

Curriculum Vitae

Geert J. de Vries

Department of Biology
Georgia State University
Atlanta, GA 30302-5030
Tel (403) 413-5658 // Fax. +5446
Email: devries@gsu.edu

Positions

- **Professor**, Neuroscience Institute, Georgia State University, '12 – Present
- **Professor**, Dept. Psychology, University of Massachusetts, Amherst, '95-'12
- **Visiting Scholar**, Dept. Integrative Biology and Physiology, UCLA, '10
- **Associate Professor**, Dept. Psychology, University of Massachusetts, Amherst, '91- 95
- **Assistant Professor**, Dept. of Psychology, University of Massachusetts, Amherst, '87 -'91
- **Lecturer**, Dept. Psychobiology, University of California, Irvine, '87

Administration

At Georgia State University

- **Chair**, Department of Biology, '19 – Present
- **Associate Vice President for Research & Economic Development**, '17 – '19
- **Director**, Neuroscience Institute, '14 – '17
- **Director**, Brains and Behavior Area of Focus, '14 – '17

At the University of Massachusetts

- **Director**, Center for Neuroendocrine Studies, '01- '12
- **Director**, Training Program in Neuroendocrinology, '00 – '12
- **Head**, Behavioral Neuroscience Division of the Department of Psychology, '98-'04

Nationally and Internationally

- **President**, Organization for the Study of Sex Differences (OSSD), (2 years each for President-Elect, President, Immediate-past President) '10 – '16
- **Chair**, Program Committee, Theme E (Homeostatic and Neuroendocrine Systems), Society for Neuroscience, '08 – '10
- **President**, Society for Behavioral Neuroendocrinology, (2 years each for President-Elect, President, Immediate-past President) '03 – '09

Education

- **Postdoctoral Fellow**, Dept. Psychobiology, University of California Irvine, '85-'87
- **Ph.D.**, University of Amsterdam, Faculty of Medicine, '85
- **Doktoraal**, Free University, Amsterdam, *cum laude*. Major: Neuroscience, Minor: Biochemistry, '80
- **Kandidaats**, Free University, Amsterdam, *cum laude*. Majors: Biology and Medicine, Minors: Chemistry and Physics, '77

Honors

- **Scientific Expert Committee Member**, Horizon 2020 - European Commission, '18
- **Member**, NIH Advisory Committee on Research on Women's Health, '16 - present
- **Advisory Board Member**, Institute of Gender and Health, Canadian Institutes for Health Research, '14 -'16

- *Exceptional Merit Award*, University of Massachusetts, '12
- *Outstanding Research Award*, College of Natural Sciences, University of Massachusetts, '11
- *Distinguished Editorial Panel member*, National Institutes of Health, '09
- *Fellow of the International Behavioral Neuroscience Society*, '00
- *Independent Scientist Award*, National Institutes of Health, '03-'08 and '98 – '03
- *Lilly Teaching Fellow*, University of Massachusetts, '92 – '93

Affiliations

- Society for Neuroscience
- Society for Behavioral Neuroendocrinology
- Organization for the Study of Sex Differences
- International Behavioral Neuroscience Society

ADMINISTRATION

At Georgia State University

- **Associate Vice President for Research & Economic Development**, '17 – '19
 - Functions include improving structure for multi-disciplinary research projects, providing greater visibility to across-institution health-related programs, and participation in ongoing activities broadly related to the administration of the University.
 - Chaired monthly meetings of the Associate Deans of Research.
 - Contributed to tailoring Academic Analytics to Georgia State University's specific needs; this is a data-driven tool to analyze and benchmark academic strengths of university units to help administrative leaders to make strategic decisions.
 - Used data analytics to measure the impact of targeted 'Second Century Initiative,' 'Next Generation,' and other special hires, on the University's research portfolio.
 - Developed a work-flow for interactions of PIs and grant managers of the Office of Sponsored Proposals & Awards to facilitate submission of complex multi-PI grants.
 - Collaborated with the Office of the Associate Provost for Graduate Programs and the Office of Institutional Effectiveness to develop a system for data management and tabulation of information on trainees and preceptors required for multi-PI research training grants.
 - Submitted a T32 training grant to NIH, using this system.
 - Developed across-campus research interest focus groups, e.g., on opioid epidemic and health disparities
 - Contributed to the establishment of, and recruitment for, a new University Center (Center for Neuroinflammation and Cardiometabolic Disease), which was funded by a 'Next Generation' program that I led while being Director of the Neuroscience Institute.
 - Contributed to the conceptualization of a tri-institutional Atlanta Brain Health collaboration.
- **Director**, Neuroscience Institute (NI), '14 – '17
 - Coordinated neuroscience-related activities of 19 core faculty members and 54 associate faculty members spread over 11 departments and institutes.
 - Managed budget and reallocated funds to support the educational and research mission of the Institute.
 - Promoted submissions of collaborative research grants to increase overall funding rate of faculty
 - Successfully competed for a multi-disciplinary Next Generation program to enhance the medical relevance of NI's research portfolio. This program led to the launching of a new

University Research Center, the Center for Neuroinflammation and Cardiometabolic Disease, in 2018.

- Convened ad hoc milestones and curriculum committee to introduce changes in our graduate program in Neuroscience aimed at reducing the time to degree without sacrificing quality of education. – These changes were approved and have already reduced time to degree.
 - Presided over staff and faculty meetings.
 - Evaluated faculty achievements in research, teaching, and service.
 - Wrote Promotion and Tenure letters for NI core faculty.
 - Evaluated staff performance.
 - Recruited two Assistant Professors and one Full professor.
 - Recruited new Lecturer and Academic Professional to help manage sustained growth of the NI's undergraduate program in Neuroscience.
 - Successfully competed for an NIH IMSD R25 educational grant aimed at increasing underrepresented minorities in biomedical careers
 - Convened an *ad hoc* committee to generate a mission statement and re-write the bylaws. - New bylaws and mission statement were approved April 2016.
 - Successfully competed for Lab Tech Fee funds in FY 15, 16, and 17 (the first three for the NI) to enhance our undergraduate laboratory core class.
 - Worked with College Development Office to help extend the endowed 'Honeycutt fellowships' by five years.
 - Reorganized NI staff and instituted regular staff meetings to empower staff and increase morale.
 - Developed new staff / faculty committee structure to renew NI website and keep its content relevant, attractive, and aligned with the new College and University websites.
 - Participated in Academic Periodic Review of NI; Outside reviewers strongly praised the NI's status and endorsed the direction in which it is heading.
- **Director**, Brains and Behavior Area of Focus (B&B). '14 - 17
 - Coordinated interdisciplinary activities of faculty and students among 8 departments (Biology, Chemistry, Computer Science, Math, Neuroscience, Philosophy, Physics, and Psychology).
 - Restructured seed grant program to (1) enhance internal calibration in the reviewing process and (2) make this program more reliably target projects that will generate external funding.
 - Supervised educational programs at the undergraduate (Summer scholars) and graduate level (B&B fellowships).
 - Made B&B programs more cost-effective, e.g., by finding a new venue for annual retreat, and posting its quarterly 'The Potential' online, thereby reducing need for paper copies.

