

Curriculum Vitae

Laura N. Vandenberg

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EDUCATION

Cornell University, Ithaca NY

BS, Biology, Concentration in Genetics & Developmental Biology, 2003
Undergraduate research mentor: Dr. Mariana Wolfner
Thesis title: "Two cleavage products of Acp26Aa can independently induce ovulation"

Tufts University School of Medicine, Sackler School of Graduate Biomedical Sciences, Boston MA

PhD, Cell, Molecular & Developmental Biology, 2007
Mentor: Dr. Ana Soto
Dissertation title: "Developmental Origins of Adult Disease: Xenoestrogens and Breast Cancer Risk"

PROFESSIONAL EXPERIENCE

The Forsyth Institute Center for Regenerative & Developmental Biology, Boston MA

Postdoctoral Fellow, 2007 – 2008
Mentor: Dr. Michael Levin

Harvard University School of Dental Medicine, Boston MA

Research Associate in Developmental Biology, 2008

Tufts University, Department of Biology and Center for Regenerative & Developmental Biology, Medford MA

Postdoctoral Fellow, 2008 – 2013
Mentor: Dr. Michael Levin

University of Massachusetts, Amherst, School of Public Health & Health Sciences Department of Environmental Health Science, Amherst MA

Assistant Professor, 2013 – present

University of Massachusetts, Amherst Graduate Program in Neuroscience & Behavior

Associate Member, 2014 – present

University of Massachusetts, Amherst, School of Public Health & Health Sciences Department of Environmental Health Science, Amherst MA

Graduate Program Director, 2015 – present

AWARDS & HONORS

- 2017 Named a "*Pioneer Under 40 in Environmental Public Health*" by the Collaborative on Health & the Environment [one of 20 junior scientists selected by senior leaders in environmental health sciences]
- 2017 Recipient, Massachusetts Clean Water Action Leadership in Science Award
- 2017 Nominee, SPHHS Outstanding Teaching Award, UMass Amherst
- 2016 Recipient, Jean & Leslie Douglas Pearl Award, Cornell Douglas Foundation
- 2016-2017 Nominee, Distinguished Teaching Award, UMass Amherst
- 2016 Shoolman Visiting Professor, Massachusetts General Hospital
- 2015-2018 Recipient, NIEHS K22 Award
- 2015-2016 Family Research Scholar, UMass Center for Research on Families
- 2014-2015 Nominee, Distinguished Teaching Award, UMass Amherst
- 2013-2014 Recipient, UMass Flex Funding Award
- 2010 Recipient, Science Communication Fellowship, Environmental Health News
- 2009-2011 Recipient, NIH NRSA Postdoctoral Fellowship (F32)
- 2007 Recipient, Endocrine Society Travel Award
- 2006 Recipient, Tufts University Sackler School Travel Award
- 2006 Recipient, Outstanding Trainee Award, Gordon Conference, Environmental Endocrine Disruptors
- 2005-2006 Recipient, Sackler School Dean's Fellowship in Cancer Research, Tufts University School of Medicine
- 2003 Cornell University, graduation *Magna Cum Laude* and *Distinction in Research (Undergraduate research honors in the College of Agriculture and Life Sciences)*
- 2002-2003 Howard Hughes Research Scholar, Cornell University
A highly competitive undergraduate summer research program designed to foster interest and aptitude in research in the biological sciences.

INVITED SEMINARS

Vandenberg LN. What is safe? Coolidge Corner Theater Scholar and Film Program. *Brookline, MA, December 2017.*

Vandenberg LN. Xenoestrogens and the mother: new lessons from a BPA-replacement chemical. Collaborative on Health and the Environment, *Webinar, 20 Environmental Health Leaders Under 40. October 2017.*

Vandenberg LN. Endocrine disruptors for endocrinologists (and beyond). Beth Israel Deaconess Medical Center Endocrine Grand Rounds. *Boston, MA, October 2017.*

Vandenberg LN. Lasting impact of environmental chemicals across generations: the mother as a sensitive target. World Federation of Scientists 50th Annual Meeting on Planetary Emergencies. *Erice, Sicily, Italy, August 2017.*

Vandenberg LN. Mammary gland density: perspectives from the rodent. BCERP Annual Grantees Meeting. *Philadelphia, PA, July 2017.*

Vandenberg LN. Expanding vulnerable periods and sensitive endpoints: endocrine disruptors and the mother. SweTox Seminar. *Stockholm, Sweden, June 2017.*

Vandenberg LN. Culling, contamination, and other considerations for the evaluation of EDCs. Workshop of the European Commission: Setting Priorities for Further Development and Validation of Test Methods and Testing Approaches for Evaluating Endocrine Disruptors. *Brussels, Belgium, June 2017.*

Vandenberg LN. Non-monotonic dose responses: the role of study design and influence of study quality. International workshop on Risk Assessment of Endocrine Disruptors: Derivation of Reference Doses for Humans. *Copenhagen, Denmark, May 2017.*

Vandenberg LN. Clarity in the face of confusion: EDCs, fracking and the mammary gland. ENDO 2017. *Orlando, FL, April 2017.*

Vandenberg LN. The organizational role of hormones: a new view of estrogen and the mother. University of Missouri, Department of Biology, Seminar series. *Columbia, MO, February 2017.*

Vandenberg LN. SYRINA: a method for evaluating evidence on EDCs. Navigation Guide Work Group Meeting Webinar. *September 2016.*

Vandenberg LN. BPA replacement chemicals force a re-thinking of critical periods. Society for the Study of Reproduction Annual Meeting. *San Diego, July 2016.*

Vandenberg LN. Endocrine disruption: past, present & future. North Atlantic Chapter of the Society of Environmental Toxicology and Chemistry (SETAC) Annual Meeting. *Amherst, MA, June 2016.*

Vandenberg LN. Becoming Rachel's Granddaughter: Studying environmental chemicals after Silent Spring. MindScope Annual Event, Simmons College. *Boston, MA, April 2016.*

Vandenberg LN. Endocrine disruptors for endocrinologists (and beyond). Massachusetts General Hospital Endocrine Grand Rounds. *Boston, MA, February 2016.*

Vandenberg LN. But we're all exposed... why should we worry about environmental chemicals? Northeastern University Reproductive Health and the Environment Symposium (Keynote). *Boston, MA, December 2015.*

Vandenberg LN. BPS as a replacement for BPA: what consequences should we anticipate? 1st annual EDC-Africa Meeting. *Kruger National Park, South Africa, November 2015.*

Vandenberg LN. Low dose effects and non-monotonic dose responses. 1st annual EDC-Africa Meeting, Student & Trainee Mini-symposium. *Kruger National Park, South Africa, November 2015.*

Vandenberg LN. Low doses of environmental contaminants and non-monotonic dose response curves, with special reference to current risk assessment practices. 2nd International Workshop on Obesity and Environmental Contaminants. *Uppsala, Sweden, October 2015.*

Vandenberg LN. Plastic bodies in a plastic world: what environmental contaminants tell us about development. University of Stockholm, Department of Environmental Science and Analytical Chemistry. *Stockholm, Sweden, October 2015.*

Vandenberg LN. Endocrine disruptors and low dose effects: should we be concerned about “the chemical stew”? ShiftCon Eco Conference. *Manhattan Beach, CA, September 2015.*

Vandenberg LN. Toxicology of “low doses”: Understanding endocrine disrupting chemicals. 250th Annual Meeting of the American Chemical Society. *Boston, MA, August 2015.*

Vandenberg LN. Endocrine sensitive endpoints and low dose effects. Strengthening the Scientific Basis for Chemical Safety Assessments: A joint meeting of NIEHS and EPA. *Research Triangle Park, NC, July 2015.*

Vandenberg LN. BPA and related chemicals: why worry? Toxic Use Reduction Institute Greener Materials Research Symposium. *Lowell, MA, May 2015.*

Vandenberg LN. From plastics to pesticides: protecting patients from environmental chemical exposures. Partners in Perinatal Health Annual Conference, *Norwood, MA, May 2015.*

Vandenberg LN. Plastic bodies in a plastic world. Development, Evolution & Cancer Symposium, Tufts University School of Medicine, *Boston, MA, February 2015.*

Vandenberg LN. Low dose exposures and bisphenol S. Health and Environmental Funders Network (HEFN) and Rachel's Network Webinar. *January 2015.*

Vandenberg LN. Low dose effects and non-monotonic dose response for hormones and EDCs. Mexican Endocrine Society Annual Meeting, *Merida, Mexico, December 2014.*

Vandenberg LN. Non-monotonicity: under which circumstances? Duke University Integrated Toxicology and Environmental Health (ITEHP) Symposium, *Durham, NC, October 2014.*

Vandenberg LN. Low doses, environmental chemicals, and breast cancer risk. Breast Cancer and the Environment Research Program. *Webinar, COTC/CP, October 2014.*

Vandenberg LN. From hormones to endocrine disruptors: lessons learned (and not learned). Biology Department Seminar Series, Middlebury College, *Middlebury, VT, October 2014.*

Vandenberg LN. Lose the jargon but don't dumb it down: lessons from an Environmental Health science communication fellowship. 18th Annual Green Chemistry & Engineering Conference, *Washington, DC, June 2014.*

Vandenberg LN. *Presented a series of five talks at:* Chemicals, Health & Green Chemistry, a workshop of the Israel Environment and Health Fund. *Tel Aviv, Israel, June 2014.*

1. What is endocrine disruption and why should scientists care?
2. Endocrine disrupting chemicals: is there sufficient evidence for low dose effects?
3. Non-monotonic dose responses, a ‘new’ challenge to chemical safety assessments
4. EDCs and human health
5. Where is endocrine disruption science going?

