
 15. Research Interview: “Obesogens: An Environmental Link to Obesity” by Wendee Holtcamp. Environ Health Perspect; 120(2): a62–a68. Published online 2012 February 1. doi: [10.1289/ehp.120-a62](https://doi.org/10.1289/ehp.120-a62)
 16. Expertise Interview. “Getting It Right: BPA and the Difficulty Proving Environmental Cancer Risks” by Mike Fillon. Journal of the National Cancer Institute; 104(9): 652-4. May 2, 2012. <http://jnci.oxfordjournals.org/content/104/9/652.full.pdf+html>
 17. Research Interview. “Perinatal environmental exposures affect mammary development, function, and cancer risk in adulthood” by Anna Rascouët-Paz. Annual Reviews interview – June 2012. <http://soundcloud.com/annualreviews/an-interview-with-suzanne>
 18. Expertise Interview: “In Oregon, Residents Struggle to Solve a Pesticide Mystery” by Ingrid Lobet. The Atlantic. August 2012. <http://www.theatlantic.com/national/archive/2012/08/in-oregon-residents-struggle-to-solve-a-pesticide-mystery/261083/> Also covered on Northwest Public Radio.
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