At University of Massachusetts at Amherst

- **Head**, Behavioral Neuroscience Division of the Department of Psychology, '98-'04 (also listed under Administration).
 - Ran faculty meetings, coordinated teaching schedules, set hiring priorities, and navigated space issues for a division with twelve to fourteen faculty members.
- **Director**, Center for Neuroendocrine Studies, '01- '12 (also listed under Administration).
 - Directed a group of 10 – 12 core faculty from Biology, Psychology, and Veterinary Sciences, and a similar number of adjunct faculty from UMass and regional Colleges.
 - Ran a biweekly 'Hormones for Breakfast' series, a highly successful forum for students, postdocs, and faculty to discuss their research and plans for grant proposals.
 - Hosted an international conference of the Society for Behavioral Neuroendocrinology, which attracted over 400 participants.

- Organized 8 Annual Symposia of the Center for Neuroendocrinology, which presented annually a slate internationally distinguished neuroendocrinologists.
- **Director**, Training Program in Neuroendocrinology, '00-'12 (also listed under Administration).
 - Wrote and administered T32 training program, Training in Neuroendocrinology, for advanced graduate students and postdoctoral fellows.
 - Developed a curriculum for advanced graduate students and postdocs.

National and International Societies

- **President**, Organization for the Study of Sex Differences (OSSD), '10 – 16
 - Served as President-elect, President, and Immediate Past President, each for two years, of an organization dedicated to bringing together clinical and basic researchers to study causes and consequences of sex differences in physiology and disease.
 - Guided transition of this organization from an entity run as part of the Society for Women's Health Research to an independently run and incorporated organization with official 501(c)(3) status.
 - Presided over Executive Board and Council meetings.
 - Staffed, and coordinated communication between, standing and ad hoc committees.
 - Coordinated organization of international meetings.
 - Established a strong financial reserve, by soliciting donations, raising membership fees, and charging registration fees for annual meeting.
 - Facilitated the OSSD serving as a forum for the NIH Office of Research on Women's Health and CIHR's Institute of Gender and Health to solicit feedback on institutional policy.
- **Chair**, 9th World Congress of Neurohypophysial Hormones, Boston, MA, '11
 - Convened and consulted with international scientific advisory committee.
 - Convened and chaired program committee.
 - Convened and chaired local organizing committee.
 - Raised funding for meeting from pharmaceutical companies and registration fees.
- **Chair**, Theme E (Homeostatic and Neuroendocrine Systems), Program Committee, Society for Neuroscience, (This is a meeting that attracts roughly 30,000 neuroscientists from around the world each year. Theme E is one of the six subject areas) '08 – '10
 - Selected symposia and mini-symposia for inclusion in the program.
 - Selected speakers for plenary talks.
 - Organized nano-symposia.
 - Accepted and sectioned poster presentations.
 - Re-defined the subfields of Theme E (e.g., inclusion of neuro-immunology under this theme).
 - Coordinated social events.
- **President**, Society for Behavioral Neuroendocrinology (SBN), '03 – '09
 - Guided transition of the SBN from an organization run largely by officers and a part-time secretary and using mainly mail-in services for membership and conferences issues, into a professionally run organization with all major functions web-based.
 - Presided over executive board and council meetings.
 - Staffed, and coordinated communication between, standing committees.
 - Convened ad hoc committee to oversee installation of a new interactive website.

RESEARCH

Research support

I raised over \$12 million as PI and over \$17 million in total, mostly from the National Institutes of Health and the National Science Foundation. Most recent research grants support collaborative projects between faculty in GSU's Neuroscience Institute and the Institute for Biomedical Sciences.

Federal Funding

Program Director / Principal Investigator on Educational and Training Grants

- NIH *educational grant*, 1R25GM109442, Georgia State University Initiative for Maximizing Student Development, \$1,002,755, Apr '16-Mar '21. **ACTIVE**
- NIH *institutional training grant*, T32 MH020051 (06-10), Training in Neuroendocrinology, \$935,649. Jul '06 -Jun '11.
- NIH *institutional training grant*, T32 MH020051 (01-05), Training in Neuroendocrinology, \$768,675. Jul '00 -Jun '05.

Principal Investigator on Research Grants

- NIH *research grant*, RO1 MH121603-01, Sex Differences in the Neural Control of Social Behavior. \$1,946,536. Multi-PI, Contact PI: De Vries. Dec '19-Oct '24. **ACTIVE**
- NIH *research grant*, 1R03MH120549, Neuropeptide receptor regulation of social communication, Multi-PI, Contact PI: Aras Petrulis. \$154,416. Jun'19-May'21. **ACTIVE**
- NIH *research grant*, 1R21MH111104, The Neuropeptide Architecture of Social Communication, \$416,625, Multi-PI, Contact PI: Aras Petrulis. Jul'17- Jun'19. **ACTIVE (in no-cost extension)**
- NIH *research grant*, 1R21MH108345, Microbiota and Neural Circuits controlling Social Behavior, \$275,000 (direct costs). Mar '16-Feb '19.
- NIH *research grant*, RO1 MH047538 (14-18), The Neural Basis of Sexually Dimorphic Brain Function. \$1,739,247. Jun '09-Jul '15.
- NSF *research grant*, IBN 9421658, Neural Basis of Social Behavior. \$360,000. Aug '08-Jul'11.
- NIH *Independent Scientist Award*, KO2 MH01497-06-10, The Neural Basis of Sexually Dimorphic Brain Function. \$610,900. Jun '03-May '08 (also listed under Honors).
- NIH *research grant*, RO1 MH047538 (09-13), The Neural Basis of Sexually Dimorphic Brain Function (supplement to fund underrepresented minorities). \$1,365,897. Jun '02-May '07.
- *Subcontract of NIMH grant RO1 MH59268*, Genetic Determinants of Brain Sexual Differentiation, PI: Arthur P. Arnold, UCLA, to Univ. Massachusetts. \$314,623. Jan '99-Dec '02.
- NIH *Independent Scientist Award*, KO2 MH01497-01-05, The Neural Basis of Sexually Dimorphic Brain Function. Projected total costs \$521,653. Jun '98-May '03. (also listed under Honors)
- NIH *research grant*, RO1 MH047538 (04-08), The Neural Basis of Sexually Dimorphic Brain Function, (included supplement to fund underrepresented minorities). \$1,018,151. Mar '95-Apr '01.
- NSF *research grant*, IBN 9421658, Neuropeptide Control of Steroid Hormone Sensitive Functions and Behaviors, \$323,734. Apr '95-Mar '98.
- NSF *supplement to grant*, IBN 9421658, for Research Experience for Undergraduates Students, \$5,000. Summer '97.
- NIH *research grant*, RO1 MH047538 (01-03), Neural Basis of Sexual Differentiation of Brain Function, \$454,544. Mar '91-Feb '95.