Vandenberg LN. A new approach: using the principles of endocrinology to study endocrine disrupting chemicals. Workshop on Future directions for application of transparent, consistent and

systematic framework for risk assessment of endocrine disrupting chemicals. *London, UK, June 2014.*

Vandenberg LN. Endocrine disruptors: science & policy. University of Massachusetts – Lowell, Department of Work Environment Seminar Series. *Lowell, MA, November 2013.*

Vandenberg LN. What is endocrine disruption and why should we care? The American Society for Reproductive Medicine Annual Meeting, *Boston, MA, October 2013.*

Vandenberg LN. BPA as a model endocrine disruptor: lessons learned in the past six years. Woods Hole Oceanographic Institute Toxicology RoundTable, *Woods Hole, MA, July 2013.*

Vandenberg LN. What is endocrine disruption, and why should chemists care? 17th Annual Green Chemistry & Engineering Conference, *Washington, DC, June 2013.*

Vandenberg LN. Specificity of BPA measurement in serum: results from a laboratory round robin. Copenhagen Endocrine Disruptor Meeting (COW 2013). *Copenhagen, Denmark, May 2013.*

Vandenberg LN. Non-monotonic dose responses in studies of endocrine disrupting chemicals: bisphenol A as a case study. Dose Response Meeting. *Amherst, MA, April 2013.*

Vandenberg LN. Applying the principles of endocrinology to the study and testing of endocrine disrupting chemicals. CropLife America & RISE Spring Conference. *Washington, DC, April 2013.*

Vandenberg LN. Low dose effects and non-monotonic dose response curves. Environmental Health: Science and Policy to Protect Future Generations. *Boston, MA, March 2013.*

Vandenberg LN. When the dose doesn't make the poison: updates to our understanding of endocrine disrupting chemicals. Mount Sinai School of Medicine, Medical Grand Rounds. *New York, NY, February 2013.*

Vandenberg LN. An integrated overview of low dose studies of BPA: 2007-2013. National Institute of Environmental Health Sciences BPA Grantees Meeting, *Raleigh-Durham, NC, January 2013.*

Vandenberg LN. BPA Round Robin: results. National Institute of Environmental Health Sciences BPA Grantees Meeting, *Raleigh-Durham, NC, January 2013.*

Vandenberg LN. Endocrine disrupting chemicals: is there sufficient evidence for low dose effects and non-monotonic dose responses? US EPA, National Research Program, Chemical Safety for Sustainability. *Washington, DC, November 2012.*

Vandenberg LN. State of the science: Non-monotonic dose responses in cells, animals and humans. NIEHS/European Commission Joint Meeting on Low dose effects and Non-monotonic dose responses for endocrine active chemicals: science to practice. *Berlin, Germany, September 2012.*

Vandenberg LN. Applying principles of endocrinology to understand low dose effects of endocrine disrupting chemicals (EDCs). 3rd International Fresenius Conference: Endocrine Disruptors. *Mainz, Germany, September 2012.*

Vandenberg LN. A new paradigm: determinations of EDC chemical safety should not be based on dose. Seminar series, MA Toxics Use Reduction Institute, *Boston, MA, June 2012.*

Vandenberg LN. Relationships between exposures to endocrine disrupting chemicals and adverse human health effects. 16th Annual Green Chemistry & Engineering Conference, *Washington, DC, June 2012.*

Vandenberg LN. Hormones and endocrine disrupting chemicals: low dose effects and non-monotonic dose responses. European Food Safety Authority Scientific Colloquium on low dose response in toxicology and risk assessment, *Parma, Italy, June 2012.*

Vandenberg LN. Endocrine disrupting chemicals: when the dose doesn't make the poison. Horizons@Heinz, A Seminar Series for the John Heinz Center for Science, Economics and the Environment, *Washington, DC, May 2012.*

Vandenberg LN. When the dose doesn't make the poison: low dose effects & endocrine disrupting chemicals. University of Nebraska Medical Center, College of Public Health Grand Rounds, *Omaha, NE, May 2012.*

Vandenberg LN. Non-monotonicity in endocrine disrupting chemical studies: examples and mechanisms. Pew Health Group meeting on Non-Monotonic Doses, *Washington, DC, April 2012.*

Vandenberg LN. Demonstrating low dose effects using a weight of the evidence approach: examples and mechanisms. Pew Health Group meeting on Non-Monotonic Doses, *Washington, DC, April 2012.*

Vandenberg LN. BPA biomonitoring and round-robin approaches to validation of assays. National Institute of Environmental Health Sciences BPA Grantees Meeting, *Raleigh-Durham, NC, January 2012.*

Vandenberg LN. Low doses and non-monotonicity in the recent BPA literature: trends & new directions. National Institute of Environmental Health Sciences BPA Grantees Meeting, *Raleigh-Durham, NC, January 2012.*

Vandenberg LN. BPA: how much is in humans, and should we be worried? 15th Annual Green Chemistry & Engineering Conference, *Washington, DC, June 2011.*

Vandenberg LN. BPA is a model endocrine disruptor. e.hormone conference, *New Orleans LA, October 2010.*

Vandenberg LN. Overview of human biomonitoring studies. National Institute of Environmental Health Sciences BPA Grantees Meeting, *Research Triangle Park, September 2010. (Speaker & Discussion Leader)*

Vandenberg LN. The case of human exposure to bisphenol-A. Gordon Research Conference - Environmental Endocrine Disruptors, *Les Diablerets, Switzerland, June 2010.*

Vandenberg LN. Low doses have large effects: the case of bisphenol A. 14th Annual Green Chemistry & Engineering Conference, *Washington, DC, June 2010.*

Vandenberg LN. BPA and the fragile fetus: fetal origins of adult disease. Partners in Perinatal Health Annual Seminar, *Norwood, MA, May 2010.*

Vandenberg LN, Maffini MV. Bisphenol A: Information for Public Health Agencies. Massachusetts Department of Public Health, *Boston, MA, February 2009.*

Vandenberg LN. Does breast cancer start in the womb? The case of bisphenol A. Partners in Perinatal Health Annual Seminar, *Marlboro, MA, May 2009.*

Vandenberg LN. Xenoestrogens and the breast cancer link: The tale of Bisphenol-A. Pardon Our Appearance: Massachusetts Breast Cancer Coalition Educational Workshop, *Arlington, MA, April 2007.*

Vandenberg LN, Atkinson JC, Calafat AM, Eichmiller F, Kingman A, Marcus M, Olea N, Thayer KA, Hauser R, and Welshons WV. Bisphenol-A: Human exposure panel report. NIEHS BPA Workshop, *Research Triangle Park, NC, November 2006.*

PUBLICATIONS (PEER-REVIEWED JOURNALS)

* indicates **graduate** student coauthors, ** indicates **undergraduate** student coauthors

NOTE: In my scientific discipline, it is typical for the first author to be the person that conducted the majority of the work and the main writer of the manuscript. The last author is often the study director and the corresponding author.

73. Sapouckey SA**, Kassotis CD*, Nagel SC, **Vandenberg LN.** Prenatal exposure to unconventional oil and gas operation chemical mixtures altered mammary gland development in adult female mice. *In press, Endocrinology.*

72. Maffini MV, **Vandenberg LN.** 2017. Closing the gap: improving additives safety evaluation to reflect human health concerns. *Environmental Risk Assessment and Remediation.* 1(3): 26-33.

71. Catanese MC*, **Vandenberg LN.** Developmental estrogen exposures and disruptions to maternal behavior and brain: effects of ethinyl estradiol, a common positive control. *In press, Hormones and Behavior.* doi: 10.1016/j.yhbeh.2017.10.013.

70. LaPlante CD**, **Vandenberg LN.** 2017. Low doses of 17 α -ethinyl estradiol do not alter mammary gland morphology in female mice exposed during pregnancy and lactation. *Data In Brief.* 14: 337-343.

69. LaPlante CD**, Catanese MC*, Bansal R, **Vandenberg LN.** 2017. Bisphenol S alters the lactating mammary gland and nursing behaviors in mice exposed during pregnancy and lactation. *Endocrinology.* 158(10): 3448-61.

68. Catanese MC*, **Vandenberg LN.** 2017. Low doses of 17 α -ethinyl estradiol alter the maternal brain and induce stereotypies in CD-1 mice exposed during pregnancy and lactation. *Reproductive Toxicology.* 73: 20-29.

67. Bornman R, Aneck-Hahn N, de Jager T, Wagenaar I, Bouwman H, Barnhoorn I, Patrick S, **Vandenberg LN,** Kortenkamp A, Blumberg B, Kimmins S, Jegou B, Auger J, DeGangi J, Heindel JJ. 2017. Endocrine disruptors and health effects in South Africa: a call to action. *Environmental Health Perspectives.* 125 (8): 085005.

66. Bernier MR**, **Vandenberg LN.** 2017. Handling of thermal paper: implications for dermal exposure to bisphenol A and its alternatives. *PLOS ONE.* 12(6): e0178449.

65. Hill CE*, Sapouckey SA**, Suvorov A, **Vandenberg LN.** 2017. Developmental exposures to bisphenol S, a BPA replacement, alter estrogen-responsiveness of the female reproductive tract: a pilot study. *Cogent Medicine.* 4:1317690.

64. Kolla S**, Pokharel A**, **Vandenberg LN.** 2017. The mouse mammary gland as a sentinel organ: distinguishing 'control' populations with diverse environmental histories. *Environmental Health.* 16(1):25.