- *NSF research grant*, BNS 8809799, Neural Circuitry Mediating Steroid Effects on Behavior, \$240,000. Aug '88-Jul '91.
- *NIH Postdoctoral Fellowship*, MH09470-01, Hormone Effects on Brain Structure and Function. Jul '86-Jun '88. (also listed under Honors)

Co-Investigator on Educational and Research Grants

- *NSF research grant*, IOS-1557451, The Role of Parturition in Brain Development, \$658,970, Mar '16 – Feb '20, PI: Nancy Forger. **ACTIVE, in no cost extension**
- *NIH educational grant*, R25 MH095735-01A1, ION/Teach: The Institute On Neuroscience for High School Students and Teachers, \$543,240. Jul '12-Apr '17, PI: Kyle Frantz. **ACTIVE, in no cost extension**
- *NIH research grant* MH068482, Cell Death and Sexual Differentiation, \$1,645,413. Jun '09-May '15, PI: Nancy Forger.
- *NSF research grant*, IOS-0642050, Social Control of CNS Morphology in a Eusocial Mammal, \$365,991. August '07- July '11, PI: Nancy Forger.
- *NSF Small Grant for Exploratory Research*, IOS 0809914 (2008-2009) "SGER: Support of research involving captive spotted hyenas" \$200,000. All funds are used to maintain hyena colony at UC Berkeley Campus. Dec 2007-Nov 2009, Resources Grant, PI: Stephen E. Glickman.
- *NIH research grant*, R01 MH068482-01, Cell Death and Sexual Differentiation, \$1,002,121. Apr '04-Mar '08, Research Grant, PI: Nancy Forger.
- *NSF research grant*, IOS-0344312, Sexual Differentiation in Eusocial Mammals, \$402,491. Apr'04-Mar'08, PI: Nancy Forger.
- *NIH instrumentation grant S15 MH50998-01*, with Jerrold S. Meyer, Small Instrument. Grant \$21,446. direct costs, Sep '92-Aug '93.

Sponsor

- *NIH grant 5R36MH112369*, The Role of Intestinal Epithelial Tlr4 In Anxiety Behavior. \$82,892. Predoctoral research grant to Christopher Fields, May '17-Jan '19.
- *NIH grant F31 MH63603*, Neural Basis of Parental Behavior. \$50,028. Predoctoral NRSA grant to Benjamin Rood, Feb '02 –Jan '04.
- *NIH grant F31 MH11686*, Sexual Differentiation of Vasopressin Expression. \$52,962. Predoctoral NRSA grant to Tina M. Han, Aug '98-Jul '01.
- *NIH grant F32 HD08392*, Neural Control of Social Behaviors in Prairie Voles. Total cost final year \$81,336. Postdoctoral NRSA grant to Joseph S. Lonstein. Dec '97-Nov '00.

Intramural Funds and Foundations

- *Brains and Behavior Seed Grant*, Sexually Dimorphic Effects of Immune Challenge on Development of Social Behavior, \$30,000, Jul'13-Jun '14.
- *Faculty Research Grant*, Neural Basis of Parental Behavior, \$4,800, Dec '92-Dec '93.
- *BRSR*, RR07048-24, Role of lineage in determining neurotransmitter content and specific connections of developing neurons, \$5,000, Apr '89-Mar '90.
- *BRSR*, RR07048-22, Neural Basis of Sex Steroid Action on Brain Function and Behavior, \$5,000, Nov '87-Apr '88.
- *Van Houtenfonds* and *Adriaan Remmert van der Laan Fonds*, both to support publication thesis, Jan '85.
- *Twinning Grant of the European Training Program in Brain and Behavioral Research* (TW/84311), together with Per Södersten, Karolinska Institutet, Huddinge, Sweden, Jun '84.

Publications

I have published over 115 papers in refereed journals and over 25 chapters in books and book series, and I edited one book and two special issues for scientific journals. Research-related papers address development, function, and medical consequences of sex differences in the brain. Peer-reviewed policy commentaries and perspectives concern implications of such differences for federally funded research. According to Google Scholar, **my work has been cited over 14,400 times and my h index is currently 67** (<https://scholar.google.com/citations?user=SB-jltkAAAAJ&hl=en&oi=ao>).

Papers in Refereed Journals

1. Whylings J, Rigney N, Peters NV, de Vries GJ, Petrulis A. **2020**. Sexually dimorphic role of BNST vasopressin cells in sickness and social behavior in male and female mice, Brain, Behavior, and Immunity 83: 68-77.
2. Tran HQ, Mills RH, Peters NV, Holder MK, *de Vries GJ*, Knight R, Chassaing B, Gonzalez DJ, Gewirtz AT, **2019**. Associations of the fecal microbial proteome composition and proneness to diet-induced obesity, Molecular & Cellular Proteomics 18: 1864-1879
3. Holder MK, Peters NV, Whylings J, Fields CT, Gewirtz AT, Chassaing B, *de Vries GJ*. **2019**. Dietary emulsifiers consumption alters anxiety-like and social-related behaviors in mice in a sex-dependent manner. Sci Reports 9: 172.
4. Rigney N, Whylings J, Mieda M, *de Vries GJ*, Petrulis A. **2019**. Sexually dimorphic vasopressin cells modulate social investigation and communication in sex-specific ways. eNeuro 0415-18.2019.
5. Fields CT, Sampson TR2, Bruce-Keller AJ, Kiraly DD, Hsiao EY, *de Vries GJ*. **2018**. Defining Dysbiosis in Disorders of Movement and Motivation. J Neurosci 38: 9414-9422.
6. Paul MJ, Probst CK, Brown LM, *de Vries GJ*. **2018**. Dissociation of Puberty and Adolescent Social Development in a Seasonally Breeding Species. Current Biology 28: 1116-1123. e2 (*Featured on cover*).
7. Fields CT, Chassaing B, Castillo-Ruiz A, Osan R, Gewirtz AT, *de Vries GJ*. **2018**. Effects of gut-derived endotoxin on anxiety-like and repetitive behaviors in male and female mice. Biol Sex Diff 9:7 (*Highlighted by Editor in Chief*).
8. Tetel MJ, de Vries GJ, Melcangi RC, Panzica GC, O'Mahony SM. **2018**. Steroids, Stress, and the Gut Microbiome-Brain Axis. J Neuroendocrinology e12548.
9. Fields CT, Chassaing B, Paul MJ, Gewirtz AT, *de Vries GJ*. **2018**. Vasopressin deletion is associated with sex-specific shifts in the gut microbiome. Gut Microbes 9: 13-25.
10. Paul MJ, Peters NV, Holder MK, Kim AM, Whylings J, Terranova JI, *De Vries GJ*. **2016**. Atypical social development in vasopressin-deficient Brattleboro rats. eNeuro 0150-15.2016
11. Tannenbaum C, Schwarz JM, Clayton JA, *de Vries GJ*, Sullivan C. **2016**. Evaluating sex as a biological variable in preclinical research: the devil in the details. Biol Sex Diff 7:13.
12. *De Vries GJ*, Forger NG. **2015**. Sex differences in the brain: a whole body perspective. Biol Sex Diff 6: 15.
13. Klein SL, Schiebinger L, Stefanick ML, Cahill L, Danska JS, *de Vries GJ*, Kibbe MR, McCarthy MM, Mogil JS, Woodruff TK, Zucker I. **2015**. Opinion: Sex inclusion in basic research drives discovery. Proc Nat Acad Sci USA 112: 5257-5258
14. Shen EY, Ahern TH, Cheung I, Straubhaar J, Dincer A, Houston I, *De Vries GJ*, Akbarian S, Forger NG. **2015**. Epigenetics and Sex Differences in the Brain: A Genome-Wide Comparison of Histone-3 Lysine-4 Trimethylation (H3K4me3) in Male and Female Mice. Exp Neurol 268: 21-29
15. McCullough LD, *de Vries GJ*, Miller VM, Becker JB, Sandberg KL, McCarthy MM. **2014**. NIH initiative to balance sex of animals in preclinical studies: Generative questions to guide policy implementation and metrics. Biol Sex Diff 5:15.

16. Ghahramani NM, Ngun TC, Chen P.-Y, Tian Y, Krishnan S, Muir S, Rubbi L, Arnold AP, De Vries GJ, Forger NG, Pellegrini M, Vilain E. **2014**. The effects of perinatal testosterone exposure on the brain DNA methylome of the mouse brain are late-emerging. Biol Sex Diff 5:8
17. Paul MJ, Terranova JI, Probst CK, Ismail NI, *De Vries GJ*. **2014**. Sexually dimorphic role for vasopressin in the development of social play. Front Behav Neurosci 8: 58.
18. Veenema AH, Bredewold R, De Vries GJ. **2013**. Sex-specific modulation of juvenile social play by vasopressin. Psychoneuroendocrinology 38: 2554-2561.
19. Ahern TH, Krug S, Carr AV, Murray EK, Fitzpatrick E, Bengston L, McCutcheon J, *de Vries GJ*, Forger NG. **2013**. Cell death atlas of the postnatal mouse ventral forebrain and hypothalamus: Effects of age and sex. J Comp Neurol 521: 2551-2569.
20. Rood BD, Stott RT, You S, Smith CJ, Woodbury ME, *de Vries GJ*. **2013**. Site of origin of and sex differences in the vasopressin innervation of the mouse (*Mus musculus*) brain. J Comp Neurol 521: 2321-2358.
21. Taylor PV, Veenema AH, Paul MJ, Bredewold R, Isaacs S, *De Vries GJ*. **2012**. Sexually dimorphic effects of a prenatal immune challenge on social play and vasopressin expression in juvenile rats. Biol Sex Diff 3:15.
22. *De Vries GJ*, Veenema AH, Brown CH, **2012**. Vasopressin and oxytocin: Keys to understanding neural control of physiology and behavior. J Neuroendocrinol 24:527.
23. McCarthy MM, Arnold AP, Ball GF, Blaustein JD, *De Vries GJ* **2012**. Sex Differences in the Brain: The Not So Inconvenient Truth. J Neurosci 32: 2241-2247.
24. Veenema AH, Bredewold R, *De Vries GJ*, **2012**. Vasopressin regulates social recognition in juvenile and adult rats of both sexes, but in sex- and age-specific ways. Hormones and Behavior 61: 50-56.
25. Murray EK, Varnum MM, Fernandez JL, *De Vries GJ*, Forger NG. **2011**. Effects of neonatal treatment with valproic acid on vasopressin immunoreactivity and olfactory behaviour in mice. J Neuroendocrinol 23: 906-914.
26. Rood BD, *De Vries GJ*. **2011**. Vasopressin innervation of the mouse (*Mus musculus*) brain. J Comp Neurol 519: 2434-2474.
27. Forger NG, *De Vries GJ*. **2010**. Cell Death and the Sexual Differentiation of Behavior: Worms, Flies, and Mammals. Curr Opinion Neurobio 20: 776-778.
28. McCarthy MM, Auger AP, Bale TL, *De Vries GJ*, Dunn GA, Forger NG, Murray EK, Nugent BM, Schwarz JM, Wilson ME. **2009**. The epigenetics of sex differences in the brain. J Neurosci 29: 12815-12823.
29. Murray EK, Hien A, *De Vries GJ*, Forger NG. **2009**. Epigenetic control of sexual differentiation of the BNSTp of mice. Endocrinology 150: 4241-4247.
30. De Vries GJ, Södersten P. **2009**. Sex differences in the brain: The relation between structure and function. Hormones and Behavior 55: 589-596.
31. Rosen GJ, *De Vries GJ*, Goldman SL, Goldman BD, Forger NG. **2008**. distribution of oxytocin in the brain of a eusocial rodent. Neuroscience 155: 809-817.
32. *De Vries GJ*, Jardon D, Reza M, Rosen GJ, Immerman E, Forger NG. **2008**. Sexual differentiation of vasopressin innervation of the brain: cell death versus phenotypic differentiation. Endocrinology 149: 4632-4637.
33. Rood BD, Murray EK, Laroche J, Yang MK, Blaustein JD, *De Vries GJ*. **2008**. Absence of progesterin receptors alters distribution of vasopressin fibers but not sexual differentiation of vasopressin system in mice. Neuroscience 154: 911-921.
34. Holmes MM, Rosen GJ, Jordan CL, *De Vries GJ*, Goldman BD, Forger NG. **2007**. Social control of brain morphology in a eusocial mammal. Proc Nat Acad Sci USA, 104: 10548-10552.
35. Hayes UL, *De Vries GJ*. **2007**. Role of pregnancy and parturition in induction of maternal behavior in prairie voles (*Microtus ochrogaster*). Hormones and Behavior, 51: 265-272.
36. Rosen GJ, *De Vries GJ*, Goldman SL, Goldman BD, Forger NG. **2007**. Distribution of vasopressin in the brain of the eusocial naked mole-rat. J Comp Neurol, 500: 1093-1105.
37. *De Vries GJ*, McCarthy MM. **2006**. Translational research in Behavioral Neuroendocrinology. Hormones and Behavior 50: 503.

38. Rosen GJ, *De Vries GJ*, Villalba C, Weldele ML, Place NJ, Coscia EM, Glickman SE, Forger NG. **2006**. The distribution of vasopressin in the forebrain of spotted hyenas, J Comp Neurol 498: 80-92.
39. *De Vries GJ*. **2005**. Sex steroids and sex chromosomes at odds? Endocrinology 146: 3277-3279.
40. *De Vries GJ*, Panzica GC. **2006**. Sexual differentiation of central vasopressin and vasotocin systems in vertebrates: different mechanisms, similar endpoints. Neuroscience 138: 947-955.
41. Lonstein JS, Rood BD, *De Vries GJ*. **2005**. Unexpected effects of perinatal gonadal hormone manipulations on sexual differentiation of the extrahypothalamic arginine-vasopressin system in prairie voles. Endocrinology 146: 1559-1567.
42. Forger NG, Rosen GJ, Waters EM, Jacob D, Simerly RB, *de Vries GJ*. **2004**. Deletion of Bax eliminates sex differences in the mouse forebrain. Proc Nat Acad Sci USA 101:13666-13671.
43. *De Vries GJ*. **2004**. Sex differences in adult and developing brains; compensation, compensation, compensation. Endocrinology, 145: 1063-1068.
44. Wagner CK, Xu J, Pfau JL, Quadros PS, *De Vries GJ*, Arnold AP. **2004**. Neonatal mice possessing an Sry transgene show a masculinized pattern of progesterone receptor expression in the brain independent of sex chromosome status. Endocrinology 145: 1046-1049.
45. Lonstein JS, Dominguez JM, Putnam SK, *De Vries GJ*, Hull EM. **2003**. Intracellular preoptic and striatal monoamines in pregnant and lactating rats: possible role in maternal behavior. Brain Res 970: 149-158.
46. Markham JA, Jurgens HA, Auger CJ, *De Vries GJ*, Arnold AP, Juraska JM. **2003**. Sex differences in mouse cortical thickness are independent of the complement of sex chromosomes. Neuroscience 116: 71-75.
47. Han TM, *De Vries GJ*. **2003**. Organizational effects of testosterone, estradiol, and dihydrotestosterone on vasopressin mRNA expression in the bed nucleus of the stria terminalis. J Neurobiol 54: 502-510.
48. *De Vries GJ*, Rissman EF, Simerly RB, Yang LY, Scordalakes EM, Auger CJ, Swain A, Lovell-Badge R, Burgoyne PS, Arnold AP. **2002**. A model system for study of sex chromosome effects on sexually dimorphic neural and behavioral traits. J Neurosci 22: 9005-9014.
49. Quadros PS, Goldstein AYN, *De Vries GJ*, Wagner CK. **2002**. Regulation of sex differences in progesterone receptor expression in the medial preoptic nucleus of postnatal rats. J Neuroendocrinol 14:761-767.
50. Auger CA, *De Vries GJ*. **2002**. Progesterone receptor immunoreactivity within steroid-responsive vasopressin-immunoreactive cells in the male and female rat brain. J Neuroend, 14: 561-567.
51. Quadros PS, Pfau JL, Goldstein AYN, *De Vries GJ*, Wagner CK. **2002**. Sex differences in progesterone receptor expression: A potential mechanism for estradiol-mediated sexual differentiation. Endocrinology 143:3727-3739.
52. Quadros PS, Lopez V, *De Vries GJ*, Chung WCJ, Wagner CK. **2002**. Progesterone receptors and the sexual differentiation of the medial preoptic nucleus. J Neurobiol 51: 24-32.
53. Lonstein JS, Rood BD, *De Vries GJ*. **2002**. Parental responsiveness is feminized after neonatal castration in virgin male prairie voles, but is not masculinized by perinatal testosterone in virgin females. Hormones and Behavior 41: 80-87.
54. Chung WCJ, *De Vries GJ*, Swaab DF. **2002**. Sexual differentiation of the bed nucleus of the stria terminalis in humans may extend into adulthood J Neurosci 22: 1027-1033.
55. Wagner CK, Pfau JL, *De Vries GJ*, Merchenthaler IJ. **2001**. Sex differences in progesterone receptor immunoreactivity in neonatal mouse brain depend on estrogen receptor alpha expression. J Neurobiol 47: 176-182.
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Letters / Invited book reviews