63. **Vandenberg LN**, Blumberg B, Antoniou M, Benbrook CM, Carroll L, Colborn T, Everett LG, Hansen M, Landrigan PJ, Lanphear BP, Mesnage R, vom Saal FS, Welshons WV, Myers JP. 2017. Is it time to reassess safety standards for glyphosate-based herbicides? *Journal of Epidemiology and Community Health*. 71(6): 613-618.
62. Catanese MC*, **Vandenberg LN**. 2017. Bisphenol S (BPS) alters maternal behavior and brain in mice exposed during pregnancy and lactation and their daughters. *Endocrinology*. 158(3): 516-530.
61. Heindel JJ, Blumberg B, Cave M, Machtinger R, Mantovani A, Mendez MA, Nadal A, Palanza P, Panzica G, Sargis R, **Vandenberg LN**, vom Saal FS. 2017. Metabolism disrupting chemicals and metabolic disorders. *Reproductive Toxicology*. 68: 3-33.
60. **Vandenberg LN**. 2016. Reform of the Toxic Substances Control Act (TSCA): An Endocrine Society policy perspective. *Endocrinology*. 157(12): 4514-15.
59. Trasande L, **Vandenberg LN**, Bourguignon JP, Myers JP, Slama R, vom Saal F, Zoeller RT. 2016. The best peer-reviewed and unbiased research, rather than 'sound science', should be used to evaluate endocrine disrupting chemicals. *Journal of Epidemiology and Community Health*. 70(11): 1051-1056.
58. **Vandenberg LN**, Ågerstrand M, Beronius A, Beausoliel C, Bergman Å, Bero LA, Bornehag CG, Boyer CS, Cooper GS, Cotgreave I, Gee D, Grandjean P, Guyton KZ, Hass U, Heindel JJ, Jobling S, Kidd KA, Kortenkamp A, Macleod MR, Martin OV, Norinder U, Scheringer M, Thayer KA, Toppari J, Whaley P, Woodruff TJ, Rudén C. 2016. A proposed framework for the systematic review and assessment (SYRINA) of endocrine disrupting chemicals. *Environmental Health*. 15(1): 74.
57. Suvorov A, **Vandenberg LN**. 2016. To cull or not to cull? Considerations for studies of endocrine disrupting chemicals. *Endocrinology*. 157(7): 2586-94.
56. Lind L, Lind PM, Lejonklou MH, Dunder L*, Bergman A, Guerrero-Bosagna C, Lampa E, Lee HK, Legler J, Nadal A, Pak YK, Phipps R, **Vandenberg LN**, Zalko D, Ågerstrand M, Öberg M, Blumberg B, Heindel JJ, Birnbaum LS. 2016. Uppsala consensus statement on environmental contaminants and the global obesity epidemic. *Environmental Health Perspectives*. 124(5): A81-83.
55. Beronius A, **Vandenberg LN**. 2015. Using systematic reviews for hazard and risk assessment of endocrine disrupting chemicals. *Reviews in Endocrine and Metabolic Disorders*. 16(4): 273-87.
54. Myers JP, Antoniou M, Blumberg B, Carroll L, Colborn T, Everett LG, Hansen M, Landrigan PJ, Lanphear BP, Mesnage R, **Vandenberg LN**, vom Saal FS, Welshons WV, Benbrook CM. 2015. Concerns over use of glyphosate-based herbicides and hazards associated with exposures: a consensus statement. *Environmental Health*. 15:19.
53. Kim B**, Colon E**, Chawla S**, **Vandenberg LN**, Suvorov A. 2015. Endocrine disruptors alter social behaviors and indirectly influence social hierarchies via changes in body weight. *Environmental Health*. 14:64.
52. Bergman A, Becher G, Blumberg B, Bjerregaard P, Bornman R, Brandt I, Brian JV, Casey SC, Frouin H, Giudice LC, Heindel JJ, Iguchi T, Jobling S, Kidd KA, Kortenkamp A, Lind M, Muir D, Ochieng R, Ropstad E, Ross PS, Skakkebaek NE, Toppari J, **Vandenberg LN**, Woodruff TJ, Zoeller RT. 2015. Manufacturing doubt about endocrine disrupter science - A rebuttal of industry-sponsored critical comments on the UNEP/WHO report "State of the Science of Endocrine Disrupting Chemicals 2012." *Regulatory Toxicology and Pharmacology*. 73(3): 1007-17.

51. Zoeller RT, **Vandenberg LN**. 2015. Assessing dose response relationships for endocrine disrupting chemicals (EDCs): a focus on non-monotonicity. *Environmental Health*. 14(1):42.
50. **Vandenberg LN**, Luthi D**, Quinerly D**. 2017. Plastic bodies in a plastic world: Multi-disciplinary approaches to study endocrine disrupting chemicals. *Journal of Cleaner Production*. 140: 373.
49. Heindel JJ, **Vandenberg LN**. 2015. Developmental origins of health and disease: A paradigm for understanding disease etiology and prevention. *Current Opinion in Pediatrics*. 27(2): 248-53.
48. Zoeller RT, Bergman A, Becher G, Bjerregaard P, Bornman R, Brandt I, Iguchi T, Jobling S, Kidd KA, Kortenkamp A, Skakkebaek NE, Toppari J, **Vandenberg LN**. 2014. A path forward in the debate over health impacts of endocrine disrupting chemicals. *Environmental Health*. 13(1): 118.
47. Catanese MC*, Suvorov A, **Vandenberg LN**. 2015. Beyond a means of exposure: a new view of the mother in toxicology research. *Toxicology Research*. 4: 592-612.
46. **Vandenberg LN**, Bowler AG**. 2014. Non-monotonic dose responses in EDSP Tier 1 guideline studies. *Endocrine Disruptors*. 2(1): e964530.
45. **Vandenberg LN**, Blackiston DJ, Rea AC, Dore TM, Levin M. 2014. Gap junctional communication and serotonin, but not ion transporters, are necessary for left-right patterning in late induced organizers. *The International Journal of Developmental Biology*. 58(10-12): 799-809.
44. **Vandenberg LN**, Welshons WV, vom Saal FS, Toutain PL, Myers JP. 2014. Should oral gavage be abandoned in toxicity testing of endocrine disruptors? *Environmental Health*. 13(1): 46.
43. **Vandenberg LN**, Catanese MC*. 2014. Casting a wide net for endocrine disruptors. *Chemistry & Biology*. 21(6): 705-6.
42. **Vandenberg LN**. 2014. Low-dose effects of hormones and endocrine disruptors. *Vitamins and Hormones* 94: 129-65.
41. Lee DH, Porta M, Jacobs DR, **Vandenberg LN**. 2014. Persistent organic pollutants and type 2 diabetes: evidence about non-linear dose response relations and other methodological challenges in human studies. *Endocrine Reviews* 35:557-601.
40. **Vandenberg LN**, Gerona RR, Kannan K, Taylor JA, van Breemen RB, Dickenson CA, Liao C, Yuan Y, Newbold RR, Padmanabhan V, vom Saal FS, Woodruff TJ. 2014. A round robin approach to the analysis of bisphenol A (BPA) in human blood samples. *Environmental Health* 13(1): 25.
39. **Vandenberg LN**, Lemire JM, Levin M. 2014. It's never too early to get it right: a conserved role for the cytoskeleton in left-right asymmetry. *Communicative & Integrative Biology*. 6(6): e27155.
38. Rea AC, **Vandenberg LN**, Ball R, Johnston L, Zhu Y, Lauderdale JD, Levin M, Dore TM. 2013. Light activated serotonin for exploring its action in biological systems. *Chemistry & Biology*. 20: 1536-46.
37. **Vandenberg LN**, Ehrlich S, Belcher SM, Ben-Jonathan N, Dolinoy DC, Hugo ER, Hunt PA, Newbold RR, Rubin BS, Saili KS, Soto AM, Wang HS, vom Saal FS. 2013. Low dose effects of

bisphenol A: an integrated review of in vitro, laboratory animal and human studies. *Endocrine Disruptors*. 1(1): e1.1-e1.20.

36. **Vandenberg LN**. 2013. Non-monotonic dose responses in studies of endocrine disrupting chemicals: bisphenol A as a case study. *Dose Response*. 12(2): 259-76.

35. Bergman A, Andersson AM, Gecher G, van den Berg M, Blumberg B, Bjerregaard P, Bornehag CG, Bornman R, Brandt I, Brian JV, Casey SC, Fowler PA, Frouin H, Giudice LC, Iguichi T, Hass U, Jobling S, Juul A, Kidd KA, Kortenhamp A, Lind M, Martin OV, Muir D, Ochieng R, Olea N, Norrgren L, Ropstad E, Ross PS, Ruden C, Scheringer M, Skakkebaek NE, Soder O, Sonnenschein C, Soto A, Swan S, Toppari J, Tyler Cr, **Vandenberg LN**, Vinggaard AM, Wiberg K, Zoeller RT. 2013. Science and policy on endocrine disruptors must not be mixed: a reply to a "common sense" intervention by toxicology journal editors. *Environmental Health*. 12(1): 69.

34. **Vandenberg LN**, Levin M. 2013. A unified model for left-right asymmetry? Comparison and synthesis of molecular models of embryonic laterality. *Developmental Biology*. 379(1): 1-15.

33. **Vandenberg LN**, Hunt PA, Myers JP, vom Saal FS. 2013. Human exposures to bisphenol A: mismatches between data and assumptions. *Reviews on Environmental Health*. 28(1): 37-58.

32. **Vandenberg LN**, Colborn T, Hayes T, Heindel JJ, Jacobs D, Lee DH, Myers JP, Shioda T, Soto AM, vom Saal FS, Welshons WV, Zoeller RT. 2013. Regulatory decisions on endocrine disrupting chemicals should be based on the principles of endocrinology. *Reproductive Toxicology*. 38: 1-15.

31. **Vandenberg LN**, Schaeberle CM, Rubin BS, Sonnenschein C, Soto AM. 2013. The male mammary gland: a target for the xenoestrogen bisphenol A. *Reproductive Toxicology*. 37: 15-23.

30. **Vandenberg LN***, Morrie RD*, Seebom G, Lemire JM, Levin M. 2013. Rab GTPases are required for early orientation of the left-right axis in *Xenopus*. *Mechanisms of Development*. 130: 254-271. *authors contributed equally

29. Schug, TT, Abagyan R, Blumberg B, Collins TJ, Crews D, DeFur PL, Dickerson SM, Edwards TM, Gore AC, Guillette LJ, Hayes T, Heindel JJ, Moores AR, Patisaul HB, Tal TL, Thayer KA, **Vandenberg LN**, Warner J, Watson CS, vom Saal FS, Zoeller RT, O'Brien KP, Myers JP. 2013. Designing endocrine disruption out of the next generation of chemicals. *The Green Chemistry Journal*. 15(1): 181-98.

28. **Vandenberg LN**, Lemire JM, Levin M. 2013. Serotonin has early, cilia-independent roles in *Xenopus* left-right patterning. *Disease Models and Mechanisms*. 6(1): 261-8.

27. Pai VP, **Vandenberg LN**, Blackiston DJ, Levin M. 2012. Neural derived tissues in *Xenopus laevis* embryos exhibit a consistent physiological left-right asymmetry. *Stem Cells International*. 2012: 353491.

26. **Vandenberg LN**, Stevenson C, Levin M. 2012. Low frequency vibrations induce malformations in two aquatic species in a frequency-, waveform-, and direction-specific manner. *PLoS ONE*. 7(12): e51473.

25. **Vandenberg LN**, Colborn T, Hayes T, Heindel JJ, Jacobs D, Lee DH, Shioda T, Soto AM, vom Saal FS, Welshons WV, Zoeller RT, Myers JP. 2012. Hormones and endocrine disrupting chemicals: low dose effects and non-monotonic dose responses. *Endocrine Reviews*. 33(3): 378-455.