144. McCullough LD, McCarthy MM, *de Vries GJ*. **2014**. NIH policy: Status quo is also costly. Nature 510: 340
145. *De Vries GJ*, Arnold AP, Ball GF, Balthazart J, Baum MJ, Forger NG, Mani S, McCarthy MM, Micevych P, Rissman E, Vilain E, Wallen K, 2007, The Gay Sheep and Sound Science. Letter to the Editor. New York Times, Jan 30.
146. *De Vries GJ*. **2014**. "Oxytocin, Vasopressin and Related Peptides in the Regulation of Behavior" edited by Elena Choleris, Donald W. Pfaff, and Martin Kavaliers. ix + 393 pp. Cambridge, UK: Cambridge University Press. 2013. \$110.00 (cloth), \$88.00 (ebook). Am J Human Biol 26: 434-43.
147. *De Vries GJ*. **1994**. "Hormones and behavior" Review of Behavioral Endocrinology, edited by Jill B. Becker, S. Marc Breedlove, and David Crews. Contemp Psychol 39: 752-754.

Book / Special Issues edited

148. World Congress on Neurohypophysial Hormones, 2011, GJ de Vries, AH Veenema and CH Brown (eds.) Special Issue of Journal of Neuroendocrinology, Vol. 24 (4), 197pp.
149. Translational Topics in Behavioral Neuroendocrinology, 2006, GJ de Vries and MM McCarthy (eds.) Special Issue of Hormones and Behavior, Vol. 50 (4), 152 pp.
150. Sex Differences in the Brain. Relation between Structure and Function, 1984, GJ De Vries, JPC De Bruin, HBM Uylings, MA Corner (eds.) Progress in Brain Research, Vol. 61, Elsevier, Amsterdam (1984), 517pp.

Invited Presentations

- *International Society of Gender Medicine congress 2019*, Vienna, Austria, Sep 13, '19
- *University of Cordoba*, Ferreira Institute, Cordoba, Argentine, Oct 1, '19
- *Keynote address, Sexposium*, Toronto, Jun 29, '18
- *University of Toronto*, Department of Psychology, Mississauga, Jun 27, '18
- *Florida State University*, Biomedical Sciences Seminar Series, Feb 7, '18
- *12th World Congress on Neurohypophysial Hormones - WCNH 2017*, Mangaratiba - RJ, Brazil, Jul 28, '17

- *Symposium on Reproductive Neuroendocrinology*, Ctr Neuroendocrine Studies, U Massachusetts, Amherst, May 19, '17
- The Third Annual Sociogenomics RCN, Atlanta, GA, May 6, '17
- *Sex Differences: From Neuroscience to the Clinic & Beyond*, Ctr Behavioral Neuroscience, American U, Apr 20, '17
- *Lanzhou University*, Department of Chemistry, Lanzhou, China, Apr 11, '17
- *Hebei University*, College of Education, Baoding, China, Apr 13, '17
- *Weizmann Institute of Science*, Dept of Neurobiology, Rehovot, Israel, Nov 9, '16
- *Ohio State University, Institute for Behavioral Medicine Research*, Dec 7, '16.
- *Neuroscience Seminar Series*, University of Georgia, Athens, GA, Oct 6, '16.
- *Föhr Colloquium*, Ferring Pharmaceuticals, Föhr, Germany, Sep 30, '16.
- *The Dyslexia Foundation Extraordinary Brain Symposium XV on 'the Geschwind - Galaburda Hypothesis 30 years later*. St. Croix, Virginia Islands, Jun 21, '16
- *Charles H. Sawyer Distinguished Lecture*, UCLA joint seminars in Neuroscience, Mar 29, '16
- *Florida Atlantic University*, Neuroscience Program, Jupiter, FL, Feb 23, '16
- *International Congress of Gender Medicine*, Berlin, Germany, Sep 23, '15
- *8th International Meeting Steroids and Nervous System*, Torino, Italy, Feb 15, '15
- *North Carolina State Univ*, Dept of Biological Sciences, Raleigh, NC, Dec 4, '14
- *Experimental Design: Integrating Sex & Gender into the Rodent Model*, Gendered Innovations Workshop, Stanford U, Sep 19, '14
- *Gender-Specific Medicine & Women's Health Symposium*, Laura W. Bush Institute for Women's Health, Texas Tech U Health Sciences Center, Lubbock, TX, Oct 24, '14
- *8th Conference of Hormones, Brain, and Behavior*, Liege, Belgium, Jun 25, '14
- *Tulane U*, Neuroscience Program, New Orleans, LA, Oct 31, '13
- *10th World Congress on Neurohypophysial Hormones*, Bristol, UK, Jul 18, '13
- *Emory U*, Frontiers in Neuroscience Seminar Series, Atlanta, GA, Mar 8, '13
- *Emory U*, Department of Physiology, Atlanta, GA, Nov 8, '12
- *Genes, Drugs and Gender*, U Sassari, Sassari, It, Sep 23, '11
- *Epigenetics, Behavior and Reproduction*, U Virginia, Charlottesville, VA, Apr 22, '11
- *U Maryland School of Medicine*, Dept of Pharmacology, Baltimore, MD, Apr 12, '11
- *Netherlands Institute for Brain Research*, Amsterdam, Jun 18, '10
- *International Conference of Endocrinology*, Kyoto, Japan, Mar 27, '10
- *RIKEN Brain Institute*, Wako City, Saitama, Japan, Mar 25, '10
- *UCLA, LNE Program*, Dept of Integrative Biology and Physiology, Feb 5, '10
- *7th Symposium Neuroendocrinology, 'De Neuroendocrinologie van Eten en Drinken,'* Utrecht, The Netherlands, Nov 11, '09
- *Workshop on Sex Differences Caused by Direct Sex Chromosome Effects vs. Hormones: Designing and Interpreting Studies from Mouse and Human Models. 13th Meeting of the Society for Behavioral Neuroendocrinology*, East Lansing, MI, Jun 24, '09.
- *7th Conference of Hormones, Brain, and Behavior*, Torino, Italy, Feb 13, '09
- *13th Meeting of the European NeuroEndocrine Association*, Antalya, Turkey, Oct 18, '08
- *Sapporo Medical U*, Dept of Urology, September 13, '08
- *BIRCWH Program*, Harvard U, Brigham and Women's Hospital, Boston, MA, May 15, '08
- *Animal Behavior Month*, Dept Biological Sciences, Miami U, Oxford, OH, Apr 17, '08
- *'08 Workshop on Steroid Hormones and Brain Function*, Key Largo, FL, Apr 11, '08
- *Plenary Lecture at 7th World Congress on Neurohypophysial Hormones*, Regensburg, Germany, Sep 19, '07
- *Annual Meeting of the International Academy of Sex Research*, Vancouver, CA, Aug 9, '07
- *12th European Neuroendocrine Association*, Athens, Greece, Oct 23, '06
- *88th Annual Meeting of the Endocrine Society*, Endo '06, Boston, MA, June 25, '06
- *36th Annual Conference of Behavior Genetics Association*, Storrs, CT, June 23, '06
- *Michigan State Univ.*, Neuroscience Program, April 21, '06
- *31st Annual Meeting of the American Society for Andrology*, Chicago, IL, April 11, '06
- *Emory Univ.*, Frontiers in Neuroscience Seminar Series, Mar 9, '06