24. **Vandenberg LN**, Adams DS, Levin M. 2012. Normalized shape and location of perturbed craniofacial structures in the *Xenopus* tadpole reveal an innate ability to achieve correct morphology. *Developmental Dynamics*. 241(5): 863-78.
23. **Vandenberg LN**, Levin M. 2012. Planar cell polarity and apical-basal polarity are required for early orientation of the left-right axis and twin-twin instruction in *Xenopus*. *genesis, The Journal of Genetics & Development*. 50(3): 219-34.
22. **Vandenberg LN**. 2012. Laterality defects are influenced by timing of treatments and animal model. *Differentiation* 83(1): 26-37.
21. **Vandenberg LN**. 2011. Exposure to bisphenol A in Canada: invoking the precautionary principle. *Canadian Medical Association Journal (Epub Feb 22)*. doi: cmaj.101408v1-cmaj.101408.
20. **Vandenberg LN**, Pennarola B, Levin M. 2011. Low frequency vibrations alter patterning of the left-right axis in developing *Xenopus* embryos. *PLoS ONE* 6(8): e23306.
19. **Vandenberg LN**, Morrie RD, Adams DS. 2011. V-ATPase-dependent ectodermal voltage and pH regionalization are required for craniofacial morphogenesis. *Developmental Dynamics* 240: 1889-904.
18. **Vandenberg LN**, Chahoud I, Padmanabhan V, Paumgarten FJR, Schoenfelder G. 2010. Biomonitoring studies should be used by regulatory agencies to assess human exposure levels and safety of bisphenol A. *Environmental Health Perspectives* 118: 1051-4.
17. **Vandenberg LN**, Chahoud I, Heindel JJ, Padmanabhan V, Paumgarten F, Schoenfelder G. 2010. Urinary, circulating, and tissue biomonitoring studies indicate widespread exposure to bisphenol A. *Environmental Health Perspectives* 118: 1055-70.
16. **Vandenberg LN**, Levin M. 2010. Far from solved: a perspective on what we know about early mechanisms of left-right asymmetry. *Developmental Dynamics* 239: 3131-46.
15. Blackiston DJ, **Vandenberg LN**, Levin M. 2010. High throughput *Xenopus laevis* immunohistochemistry using agarose sections. *Cold Spring Harbor Protocols* 2010(12): pdb.prot5532.
14. **Vandenberg LN**, Levin M. 2010. Consistent left-right asymmetry cannot be established by late organizers in *Xenopus* unless the late organizer is a conjoined twin. *Development* 137: 1095-1105.
13. vom Saal FS, Akingbemi BT, Belcher SM, Crain DA, Crews D, Guidice LC, Hunt PA, Leranthe C, Myers JP, Nadal A, Olea N, Padmanabhan V, Rosenfeld CS, Schneyer A, Schoenfelder G, Sonnenschein S, Soto AM, Stahlhut RW, Swan SH, **Vandenberg LN**, Wang HS, Watson CS, Welshons WV, Zoeller RT. 2010. Flawed experimental design reveals the need for guidelines requiring appropriate positive controls in endocrine disruption research. *Toxicol Sci* 115 (2): 612-3.
12. **Vandenberg LN**, Maffini MV, Sonnenschein C, Rubin BS, Soto AM. 2009. Bisphenol-A and the great divide: a review of controversies in the field of endocrine disruption. *Endocrine Reviews* 30: 75-95.
11. **Vandenberg LN**, Levin M. 2009. Perspectives and open problems in the early phases of left-right patterning. *Seminars in Cell and Developmental Biology* 20: 456-63.
10. Myers JP, vom Saal FS, Akingbemi BT, Arizono K, Belcher S, Colborn T, Chahoud I, Crain

DA, Farabollini F, Guillette LJ Jr., Hassold T, Ho S-M, Hunt PA, Iguchi T, Jobling S, Kanno J, Laufer H, Marcus M, McLachlan JA, Nadal A, Oehlmann J, Olea N, Palanza P, Parmigiani S, Rubin BS, Schoenfelder G, Sonnenschein C, Soto AM, Talsness CE, Taylor JA, **Vandenberg LN**, Vandenberg JG, Vogel S, Watson CS, Welshons WV, Zoeller RT. 2009. Why public health agencies cannot depend upon 'Good Laboratory Practices' as a criterion for selecting data: the case of bisphenol-A. *Environmental Health Perspectives* 117: 309-15.

9. **Vandenberg LN**, Maffini MV, Schaeberle CM, Ucci AA, Sonnenschein C, Rubin BS, Soto AM. 2008. Perinatal exposure to the xenoestrogen bisphenol-A induces mammary intraductal hyperplasias in adult CD-1 mice. *Reproductive Toxicology* 26: 210-9.

8. Soto AM, **Vandenberg LN**, Maffini MV, Sonnenschein C. 2008. Does breast cancer start in the womb? *Basic and Clinical Pharmacology & Toxicology*, 102: 125-33.

7. **Vandenberg LN**, Maffini MV, Wadia PR, Sonnenschein C, Rubin BS, Soto AM. 2007. Exposure to environmentally relevant doses of the xenoestrogen bisphenol-A alters development of the fetal mouse mammary gland. *Endocrinology* 148: 116-27.

6. Wadia PR, **Vandenberg LN**, Schaeberle CM, Rubin BS, Sonnenschein C, Soto AM. 2007. Perinatal bisphenol-A exposure increases estrogen sensitivity of the mammary gland in diverse mouse strains. *Environmental Health Perspectives* 115: 592-8.

5. **Vandenberg LN**, Hauser R, Marcus M, Olea N, Welshons WV. 2007. Human exposure to bisphenol A (BPA). *Reproductive Toxicology* 24: 139-177.

4. vom Saal FS, Akingbemi BT, Belcher SM, Birnbaum LS, Crain DA, Eriksen M, Farabollini F, Guillette LJ Jr, Hauser R, Heindel JJ, Ho SM, Hunt PA, Iguchi T, Jobling S, Kanno J, Keri RA, Knudsen KE, Laufer H, Leblanc GA, Marcus M, McLachlan JA, Myers JP, Nadal A, Newbold RR, Olea N, Prins GS, Richter CA, Rubin BS, Sonnenschein C, Soto AM, Talsness CE, Vandenberg JG, **Vandenberg LN**, Walser-Kuntz DR, Watson CS, Welshons WV, Wetherill Y, Zoeller RT. 2007. 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: 131-8.

3. Rubin BS, Lenkowski JR, Schaeberle CM, **Vandenberg LN**, Ronsheim PM, Soto AM. 2006. Evidence of altered brain sexual differentiation in mice exposed perinatally to low, environmentally relevant levels of bisphenol A. *Endocrinology* 147: 3681-91.

2. **Vandenberg LN**, Wadia PR, Schaeberle CM, Rubin BS, Sonnenschein C, Soto AM. 2006. The mammary gland response to estradiol: monotonic at the cellular level, non-monotonic at the tissue-level of organization? *Journal of Steroid Biochemistry and Molecular Biology* 101: 263-74.

1. Heifetz Y, **Vandenberg LN**, Cohn HI, Wolfner MF. 2005. Two cleavage products of the Drosophila accessory gland protein ovulin can independently induce ovulation. *PNAS* 18: 743-8.

BOOK CHAPTERS

Vandenberg LN. Endocrine disruptors and other environmental influences on hormone action. In: *The Oxford Handbook on Evolutionary Psychology and Behavioral Endocrinology*. Edited by Lisa Welling and Todd Shackelford. Published by Oxford University Press. [in press]

Vandenberg LN, Blumberg B. Alternative approaches to dose-response modeling of toxicological endpoints for risk assessment: non-monotonic dose-responses for endocrine disruptors. In: *Comprehensive Toxicology*, 3rd edition. Edited by David Eaton. Published by Elsevier. 2018.

Vandenberg LN. Classical approaches in toxicology are not protective of public health: unique issues created by endocrine disrupting chemicals (EDCs). In: Integrative Environmental Medicine. Edited by Aly Cohen and Frederick vom Saal. Published by Oxford University Press. 2017.

Vandenberg LN. Non-monotonic responses in endocrine disruption. In: Endocrine Disruption and Human Health. Edited by Philippa Darbre, Published by Elsevier. 2015.

Vandenberg LN. Bisphenol A and endocrine disruption. In: The Encyclopedia of Food Safety. Edited by Yasmine Motarjemi, Gerald Moy, EC David Todd. Published by Elsevier. 2014.

Vandenberg LN. Low dose effects of environmental chemicals. In: The Encyclopedia of Toxicology, 3rd edition. Edited by Philip Wexler, Published by Elsevier. 2014.

Vandenberg LN. Low dose effects of hormones and endocrine disruptors. In: Endocrine Disruptors. Edited by Gerald Litwack, Published by Academic Press/Elsevier. 2014.

Vandenberg LN. Bisphenol A and diseases of aging: evidence from animal models and human studies. In: Aging and Vulnerability to Environmental Chemicals. Edited by Bernard Weiss, Published by Royal Society of Chemistry (Cambridge, UK). 2012.

Schug TT, Vogel S, **Vandenberg LN**, Braun JM, Hauser R, Taylor JA, vom Saal FS, Heindel JJ. Bisphenol A. In: Dioxins and Health: Including Other Persistent Organic Pollutants and Endocrine Disruptors. Edited by Arnold Schecter, Published by Wiley-Blackwell. 2012.

PUBLISHING METRICS

H-index of 34, as of December 2017 (Google Scholar)

Indicates that I am an author on 34 publications that are cited 34 or more times each.

i10-index of 58, as of December 2017 (Google Scholar)

Indicates that I am an author on 58 publications that are cited at least 10 times each.

Google Scholar Profile:

https://scholar.google.com/citations?hl=en&user=R7V9ccYAAAAJ&view_op=list_works

NCBI bibliography:

<https://www.ncbi.nlm.nih.gov/sites/myncbi/laura.vandenberg.1/bibliography/48267378/public/?sort=date&direction=ascending>

PUBLICATIONS UNDER REVIEW

* indicates **graduate** student coauthors, ** indicates **undergraduate** student coauthors

Kolla S**, Morcos M**, Martin B**, **Vandenberg LN.** Low dose bisphenol S exposure during the perinatal period alters mouse mammary development.

Vandenberg LN. Low dose effects challenge the evaluation of endocrine disrupting chemicals. *Invited submission to Trends in Food Science & Technology.*

Jerry DJ, Shull J, Dunphy KA, Schneider SS, Hadsell DL, Rijnkels M, **Vandenberg LN**, Byrne C, Trentham-Dietz A. Genetic variation in sensitivity to estrogens and breast cancer risk. *Submitted to Mammalian Genome.*

PUBLICATIONS IN PREPARATION

[drafts available]

* indicates **graduate** student coauthors, ** indicates **undergraduate** student coauthors

Hill CE*, Myers JP, **Vandenberg LN**. Are non-monotonic dose response curves relevant to regulatory decision making?

Catanese MC*, **Vandenberg LN**. Bisphenol S exposure during pregnancy and lactation alters cell division in maternally relevant brain regions in female mice.

LaPlante CD**, Bansal R, Jerry DJ, **Vandenberg LN**. Oxybenzone alters mammary gland morphology in mice exposed during pregnancy and lactation.

Vandenberg LN, Nadal A. New systematic reviews of endocrine disruptors provide more evidence for low dose effects.

ADDITIONAL REPORTS

Vandenberg LN. Why Endocrinology? A pathway to better health. *Endocrine News*, February 2017.

Signatory to: Let's stop the manipulation of science. *Le Monde*, November 29, 2016. http://www.lemonde.fr/idees/article/2016/11/29/let-s-stop-the-manipulation-of-science_5039867_3232.html

Vandenberg LN. 25 years of endocrine disruptor research – great strides, but still a long way to go. *Environmental Health News*, September 19, 2016. <http://www.environmentalhealthnews.org/ehs/news/2016/sept/commentary-25-years-of-endocrine-disruptor-research-2013-great-strides-but-still-a-long-way-to-go>

Signatory to: Trasande L. 2016. Endocrine disruptors: refereed science to guide action on EDCs. *Nature* 536: 30.

Vandenberg LN, Ruden C. Identifying the “bad actors” – new challenges for the evaluation of endocrine disrupting chemicals. *Environmental Health News*, July 14, 2016. <http://www.environmentalhealthnews.org/ehs/news/2016/july/commentary-identifying-the-bad-actors2014-new-challenges-for-the-evaluation-of-endocrine-disrupting-chemicals>

Vandenberg LN, Prins GS. Clarity in the face of confusion: New studies tip the scales on bisphenol A (BPA). (Invited editorial). 2016. *Andrology*. 4(4): 561-4.

Zoeller RT, Bergman A, Becher G, Bjerregaard P, Bornman R, Brandt I, Iguchi T, Jobling S, Kidd KA, Kortenkamp A, Skakkebaek NE, Toppari J, **Vandenberg LN**. The path forward on endocrine disruptors requires focus on the basics (letter to the editor). *Toxicological Sciences*.

Grossman E, **Vandenberg LN**, Thayer K, Birnbaum LS. Obituary, Theodora (Theo) Colborn: 1927-2014. *Environmental Health Perspectives*, 123(3): A54.

Hunt P, Blumberg B, Bornehag CG, Clapp R, Collins TJ, DeFur PL, Gilbert SG, Guillet L, Hayes TB, Heilig S, Ho SM, Jackson R, Karp H, Lanphear B, Myers JP, Prins GS, Swan S, Weiss B, **Vandenberg LN**, vom Saal FS, Zoeller RT. Food labels would let consumers make informed choices. *Environmental Health News*, November 1, 2012. <http://www.environmentalhealthnews.org/ehs/news/2012/yes-labels-on-gm-foods>

Vandenberg LN. Vast majority of Americans have BPA in their bodies. *Bangor Daily News Op/Ed*, August 5, 2012. <http://bangordailynews.com/2012/08/05/opinion/vast-majority-of-americans-have->

[bpa-in-their-bodies/](#)

Vandenberg LN, Zoeller RT, Myers JP. Environmental Chemicals: Large Effects from Low Doses. *San Francisco Medicine*, v 85 (5). June 2012.

Heindel JJ, Zoeller RT, Jobling S, Iguchi T, **Vandenberg LN**. What is endocrine disruption all about? *A state-of-the-science update for the World Health Organization. (Released by UNEP/WHO in February 2013.)*

Vandenberg LN. Fixing a deformed frog face. Radio interview, *Living on Earth. PRI's Environmental News Magazine*, May 18, 2012. <http://www.loe.org/shows/segments.html?programID=12-P13-00020&segmentID=1>

Vandenberg LN. The dose doesn't always make the poison. Radio interview, *Living on Earth. PRI's Environmental News Magazine*, March 16, 2012. <http://www.loe.org/shows/segments.html?programID=12-P13-00011&segmentID=1>

Vandenberg LN. Opinion: There are no safe doses for endocrine disruptors. *Environmental Health News (invited opinion piece)*, March 15, 2012. <http://www.environmentalhealthnews.org/ehs/news/2012/opinion-endocrine-disruptors-low-level-effects>

Vandenberg LN. The BPA show. Radio interview, *Green Street with Patti & Doug Wood*, September 28, 2010. <http://www.greenstreetradio.com/092810.html>

Vandenberg LN. Formaldehyde in baby shampoos; polycarbonate plastic and bisphenol A. Radio interview, *World News Network*, January 14, 2010. http://wn.com/vandenberg_bpa

Vandenberg LN and Maffini MV. The chemical in your baby's bottle. *Boston Globe Op/Ed*, March 23, 2009. http://www.boston.com/bostonglobe/editorial_opinion/oped/articles/2009/03/23/the_chemical_in_your_babys_bottle/

Myers JP, vom Saal FS, Akingbemi BT, Arizono K, Belcher S, Colborn T, Chahoud I, Crain DA, Farabolini F, Guillette LJ Jr, Hassold T, Ho SM, Hunt PA, Iguchi T, Jobling S, Kanno J, Laufer H, Marcus M, McLachlan JA, Nadal A, Oehlmann J, Olea N, Palanza P, Parmigiani S, Rubin BS, Schoenfelder G, Sonnenschein C, Soto AM, Talsness CE, Taylor JA, **Vandenberg LN**, Vandenberg JG, Vogel S, Watson CS, Welshons WV, Zoeller RT. 2009. Re: Good laboratory practices and safety assessments. [Letter in response to Becker et al]. *Environmental Health Perspectives* 117: A482-3.

Vandenberg LN, Maffini MV, Rubin BS, Sonnenschein C, Soto AM. Response to the final draft of the NTP-CERHR report on the reproductive and developmental toxicity of bisphenol A. *CERHR website*, January 2008. http://cerhr.niehs.nih.gov/chemicals/bisphenol/pubcomm/Soto_BPA_PanelRptCms_Jan08.pdf.

Vandenberg LN, Maffini MV, Rubin BS, Soto AM. Response to the interim draft of the NTP-CERHR report on the reproductive and developmental toxicity of bisphenol A. *CERHR website*, June 2007. http://cerhr.niehs.nih.gov/chemicals/bisphenol/pubcomm/Soto_comments_BPA_interim.pdf

Additional interviews with Huffington Post, NY Times, Martha Stewart Living Magazine, Glamour Magazine, Time Magazine, NPR's Here and Now, USA Today, The Boston Globe, Environmental Health News, Mother Jones, The Intercept, and Men's Health (among others).

FELLOWSHIPS & FUNDING

- NIH/NIEHS K22 ES025811 08/2015 – 07/2018
Project Title: Impact of Environmental Estrogens on Sexually Dimorphic Development of the Mouse Mammary Gland
Role: PI
Direct costs: \$417,746
- NIH/NIEHS 1U01 ES026140-01 09/2015 – 08/2019
Project Title: Disruption of parity-induced tumor suppressor pathways by xenoestrogen exposures during pregnancy
Role: co-I (PI: Jerry/Schneider)
Direct costs: \$2,357,460
- Cornell Douglas Foundation Pearl Award 09/2016 –
Project Title: Policy and regulation of endocrine disrupting chemicals
Role: Awardee
Direct costs: \$50,000
- NIEHS Opportunity Funds (for BCERP [Breast Cancer & the Environment Program] members) 09/2016 – 09/2017
Project Title: Stromal effects of xenoestrogens
Role: UMass Representative PI
Direct costs: \$50,000
- NIH/NIEHS R01ES025748-01A1 06/01/2016 – 05/31/2017
Project Title: Activation of Nrf2 during embryonic development: mechanisms and consequences
Role: co-I (PI: Timme-Laragy)
- NIH NRSA Postdoctoral Fellowship, 2009-2011
Project Title: Bioelectrical controls of left-right asymmetry
Role: PI
Total award: \$97,264
- Science Communication Fellowship, Environmental Health News, 2010
This competitive fellowship provides a full year of training to postdoctoral fellows and junior faculty to learn how to communicate published studies in environmental health science to the general public. Fellows write synopses of peer-reviewed studies, analyze media coverage of scientific studies and topics, and interact with reporters following media training.
Total award: \$5000
- Sackler School Dean's Fellowship in Cancer Research, 2005-2006
A competitive fellowship awarded to predoctoral students that demonstrate outstanding achievement in research and scholarship during the first two years of graduate study.
Total award: \$44,000 for stipend, tuition and laboratory supplies
- Cell Molecular & Developmental Biology Training Grant, Tufts University, 2004-2005
Positions on the training grant were competitive. Selection was based on research accomplishments and likelihood of future success in academic careers. (Awarded for two years)
Total award: \$88,000 for stipend, tuition and laboratory supplies (over 2 years)

TEACHING EXPERIENCE (FULL SEMESTER COURSES)

University of Massachusetts, School of Public Health, Fall 2013 - current

Fall 2016, Fall 2017: Cancer and the Environment (PUBHLTH 390LV) – 3 credits
Responsible for course content, assessments & providing independent student support for a semester-long course. Students learn about environmental causes of cancer and evaluate the epidemiology and experimental literature. [typically 30-40 students per semester]

Fall 2015, Spring 2016, Spring 2017: Seminars in Environmental Health (PUBHLTH 490VS) / Graduate Seminars in Environmental Health (EHS 790VS) – 1 credit each
co-taught with Dr. A. Suvorov or Dr. A. Timme-Laragy
Responsible for organizing a semester's worth of seminar speakers, grading short writing assignments, and providing feedback on student presentations [typically 20 undergraduate students, 2-5 graduate students per semester]

Spring 2014, Fall 2014, Spring 2016: Honors Colloquium in Environmental Health Sciences (PUBHLTH H303) – 1 credit
Responsible for course content, assessments & providing independent student support for a semester-long course that allows students to explore Environmental Health topics in depth. [typically 10-20 students per semester]

Fall 2014, Fall 2015, Fall 2017: Research Methods (EHS 691B; formerly PUBHLTH 691B) – 3 credits
Responsible for course content, assessments & lecture materials for a semester-long graduate core course for MS, MPH and PhD students in the Environmental Health Sciences graduate program. [typically 5-12 students per semester]

Spring 2015: From Plastics to Pesticides: Controversies in Environmental Health (HONORS 391A) – 1 credit
Responsible for course content for a semester-long 1-credit Honors seminar. [11 students]

Spring 2014, Fall 2014: Introduction to Environmental Health Sciences (PUBHLTH 203) – 3 credits
Responsible for course content, assessments & lecture materials for a semester-long senior level course. Supervised graduate student TAs and undergraduate course assistants. [typically 140-200 students per semester]

Fall 2013: Public Health Sciences Capstone (PUBHLTH 494CI) – 3 credits
Responsible for course content, assessments & lecture materials for a semester-long senior level course. [27 students]

Instructor, Tufts University, Department of Biology, 2010 – 2011.