- *Karolinska Institutet*, Postgraduate Course in Neuroendocrinology, Stockholm, Nov 7, '05
- *Harvard Univ.*, Radcliffe Institute for Advanced Study Exploratory Seminar; Understanding the Genetics of Sex Effects in Clinical Medicine, Cambridge, MA, Sep 19, '05
- *National Science Foundation Workshop*, Rodents as Integrative Models in Animal Behavior, Arlington, VA, Aug 14, '05
- *15th International Congress on Comparative Endocrinology*, Boston, May 27, '05
- *3rd Intl Meeting on Steroids and Nervous System*, Villa Gualino, Torino, IT, Feb 17, '05
- *Concordia U*, Ctr for Studies in Behavioral Neurobiology, Montreal, CA, Nov 18, '04
- *Northwestern U*, Ctr for Reproductive Science, Evanston, IL, Nov 8, '04
- *Harvard U*, Brigham and Women's Hospital, Boston, MA, Oct 13, '04
- *Café Scientifique*, Organized by "New Scientist" Red Line Bar, Boston, MA, Sep 28, '04
- *Symposium on Neural Basis of Social Behavior*, XIX International Congress of Zoology, Beijing, Aug 23, '04
- *Workshop on Steroid Hormones*, Breckenridge, CO, Mar 31, '04
- *Fifth Annual Meeting on Sex and Gene Expression*, Society for Women's Health Research, Winston Salem, NC, Mar 26, '04
- *Cornell U*, Dept Neurobiology & Behavior, Ithaca, NY, Mar 11, '04
- *Dalhousie U*, Halifax, NS, Aug 7, '03
- *American Neuroendocrine Society*, Workshop on the Neuroendocrinology of Development, Philadelphia, Jun 16, '03
- *Netherlands Institute for Brain Research*, Jan 16, '03
- *Skidmore College*, Biology Dept, Saratoga Springs, NY, Apr 4, '02
- *Workshop on Steroid Hormones*, Breckenridge, CO, Mar 22, '02
- *Baker Research Seminar*, Florida State U, Tallahassee, FL, Nov 8, '01, Florida State Univ., Tallahassee, FL, Nov 7, '01
- *Univ. California, Berkeley*, Neuroscience Program, Berkeley, CA, Aug 31, '01
- *American Neuroendocrine Society Meeting*, Neuroendocrine Workshop on Hormones, Mood and Behavior, Breckenridge, CO, Jun 17, '01
- *Winter Conference on Brain Research*, Steamboat Springs, CO, Jan 21, '01
- *Arizona State U*, Dept Biology, Tempe, AZ, Dec 1, '00
- *Shriver Center for Mental Retardation*, Waltham, MA, Nov 28, '00.
- *Tufts U*, Dept of Biomedical Sciences, North Grafton, MA, Sep 7, '00
- *Emory U*, 1st Colloquium of the Center for Behavioral Neuroscience, Atlanta, GA, Feb 15, '00
- *U Connecticut*, Dept Physiology and Neuroscience, Storrs, CT, Nov 10, '99.
- *U Maryland*, Dept Biology, College Park, MD, Nov 18, '99.
- *U Virginia*, Neuroscience Program, Charlottesville, VA, Sep 21, '99
- *Third Conference of Society for Behavioral Neuroendocrinology, Presidential Symposium*, Charlottesville, VA, Jun 28, '99
- *51^o Congresso Nazionale della Societa Italiana de Antomia*. Torino, Sep 28- Oct 2, '97
- *Neural Systems and Behavior Course*, Marine Biological Laboratory, Woods Hole MA. Aug 14, '96
- *Behavioral and Cognitive Neuroscience Summerschool*, Groningen, The Netherlands, Jul 1-5, '96
- *Conference on Reproductive Behavior*, Montreal, Canada, Jun 15-18, '96
- *U Pennsylvania*, Institute for Neurological Sciences, Philadelphia, PA Jan. 24, '96
- *N.Y. Acad. Sci. Conf. on 'The Integrative Neurobiology of Affiliation.'* March 14-17, Washington, DC, '96
- *Loyola U*, College of Medicine Dept. Cell Biol, Neurobiol. & Anat., Maywood, IL, Sept. 25, '95
- *Boston College*, Dept Psychology, Chestnut Hill, MA, Mar, '95
- *Winter Conference on Brain Research*, Steamboat Springs, CO, Jan 21-28, '95
- *Harvard Medical School*, New England Regional Primate Research Center, Southboro, MA, Sep 16, '94
- *Conference in Reproductive Behavior*, Workshop on Neuroanatomical Techniques, Lehigh Univ., June 18-22, '94
- *Neuropeptide Summer Conference*, Martha's Vineyard, June 5-9, '94