Spring 2010, Spring 2011: Experiments in Cell Biology – 3 credits
Responsible for course content, assessments & organizing laboratory exercises for a semester-long senior level course. [typically 12-14 students]

TEACHING EXPERIENCE (INVITED COURSES)

Guest Lecturer, University of Massachusetts – Amherst, Department of Microbiology, Fall 2017.

Biology of Cancer and AIDS (MICROBIO 16)
Provided 1 hour of lecture on cancer and the environment.

Guest Lecturer, Simmons College, Chemistry Department, Fall 2017.

Mechanistic Toxicology
Provided 3 hours of lecture on the endocrine system, endocrine disruptors, and testing for these compounds that can be performed by chemists/environmental health scientists.

Guest Lecturer, Uppsala University, Uppsala Sweden, Summer 2017.

Reproductive Toxicology

Over a period of four days, provided two lectures and led discussions on endocrine disruptors, dose response relationships, and methods to evaluate toxicity.

Guest Lecturer, University of Massachusetts – Amherst, Biology Department, Spring 2017.

Endocrinology (BIO 568)

Provided 1 hour of lecture on endocrine methods and the development and diseases of endocrine organs.

Guest Lecturer, University of Massachusetts – Lowell, Graduate Program in Work Environment, Spring 2017.

Toxicology and Health

Provided 2.5 hours of lecture on reproductive and developmental toxicology.

Guest Lecturer, University of Massachusetts – Amherst, Department of Microbiology, Spring 2017.

Biology of Cancer and AIDS (MICROBIO 16)

Provided 2 hours of lecture on cancer and the environment.

Guest Lecturer, University of Massachusetts – Lowell, Graduate Program in Work Environment, Spring 2016.

Toxicology and Health

Provided 2.5 hours of lecture on reproductive and developmental toxicology.

Guest Lecturer, Simmons College, Chemistry Department, Spring 2016.

Mechanistic Toxicology

Provided 3 hours of lecture on the endocrine system, endocrine disruptors, and testing for these compounds that can be performed by chemists/environmental health scientists.

Guest Lecturer, University of Massachusetts – Amherst, Biology Department, Fall 2015.

Endocrinology (BIO 568)

Provided 6 hours of lecture on endocrine methods and the development and diseases of endocrine organs.

Guest Lecturer, University of Massachusetts – Lowell, Graduate Program in Work Environment, Spring 2015.

Toxicology and Health

Provided 2.5 hours of lecture on reproductive and developmental toxicology.

Guest Lecturer, Tufts University, Biology Department, McLaughlin Laboratory, January 2015.

Provided 3 hours of in-depth training on use of MorphoJ and geometric morphometric analyses.

Guest Lecturer, University of Massachusetts – Lowell, Graduate Program in Work Environment, Spring 2014.

Toxicology and Health

Provided 2.5 hours of lecture on reproductive and developmental toxicology.

Guest Lecturer, Simmons College, Chemistry Department, Spring 2014.

Mechanistic Toxicology

Provided 3 hours of lecture on the endocrine system, endocrine disruptors, and testing for these compounds that can be performed by chemists/environmental health scientists.

Guest Lecturer, University of Massachusetts – Lowell, Graduate Program in Work Environment, Spring 2013.

Toxicology and Health
Provided 2.5 hours of lecture on reproductive and developmental toxicology.

Guest Lecturer, Tufts University, Department of Biology, Spring 2013.

Experiments in Cell Biology
Organized content and laboratory exercises for a single class on microscopy and histology (2.5 hours).

Guest Lecturer, Tufts University School of Medicine, Graduate Program in Pharmacology, Fall 2012.

Translational Physiology – Reproductive Physiology & Pharmacology
Provided 2.5 hours of lecture on reproductive physiology, wrote exam questions.

Guest Lecturer, Simmons College, Chemistry Department, Fall 2011.

Mechanistic Toxicology
Provided 3 hours of lecture on the endocrine system, endocrine disruptors, and testing for these compounds that can be performed by chemists/environmental health scientists.

Guest Lecturer, University of Massachusetts - Lowell, Graduate Program in Community Health & Sustainability, Fall 2011.

Risk Assessment
Provided 3 hours of lecture on BPA risk assessments.

Guest Lecturer, Tufts University School of Medicine, Graduate Program in Pharmacology, Fall 2011.

Translational Physiology
Provided 2.5 hours of lecture on reproductive physiology, wrote exam questions.

Guest Lecturer, Tufts University School of Medicine, Graduate Program in Pharmacology, Fall 2010.

Translational Physiology
Provided 2.5 hours of lecture on reproductive physiology, wrote exam questions.

Lecturer, Continuing Education Seminars, Fall 2009 – Spring 2010.

Association of Women's Health, Obstetric and Neonatal Nurses
Gave lectures (10-15 hours total) & wrote exam questions for a series of seminars provided around the state.

Guest Lecturer, Tufts University, Department of Biology, Spring 2009.

Experiments in Cell Biology
Organized content and laboratory exercises for a single class (3 hours).

Teaching Assistant, Cornell University, Education Department, Spring 2003.

Community & Learning Partnerships
Led weekly group sessions, served as discussion leader.

Teaching Assistant, Cornell University, College of Human Ecology, Fall 2002.

Design & Environmental Analysis
Led weekly laboratory sessions, graded assignments.

MENTORING

High School Students

Ms. Zainab Mian (high school student, Students & Scholars program). Mentored for 4 weeks of full-time research. 2017

- Ms. Amrita Shah (high school student, Students & Scholars program). Mentored for 4 weeks of full-time research. 2017
- Ms. Kayla Lieb (high school student, Students & Scholars program). Mentored for 4 weeks of full-time research. 2016
- Ms. Stacy Okun (high school student, Students & Scholars program). Mentored for 4 weeks of full-time research. 2016
- Ms. Kiana Kerr (high school student, Students & Scholars program). Mentored for 4 weeks of full-time research. 2015
- Ms. Selina Thomas (high school student, Students & Scholars program). Mentored for 4 weeks of full-time research. 2015
- Ms. Minori Keefe (visiting high school student). Mentored for 1 semester of independent research projects. 2010
- Ms. Olena Savatskya (high school student, Boston Latin High). Mentored for a full year of independent research projects. 2006
- Ms. Leah Greenberg (high school student, Great Neck High School). Mentored for a summer of independent research projects. 2005

Undergraduate Students – Honors Thesis Projects

- Ms. Rebecca Goldberg. UMass Amherst undergraduate, member of Commonwealth Honors College, expected graduation: 2018. Undergraduate thesis title: *Tactics used to manufacture doubt across industries*. [research supervisor & committee chair]
- Mr. Danny McSweeney. UMass Amherst undergraduate, member of Commonwealth Honors College, expected graduation: 2018. Undergraduate thesis title: *Effects of bisphenol S on the developing male mammary gland in mice*. [research supervisor & committee chair]
- Recipient, UMASS CHC Research Grant (2018)
- Ms. Lauren Hurley. UMass Amherst undergraduate, member of Commonwealth Honors College, expected graduation: 2018. Undergraduate thesis title: *Long-term effects of a mixture of fracking chemicals on the mouse mammary gland*. [research supervisor & committee chair]
- Recipient, UMASS CHC Research Grant (2018)
- Ms. Charlotte LaPlante. UMass Amherst undergraduate, member of Commonwealth Honors College, expected graduation: 2018. Undergraduate thesis title: *Effects of oxybenzone on the mouse mammary gland: exploring a novel critical window of exposure*. [research supervisor & committee chair]
- Co-author on two published manuscripts
 - Co-author on one manuscript in preparation
 - Recipient, UMASS CHC Research Grant (2015, 2016, 2017, 2018)
 - Recipient, Endocrine Society Summer Research Fellowship (2017)
- Ms. SriDurgaDevi Kolla. UMass Amherst undergraduate, member of Commonwealth Honors College, expected graduation: 2017. Undergraduate thesis title: *Effects of bisphenol S on the mouse mammary gland at puberty*. [research supervisor & committee chair]
- Co-author on one published manuscript
 - Co-author on one manuscript in preparation
 - Recipient, Corinne Johnson Award (EHS Department, 2016)
 - Recipient, UMASS CHC Research Grant (2015, 2016)
 - Won 3rd Prize at UMASS SPHHS Research Day (2017)
 - Recipient, UMASS Dean's Award (2017, graduation)
- Ms. Meg Bernier. UMass Amherst undergraduate, member of iCONS program, 2016 (Spring). Undergraduate thesis title: *Human exposure to bisphenols via handling of thermal paper*. [research supervisor & committee chair]
- Co-author on one published manuscript
- Ms. Anupama Singh. UMass Amherst undergraduate, member of Commonwealth Honors College, 2016 (Spring). Undergraduate thesis title: *A decision-tree for assessing quality of dose response curves using propylparaben as a case study*. [research supervisor & committee chair]
- Recipient, UMASS CHC Research Fellowship (2015, 2016)

- Mr. Shawn Hallett. UMass Amherst undergraduate, member of Commonwealth Honors College, 2016 (Spring). Undergraduate thesis title: *Effects of BPA alternatives on mammary gland development in the F2 generation*. [research supervisor & committee chair]
- Mr. Michael Lemieux. UMass Amherst undergraduate, member of Commonwealth Honors College, 2016 (Spring). Undergraduate thesis title: *Ethinyl estradiol as a model for other estrogenic endocrine disruptors*. [advisor, Thesis Capstone]
- Mr. D'Andre Quinerly. UMass Amherst undergraduate, member of Commonwealth Honors College. 2015. Undergraduate thesis title: *The effect of developmental exposures to bisphenol S on the mouse mammary gland at puberty and adulthood*. [research supervisor & committee chair]
- Co-author on one published manuscript
 - Awarded UMASS Rising Researcher Award, 2015
- Mr. Zachary Clements. UMass Amherst undergraduate, member of Commonwealth Honors College. 2014 (fall). Undergraduate thesis title: *Identifying the effects of environmental chemicals on measures of adiposity*. [research supervisor]
- Ms. Arianna Moscone. UMass Amherst undergraduate, member of Commonwealth Honors College. 2014 (fall). Undergraduate thesis title: *Is a zero waste campus possible? A pilot study at UMass Amherst*. [project supervisor & committee chair]
- Mr. Ryan Morrie. Tufts University undergraduate, 2012. Undergraduate thesis title: *The role of Rab11 in establishing left-right asymmetry in the Xenopus embryo*. [research supervisor & committee chair]
- Co-author on two published manuscripts
 - Undergraduate thesis was rated "highest honors".

Undergraduate Students – independent study

- Ms. Michelle Levine (UMass Amherst undergraduate, member of Commonwealth Honors College, expected graduation: 2019.) Mentored for summer + 1 semester of independent research projects.
- Ms. Athena Sofides (Smith College undergraduate, expected graduation: 2019.) Mentored for 1 semester of independent research projects.
- Ms. Jessica Landry (UMass Amherst undergraduate, expected graduation: 2019.) Mentored for 1 semester of independent research projects.
- Ms. Archana Gopal (UMass Amherst undergraduate, graduated 2017.) Mentored for summer + 2 semesters of independent research projects.
- Ms. Lauren Hurley (UMass Amherst undergraduate, member of Commonwealth Honors College, expected graduation: 2018.) Mentored for 2 semesters of independent research projects
- Recipient, UMASS CHC Research Fellowship (2017)
- Mr. Brian Martin (UMass Amherst undergraduate, graduated 2017.) Mentored for 2 semesters of independent research projects.
- Ms. Mary Morcos (UMass Amherst undergraduate, expected graduation: 2018.) Mentored for 3 semesters of independent research projects.
- Mr. Danny McSweeney (UMass Amherst undergraduate, expected graduation: 2018.) Mentored for 1 semester + summer session of independent research projects.
- Ms. Aastha Pokharel (UMass Amherst undergraduate, member of Commonwealth Honors College, expected graduation: 2019.) Mentored for 2 summer sessions + 3 semesters of independent research projects
- Co-author on one published manuscript
 - Recipient, UMASS CHC Research Fellowship (2017)
 - UMASS STEM Ambassador (2016)
- Ms. Debora Pimentel (UMass Amherst undergraduate, graduated 2016.) Mentored for 1 semester of independent research projects
- Ms. Meg Bernier (UMass Amherst undergraduate, member of iCONS program, graduated 2016.) Mentored for 1 semester of independent (dry lab) research projects.
- Ms. SriDurgaDevi Kolla (UMass Amherst undergraduate, member of Commonwealth Honors College, expected graduation: 2017.) Mentored for 3 semesters of independent research projects.

- Ms. Sarah Sapouckey (UMass Amherst undergraduate, graduated 2016.) Mentored for 3 semesters of independent research projects.
- Co-author on one manuscript in preparation
 - Co-author on one published manuscript
- Mr. Alfred Kimani (UMass Amherst undergraduate, expected graduation: 2017.) Mentored for 1 semester of independent research projects.
- Ms. Charlotte LaPlante (UMass Amherst undergraduate, member of Commonwealth Honors College, expected graduation: 2018). Mentored for 4 semesters of independent research projects.
- Ms. Anupama Singh (UMass Amherst undergraduate, member of Commonwealth Honors College, graduated 2016). Mentored for 4 semesters of independent research projects.
- Ms. Lauren Masse (UMass Amherst undergraduate, graduated 2015.) Mentored for 2 semesters of independent research projects.
- Ms. Alison Bowler (UMass Amherst undergraduate, graduated 2014).
Mentored for 1 semester of independent (dry-lab) research projects.
- Co-author on one published manuscript
- Ms. Allison Stradiotto (Tufts University undergraduate, graduated 2015). Mentored for 1 semester of independent research projects.
- Mr. Gregory Zhang (Tufts University undergraduate, graduated 2016). Mentored for 1 semester of independent (dry-lab) research projects.
- Mr. Chris Bredie (Tufts University undergraduate, graduated 2012). Mentored for 1 year of independent research projects.
- Mr. Brian Pennarola (Tufts University undergraduate, graduated 2011, attending medical school in fall 2012). Mentored for 1.5 years of independent research projects.
- Co-author on one published manuscript
- Mr. Tanzeel Ahmed (Tufts University undergraduate, graduated 2011). Mentored for 1 semester of independent research projects.
- Ms. Claire Stevenson (Tufts University undergraduate, graduated 2010, attending graduate school in fall 2012). Mentored for 1.5 years of independent research projects.
- Co-author on one published manuscript

Masters Students (non-thesis)

- Ms. Alix Shipman. UMass Amherst MPH Student. Expected graduation, Feb 2018. Mentored for 1 semester of independent study.

Masters Students (thesis)

- Ms. SriDurgaDevi Kolla. UMass Amherst SPHHS 4+1 MS student. Anticipated graduation 2018.
MS Thesis title: *Bisphenol S, estrogens and the advancement of pubertal timing: evaluation of short- and long-term effects on the developing mouse mammary gland.*
- Awarded “best graduate speaker” at 2017 North Atlantic Chapter, SETAC annual meeting. Award includes funds to attend the national SETAC meeting in Fall 2017
- Ms. Corinne Hill. UMass Amherst SPHHS MS student. Graduated 2015. MS Thesis title: *Emerging ovarian toxicants: assays for the disruption of ovarian follicles at puberty and in adulthood.*

PhD students (dissertation)

- Dr. Klara Matouskova. UMass Amherst EHS PhD student. Anticipated graduation 2022. PhD Dissertation title: TBD.
- Dr. Mary C. Catanese. UMass Amherst Neuroscience and Behavior PhD student. Graduated 2016. PhD Dissertation title: *Disruption of maternal behavior and the maternal brain by bisphenol S: effects of exposure during development or pregnancy.*

Lab Rotations

Mr. Marcos Manganare. UMass Molecular and Cellular Biology PhD student. Lab rotation, Fall 2016.

Additional Membership on Thesis, Qualifying Exam & Dissertation Committees

- Dr. Margarite C van Zijl. University of Pretoria, South Africa, Faculty of Health Sciences. PhD student. Graduated 2017. PhD dissertation title: Estrogenic activity, target endocrine disrupting chemical levels and potential health risks of bottled water and water from selected distribution points in Pretoria and Cape Town. Role: Outside examiner.
- Ms. Aliza Majewski. UMass Amherst, Animal Biotechnology and Biomedical Sciences MS student. Graduation anticipated 2017. Role: Committee member.
- Ms. Jesse Angelo. UMass Amherst, Animal Biotechnology and Biomedical Sciences PhD student. Graduation anticipated 2018. Role: Committee member.
- Mr. Haotian Wu. UMass Amherst SPHHS, Department of Environmental Health Sciences, PhD student. Graduation anticipated, 2017. Role: Dissertation committee member.
- Ms. Whitney Huynh. UMass Amherst SPHHS, Department of Environmental Health Sciences, MS student (withdrawn). Role: Thesis committee member.
- Ms. Sarah Brown. UMass Amherst SPHHS MS student. Graduated 2016. MS Thesis title: Effects of butylparaben exposure on pancreatic development in zebrafish (*Danio rerio*) embryos. Role: Thesis committee member.
- Ms. Margarita Brown. UMass Amherst, Animal Biotechnology and Biomedical Sciences MS student. Graduated 2016. MS Thesis title: Investigating the balance between estrogen receptor mediated cell proliferation and genomic surveillance. Role: Thesis committee member.
- Dr. Linda Molander. Stockholm University, Sweden, Department of Environmental Science and Analytical Chemistry. PhD student. Graduated 2015. PhD dissertation title: Chemicals in consumer products: bridging the gap between academic research and chemicals regulation. Role: Opponent (external reviewer).
- Ms. Aliza Majewski. UMass Amherst undergraduate, member of Commonwealth Honors College, 2016 (Spring). Undergraduate thesis title: *Selective activation of proliferation and surveillance pathways by estrogen receptor agonists*. Role: thesis committee member
- Ms. Lia Delaney. UMass Amherst undergraduate, member of Commonwealth Honors College. 2015 (spring). Undergraduate thesis title: *Identifying factors that influence environmental health decisions about endocrine disrupting chemicals*. Role: thesis committee member

POSTER PRESENTATIONS (SELECTION), WEBINARS, AND CAMPUS LECTURES AT UMASS

LaPlante CD, Bansal R, Jerry DJ, **Vandenberg LN**. Exposures to oxybenzone during pregnancy and lactation induce long-term changes in the mouse mammary gland. *Poster presenter*, BCERP Annual Meeting, *City of Hope, CA, November 2017*.

Vandenberg LN. Better chemical evaluations: A role for basic science. *Speaker*, UMASS SPHHS Dean's Symposium on Health Equity, *Amherst, MA, April 2017*.

Vandenberg LN. Environmental chemicals and the mother: lessons learned from the mouse. *Speaker*, UMASS Center for Research on Families Annual Gala, *Amherst, MA, March 2017*.

Vandenberg LN. The trouble with dose responses: an academic debate. *Speaker*, UMASS EHS Seminar Series, UMass, *Amherst, MA, February 2017*.

Vandenberg LN. From Silent Spring to 2016: My path in environmental health. *Speaker*, UMASS BioSci Group, *Amherst, MA, November 2016*.

Vandenberg LN. Becoming Rachel's Granddaughter: My path through science and environmental health. *Speaker*, UMASS STEM Ambassadors, *Amherst, MA, October 2016.*

Vandenberg LN. BPA replacement chemicals force a re-thinking of critical periods. *Speaker*, EHS Seminar Series, UMASS, *Amherst, MA, October 2016.*

Vandenberg LN, Catanese MC, LaPlante CD. Exposure to bisphenol-S during pregnancy and lactation disrupts mouse maternal development. *Poster presenter*, Gordon Research Conference – Environmental Endocrine Disruptors, *Sunday River, ME, June 2016.*

Vandenberg LN. BCERP animal experiments: addressing 'what', 'when', 'how' and 'how much'. *Speaker*, BCERP Animal Harmonization Group, *Webinar, May 2016.*

Vandenberg LN. When babies are exposed... lessons learned from birth control users? *Speaker*, UMASS MedLife, 2nd Annual "MED-Talk", *Amherst, MA, March 2016.*

Vandenberg LN. Plastic bodies in a plastic world: what environmental contaminants tell us about development. *Speaker*, Department of Veterinary and Animal Sciences, UMASS, *Amherst, MA, March 2016.*

Vandenberg LN. Contaminations by contaminants: challenges for exposure science. European EDC MIX-RISK Webinar Series. *February 2016.*

Vandenberg LN. *In utero* exposure to birth control: cause for concern? *Speaker*, EHS Seminar Series, UMASS, *Amherst, MA, February 2016.*

Vandenberg LN. BPS as a replacement for BPA: what consequences should we anticipate? *Speaker*, EHS Seminar Series, UMASS, *Amherst, MA, September 2015.*

Vandenberg LN. Bisphenol A, endocrine disruption, and the evaluation of alternatives. IC2: Interstate Chemicals Clearinghouse Webinar. *June, 2015.*

Vandenberg LN. Does breast cancer start in the womb? Insights from rodent studies of bisphenol A. *Invited speaker*, UMASS BioTap Program, *Amherst, MA, September 2014.*

Vandenberg LN. Are non-monotonic dose responses observed frequently enough to matter? *Poster presenter*, Gordon Research Conference on Environmental Endocrine Disruptors, *Il Ciocco, Italy, May 2014.*

Vandenberg LN. An update on our understanding of low dose effects and non-monotonic dose responses. The Collaborative on Health and the Environment. *Webinar, Endocrine Disrupting Chemicals: Exposure, Research and Regulation*, September 2013.