- *European Winter Conference for Brain Research*, Aime la Plagne, France, Mar 17, '94
- *Netherlands Institute for Brain Research*, Amsterdam, NL, Mar 11, '94
- *Univ. Massachusetts, Medical School*, Dept Psychiatry, Worcester, MA, Feb 3, '94
- *Rutgers U*, Institute of Animal Behavior, Newark, NJ, Oct 27, '93
- *5th Annual Convention of the American Psychological Society*, Invited symposium on the Proximate Causes of Parental Care, Chicago, IL, Jun 28, '93
- *Boston Area Behavioral Neuroscience Study Group*, Key note address, Holy Cross College, Worcester, MA, Apr 15, '93
- *Lilly Research Laboratories*, Lilly Corporate Center, Indianapolis, Nov 6, '92
- *Great Lake Fishery Committee Workshop* on Sexual Differentiation, Chicago, Ill, Mar 29, '92
- *Yale Univ.*, Dept. Obstetrics and Gynecology, New Haven, CT, Nov 1, '91
- *N.Y. Acad. Sci. Conf. on 'Oxytocin in Maternal, Sexual and Social Behaviors'*. May 20-22, Arlington, VA, '91
- *Lehigh Univ.*, Dept. Psychol, Bethlehem, PA, Jan 25, '91
- *Univ. Kentucky*, Dept. Anatomy, Lexington, KY, Mar 14, '91
- *H.F. Guggenheim Foundation Workshop* on "The Neural Basis of Aggressive Behaviors; Appraisal of our Current Insights and Methods", Seville, Spain, Nov 12-16, '90
- *Michigan State Univ.*, Neuroscience Program, East Lansing, MI, Oct. 4, '90
- *U Connecticut*, Dept. Physiol. and Neuroscience, Storrs, CT, Oct. 3, '90
- *22nd Meeting of European Neuroscience Association*, Stockholm, Sweden, Sept. 11, '90
- *Georgia State U*, Dept. of Biology, Atlanta, GA, Jan 12, '89
- *International Symposium on Hormones, Brain and Development*, Liege, Belgium, Aug 17, '89
- *21st Int. Meeting of the Soc. Develop. Psychobiol.*, Symp. on Steroid Effects on Brain Dev., Toronto, Nov. 12, '88
- *Boston U*, Dept. of Biology, Boston, MA, Mar 30, '88
- *Smith College*, Dept. of Psychology, Northampton, MA, Feb 11, '88
- *California Institute of Technology*, Div. of Technology, Pasadena, Jun 2, '87
- *Northwestern U*, Dept. of Neurobiology and Physiology, Evanston, IL, Apr 16, '87
- *Rutgers U*, Dept. of Biological Sciences, Piscataway, NJ, Mar 25, '87
- *U Maryland*, Dept. of Zoology, College Park, Mar 24, '87
- *U Massachusetts*, Dept. of Psychology, Amherst, Mar 9, '87
- *Oregon State U*, Dept. of Zoology, Corvallis, Mar 5, '87
- *U California at Berkeley*, Dept. of Psychology, Mar 4, '87
- *National Institute of Mental Health*, Bethesda, MD, Jan 29, '87
- *UCLA*, Depts of Anatomy and Psychology, Apr 18, '86
- *Rutgers U*, Institute of Animal Behavior, Newark, NJ, Feb 25, '86
- *Loma Linda U*, Dept. of Physiology, Loma Linda, CA, Oct 3, '85
- *Cornell U*, Depts. of Veterinary Medicine and Psychology, Ithaca, NY, Oct 17, '84
- *Rockefeller U*, New York, Oct 2, '84
- *U Groningen*, Dept. of Zoology, The Netherlands, Feb 21, '84
- *13th International Summer School of Brain Research*, Amsterdam, The Netherlands, Aug 23, '83
- *Erasmus U*, Dept. of Endocrinology, Growth and Development, Rotterdam, The Netherlands, Jul 21, '83
- *UCLA*, Dept. of Anatomy, Mar 25, '83
- *The Salk Institute*, La Jolla, California, Mar 24, '83
- *International Symposium on Sexual Differentiation*, Carmel, CA, Mar 24, '83
- *Congress on Integrative Neurohumoral Mechanisms*, Budapest, Hungary, Mar 25, '82
- *U Bristol*, Dept. of Pharmacology, UK, Feb 2, '82
- *Dutch Society for Endocrinology*, Utrecht, The Netherlands, Oct 18, '80

TEACHING AND MENTORING

Most of my postdocs and about half of my graduate students have moved on to academic positions. I have developed and taught a variety of courses at the undergraduate and graduate level, ranging from large lecture courses with over 350 students, to more intimate seminars and laboratory courses. My teaching evaluations have been consistently high.

Postdocs advised

- Zuoxin Wang, Jun '91-Nov '93, *Professor*, Florida State U, Tallahassee, FL
- Christine Wagner, Jun '96-Sep '97, *Professor and Chair*, U Albany, Albany, NY
- Joseph Lonstein, Jun '97-'00, *Professor*, Michigan State U (Winner Frank A. Beach Award).
- Unja Hayes, Jun '03-'05, *Health Research and Technology Advisor*, United States Agency International Development.
- Thomas Mennella, Jan '06-Aug '08, *Associate Professor*, Bay Path College, Springfield, MA.
- Alexa F. Veenema, Jan '09- Jul '10, *Assistant Professor*, Boston College, Boston, MA
- Matthew P. Paul, Jun '10 – Aug '14, *Assistant Professor*, U Buffalo, Buffalo, NY
- Nafissa Ismail, Jan '11 – June '12, *Assistant Professor*, U Ottawa, Ottawa, Ont, Canada
- Mary C. Holder, Aug '14 – Dec '17, *Academic Professional*, Georgia Tech, Atlanta, GA.

Ph.D. dissertations directed

- Bradley J. Crenshaw, Dec '92, *Neuropsychologist, Adjunct Assistant Professor*, U Massachusetts
- Maryam Bamshad, Mar '93, *Associate Professor*, Lehman College (after postdoc at GSU)
- Hussien A. Al-Shamma, Apr '93, *President and CEO*, Beacon Discovery Inc., San Diego, CA (after postdoc at UCLA)
- Thomas P. Goodness, Sep '94, *Senior Contracts Advisor*, Cornell U, (after postdoc and Law School at U Kentucky)
- Catherine J. Auger, Mar '99, *Assistant Professor and later Neurobiology Coordinator*, U Wisconsin (after postdoc at Johns Hopkins U)
- Constanza Villalba, Oct '99, *Director of Point of Care Products*, Elsevier Clinical Solutions, Boston, MA
- Patricia A. Boyle, Apr '00, *Associate Professor*, Rush U Medical Center in Chicago (after postdoc at Brown U and assistant professorship at Boston U)
- Tina M. Han, Oct '01, *Molecular Applications Scientist* at Ibis Biosciences/Abbott Molecular (after postdoc at U California, Berkeley)
- Wilson C.J. Chung, July, '02, *Associate Professor*, Kent State U, Kent, OH
- Benjamin D. Rood, Dec '09, *Postdoctoral Researcher*, Harvard U, Cambridge, MA
- Elaine K. Murray, Mar '10, *Lecturer*, U Ulster, Belfast, Northern Ireland
- Christopher T. Fields, May '19, *Postdoctoral Researcher*, Yale U, New Haven, CT
- Nicole V. Peters, Current graduate student
- Jack Whylings, Current graduate student

Courses taught

At Georgia State University

- Graduate Courses: NEUR 8600 - Responsible Conduct of Research, Fall '15 and '16; NEUR 8790 – Topics in Neuroscience, Neuroimmunology, Spring '14; NEUR 8790 - Concepts in Neurobiology, Sexual Differentiation of the Brain – a Whole Body Perspective, Fall 2013; NEUR 8710 -Topics in Neuroscience, Neuroimmunology, Fall '12.