Vandenberg LN, Jacobs DR, Lee DH. Examples of non-monotonicity in epidemiologic studies. *Selected Speaker*, Pew Health Group meeting on Non-Monotonic Doses, *Washington, DC, April 2012.*

Vandenberg LN, Soto AM, and Sonnenschein C. It's not in your genes but the company you keep. Phenotype, a view from the bench. *Selected Speaker*, International Society for the History, Philosophy, and Social Studies of Biology Annual Meeting, *Exeter, England, 2007.*

Vandenberg LN, Maffini MV, Schaeberle CM, Rubin BS, Sonnenschein C, Soto AM. Early exposure to the xenoestrogen bisphenol-A has long-lasting effects on the mammary gland in both male and female mice. *Selected speaker*, Endocrinology Annual Meeting, *Toronto, Canada, 2007.*

Vandenberg LN, Maffini MV, Wadia PR, Sonnenschein C, Rubin BS, and Soto AM. Exposure to bisphenol-A alters growth and morphology of the fetal mammary gland. *Poster presenter*, Endocrinology Annual Meeting, *Boston, MA, 2006*.

Vandenberg LN, Maffini MV, Wadia PR, Sonnenschein C, Rubin BS, and Soto AM. In utero exposure to environmentally relevant levels of bisphenol-A alters growth and morphology of the fetal mouse mammary gland. *Poster presenter and selected speaker*, Gordon Research Conference- Environmental Endocrine Disruptors, *Il Ciocco, Italy, 2006*.

CO-AUTHORED PRESENTATIONS (SELECTION)

Mian Z, Shah A, **Vandenberg LN**. Mammary gland development and disease: results of a 4-week research program with high school scholars. *Poster presented by Z Mian and A Shah*, BCERP Annual Meeting, *City of Hope, CA, November 2017*.

Morin S, Gregory KJ, Ser-Dolansky J, Frare M, Amaro Gonzalez E, Bansal R, Jerry DJ, **Vandenberg LN**, Schneider SS. Effects of Xenoestrogens on Crosstalk Between Macrophages and Mammary Epithelial Cells. *Poster presented by SS Schneider*, BCERP Annual Meeting, *City of Hope, CA, November 2017*.

Kolla S, **Vandenberg LN**. Developmental exposure to xenoestrogens and their effects on the female mouse mammary gland. *Oral presentation by S Kolla*, Annual Meeting of the North Atlantic Chapter of SETAC, *Amherst, MA, 2017*.

Martin BD, **Vandenberg LN**. The effects of Gleevec on lactating female mice. *Oral presentation by B Martin*, UMASS Undergraduate Research Conference, *Amherst, MA, 2017*.

Hurley L, **Vandenberg LN**. Bisphenol S induces abnormal behaviors in the open field in two generations of exposed mice. *Poster presented by L Hurley*. UMASS Undergraduate Research Conference, *Amherst, MA, 2017*.

Kolla S, **Vandenberg LN**. Developmental exposure to xenoestrogens and their effects on the female mouse mammary gland. *Oral presentation by S Kolla*, UMASS Undergraduate Research Conference, *Amherst, MA, 2017*.

LaPlante CD, **Vandenberg LN**. Xenoestrogens and their influence on the protective effects of pregnancy in the mouse mammary gland. *Oral presentation by C LaPlante*, UMASS Undergraduate Research Conference, *Amherst, MA, 2017*.

Morcos M, **Vandenberg LN**. The effects of Gleevec on pregnant mice. *Oral presentation by M Morcos*, UMASS Undergraduate Research Conference, *Amherst, MA, 2017*.

Pokharel A, **Vandenberg LN**. Evaluating left-right asymmetry in the developing mouse mammary gland. *Oral presentation by A Pokharel*, UMASS Undergraduate Research Conference, *Amherst, MA, 2017*.

LaPlante CD, **Vandenberg LN**. Xenoestrogens and their influence on the protective effects of pregnancy in the mouse mammary gland. *Poster presented by C LaPlante*, UMASS Life Sciences Research Conference, *Amherst, MA, 2017*.

Pokharel A, **Vandenberg LN**. Evaluating left-right asymmetry in the developing mouse mammary gland. *Poster presented by A Pokharel*, UMASS STEM Ambassador Annual Demo Day, *Amherst, MA, 2017*.

Kolla S, **Vandenberg LN**. Developmental exposure to xenoestrogens and their effects on the female mouse mammary gland. *Poster presented by S Kolla, SPHHS Research Day, Amherst, MA, 2017.*

Catanese MC, **Vandenberg LN**. Exposure to bisphenol S during pregnancy and lactation alters maternal brain and behavior in CD1 mice. *Poster presented by M. Catanese, Society for Neuroscience 2016, San Diego, CA, November 2016.*

Catanese MC, **Vandenberg LN**. The effects of exposure to exogenous estrogen during pregnancy and lactation, or gestation and the perinatal period, on maternal behavior and brain. *Poster presented by M. Catanese, ENDO 2016, Boston, MA, 2016; SPHHS Research Day, Amherst, MA, 2016.*

Hill CE, Suvorov A, **Vandenberg LN**. Effects of developmental exposure to two emerging environmental toxicants on the pre-pubertal and adult ovary. *Poster presented by C. Hill, SPHHS Research Day, Amherst, MA, 2015.*

Catanese MC, Suvorov A, **Vandenberg LN**. Beyond a means of exposure: an integrated view of maternal behavior and brain for toxicology research. *Poster presented by M. Catanese, PPTOX IV, Boston, MA, 2014.*

DEPARTMENT SERVICE

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|--------------|---|
| 2016-current | Personnel Committee |
| 2015-2016 | Senior Faculty / Department Chair Search Committee Chair (2015), Member (2016) |
| 2015 | TOO (Targets of Opportunity) Faculty Search Committee (ad hoc) Co-chair |
| 2015-current | Graduate Program Director |
| 2014-2016 | Strategic Planning Committee |
| 2013-2016 | Admissions Committee Chair, 2013-2015 |

SCHOOL/UNIVERSITY SERVICE

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| 2017-present | Animal Care Services User Group Committee |
| 2016-present | SPHHS Representative, University LSL Vivarium Committee |
| 2014-2016 | Diversity Committee, School of Public Health & Health Sciences |
| 2014 | Undergraduate Advisory Committee, School of Public Health & Health Sciences |

PROFESSIONAL SERVICE

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| 2017 | Grant Reviewer (ad hoc) – Health Canada, Chemicals Management Plan Research Program |
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| 2017 | Panel member, SBIR Study Section, NIEHS |
| 2016 | Grant Reviewer, California Breast Cancer and the Environment Research Program |
| 2016 | Temporary/Ad hoc member, CE Study Section Panel, NIH |
| 2015-current | Mentor, Science & Scholars Program, Great Neck Breast Cancer Coalition |
| 2015 | Organizing Committee, NIEHS/EPA Joint Workshop: Strengthening the Scientific Basis for Chemical Safety Assessments |
| 2015 | Grant Reviewer – US EPA STAR Predoctoral Fellowships |
| 2014 | Study Reviewer (ad hoc) – US Centers for Disease Control & Prevention |
| 2014-2015 | Grant Reviewer (ad hoc) – National Science Foundation |
| 2013 | Grant Reviewer (ad hoc) – Health Canada, Chemicals Management Plan Research Program |
| 2012 | Organizing Committee, NIEHS/European Commission Low Dose Meeting |
| 2011 | Grant Reviewer (ad hoc) – Medical Research Council of South Africa |
| 2009 | Invited member, German Umweltbundesamt Panel, BPA assessment |
| 2009 | Invited member, German Federal Institute for Risk Assessment, Endocrine Disrupting Chemicals and Plant Assessment Expert Panel |
| 2008-2015 | Board of Directors, Massachusetts Odyssey of the Mind |
| 2008 | Senior Advisory Council Member, Coalition for a Safe & Healthy Connecticut |
| 2007-2009 | Judge, Boston High School Science Fair, and Massachusetts State Science & Engineering Fairs (Middle & High School) |

AD HOC REVIEWER, PEER-REVIEWED JOURNALS

Archives of Environmental Contamination & Toxicology
 Andrology
 Annals of the New York Academy of Sciences
 Bioessays
 Cancer Epidemiology
 Chemical Research in Toxicology
 Chemistry & Biology
 Chemosphere
 Critical Reviews in Toxicology
 Current Opinion in Pharmacology
 Dose Response
 Endocrine Disruptors
 Endocrinology
 Environmental Health
 Environmental Health Perspectives
 Environmental International
 Environmental Research

Environmental Science & Technology
Environmental Toxicology
Fertility & Sterility
Food Additives & Contaminants
Food & Chemical Toxicology
Frontiers of Environmental Science & Engineering
Human & Ecological Risk Assessment Journal
Human & Experimental Toxicology
International Journal of Environmental Research & Public Health
Journal of Epidemiology & Community Health
Journal of Exposure Science & Environmental Epidemiology
Journal of the American Medical Association (JAMA)
Journal of Steroid Biochemistry and Molecular Biology
Journal of Toxicology
Lancet
Molecular & Cellular Endocrinology
Neuroendocrinology
Neurotoxicology
Pediatrics
PLoS ONE
Proceedings of the National Academy of Sciences (PNAS)
Reproductive Toxicology
Reproduction
Reviews on Environmental Health
Science of the Total Environment
Science Translational Medicine
Talanta
Toxicological Sciences
Toxicology
Toxicology & Applied Pharmacology

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|---|-----------|
| Member, Editorial Board, <i>Endocrine Disruptors</i> | 2013-2014 |
| Associate Editor, <i>Endocrine Disruptors</i> | 2014-2017 |
| Member, Editorial Board, <i>Reproductive Toxicology</i> | 2014- |
| Member, Editorial Board, <i>Environmental Health</i> | 2014- |
| Member, Editorial Board, <i>Environmental Health Perspectives</i> | 2017- |

PROFESSIONAL / SOCIETY MEMBERSHIPS

Member, Endocrine Society, 2006 - current
Member, Society for Developmental Biology, 2008 – 2014
Member, American Association for Laboratory Animal Science, 2016 – current