At the University of Massachusetts

- Graduate Courses: Core Class of the Neuroscience and Behavior Program on Anatomy, Physiology, and Behavior (includes lab); Neuroanatomical Basis of Behavior (includes lab).
- Graduate/Undergraduate Seminars: On variety of topics, for example: Neuroimmunology, Stress, Epigenetics & Behavior; Epigenetic Control of Brain Development; Cell Death and Differentiation; Landmark Papers in Sexual Differentiation; Landmark Papers in Neuroendocrinology, Neuropeptides and Cytokines.
- Undergraduate Lecture Courses: Behavioral Neuroscience; Emotion and Motivation.
- Undergraduate Laboratory Courses: Laboratory in Physiological Psychology; Laboratory in Neuroanatomical Methods.
- Workshop on Grant writing; independent study/honors thesis supervision; modules in ethics courses.

At Smith College

- Undergraduate Seminar: Psychobiology.

At UC Irvine

- Undergraduate lecture courses: Physiological Basis of Behavior; Animal Behavior.

SERVICE

Departmental Service at Georgia State University

- Neuroscience Institute Graduate Program Ct, '12 - '14
- Individual Faculty Promotion and Tenure Ct, '12 and '13

Interdepartmental Service at Georgia State University

- **Executive Board** of Molecular Basis of Disease Area of Focus, '15 - Present
- Ad hoc Committee to Establish Governance Policy of College Core Facilities, '15 - Present
- Senior Leadership Committee of the Center for Behavioral Neuroscience, '12 – Present
- Laboratory Safety Committee, '14
- Grants and Contracts Officer III Search Ct, '12

Departmental Service at the University of Massachusetts

- **Chair** of faculty Search Committees '04-'05, '02-03
- **Executive Committee** of Department of Psychology, '98-'04
- **Personnel Committee**, '07-'09, '98-'99, '95-'97, '92-'94
- Undergraduate Advising Staff, '91-'93
- Graduate Admissions Committee for Division 1, '90-'93
- Graduate Affairs, '89-'90
- Research Trust Fund Committee, '88-'89 and '90-91

Interdepartmental Service at the University of Massachusetts

- **Chair** NSB Colloquium Committee, '87-'90, '98-'99
- **Chair** NSB Graduate Student Admissions Committee, '91-'94

- **Steering Committee** of Graduate Program in Neuroscience and Behavior, '98-00 and 02-'06
- **Steering Committee** of Graduate Program in Molecular and Cellular Biology, '92-95
- **Steering Committee** UMass Genomics Facility, '03-'06
- Neuroscience and Behavior Graduate Program Admissions Committee, '07-'08
- IACUC committee '04-'06
- Research Council SBS '04-'05
- NSB Curriculum Committee, '98-'99
- Senate Committee on Teaching Evaluation and Improvement, '88-'91
- NSB Curriculum Committee, '88

National and International Service

- **President**, Organization for the Study of Sex Differences (OSSD), '10 – '16*
- **Chair**, Theme E (Homeostatic and Neuroendocrine Systems), Program Committee, Society for Neuroscience, '08-'10*
- **President**, Society for Behavioral Neuroendocrinology, '03-'09*
- **Chair**, of Inaugural Nominations Committee of Organization for the Study of Sex Differences (OSSD), 05-'06
- Member, Scientific Expert Committee Member, Horizon 2020 - European Commission, 10/05/18**
- Member, NIH Advisory Committee on Research on Women's Health, '16 - present** (This committee advises NIH's Office of Research on Women's Health on public health initiatives, policy directives, and federal funding programs in the U.S.A.)
- Advisory Board Member, Institute of Gender and Health, Canadian Institutes for Health Research, '14 - '16** (This board advises CIHR's Institute of Gender and on public health initiatives, policy directives, and federal funding programs in Canada)
- *Ad hoc* Reviewer for National Institute of Mental Health Board of Scientific Counselors (BSC), 02/03-04/15
- International Advisory Committee for the 10th World Congress on Neurohypophysial Hormones, '12-'13
- National Institute of Mental Health, Research Domain Criteria Project Workshop on Systems for Social Processes, 02/26-28/12.
- Program Committee, 6th annual meeting of OSSD, '11-'12.
- *Ad hoc* Reviewer for National Institute of Mental Health Board of Scientific Counselors (BSC), 05/09-10/11.
- Program Committee, Society for Neuroscience, '07-'10.
- International Advisory Committee for 8th World Congress on Neurohypophysial Hormones, '08-'09.
- *Ad hoc* Reviewer for National Institute of Mental Health Board of Scientific Counselors (BSC), 05/ 07-08, '06.
- Member, Inaugural OSSD Conference Program Committee, 05-'06.
- Program Committee, Sex and Gene Expression (SAGE VI) Meeting, Society for Women's Health Research, '04-'05.
- Conference Program Committee, Society for Behavioral Neuroendocrinology, '97-'99.
- Steering Committee North East Undergraduate/Graduate Research Organization for Neuroscience (N.E.U.R.O.N.), '97-'99.
- International Behavioral Neuroscience Society, Public Relations Committee, '94-'96.

* also listed under Administration.

** also listed under Honors

Meetings organized and chaired

- Symposium on Sex-specific Targeting of Kidney Function in Children, Adults, and the Elderly: From Genes to Policy, Annual Meeting of the Organization for the Study of Sex Differences, Minnesota, MN, May 17, 2017.
- Presidential Symposium on Sex Differences in the Brain, a Whole Body Perspective, Annual Meeting of the Organization for the Study of Sex Differences, Minnesota, MN, Apr 24, 2014.
- 9th World Congress on Neurohypophysial Hormones, Boston, MA, Jul 27-30, '11.
- 7th Conference of Hormones, Brain, and Behavior, Torino, Italy, Feb 13, '09.
- 1st, 3rd, 4th, 5th, 6th, 7th, 8th, 9th, 10th, 11th, and 12th Annual Symposium of the Center for Neuroendocrine Studies, Amherst, MA, Oct 9, '98, Oct 6, '00, Oct 5, '01, Oct 4, '02, Oct 3, '03, Oct 8, '04, Oct 7, '05, Oct 6, '06, Oct 5, '07, Oct 10, '08, Oct 22, '10, and Oct 21, '11.
- Symposium on Neural Control of Social Behavior. Annual Conference of the Society for Behavioral Neuroendocrinology, Groningen, The Netherlands, Jul 9, '08.
- Presidential Symposium on "Sex Differences in the Brain; When Different becomes the Same," Annual Conference of the Society for Behavioral Neuroendocrinology, Pittsburgh, PA, Jun 18, '06.
- Symposium on 'Neural Control of Social Behaviours,' at the XIXth International Congress of Zoology, Beijing, Aug 23, '04.
- 6th Annual Meeting of the Society for Behavioral Neuroendocrinology, Amherst, MA, Jun 26-29, '02 (local host together with Nancy Forger).
- Session on 'Four Pillars of Sexual Differentiation,' Workshop on Steroid Hormones, Breckenridge, CO, Mar 27, '02.
- Symposium on Cellular and Molecular Mechanisms of Sexual Differentiation of the Brain. Annual Conference of the Society for Behavioral Neuroendocrinology, Tempe, AZ, Jun 29, '01.
- 13th International Summer School of Brain Research on Sex Differences in the Brain. Relation between Structure and Function. Amsterdam, NL, Aug 22-26, '83.

Grant review

- Neuroendocrinology, Neuroimmunology, Rhythms and Sleep (NNRS) Study Section Member, *National Institutes of Health*. (Panel meets three times per year.) 07/12 – '07/16.
- RO1 / RO3 / R23 Grant Review, NNRS panel, *National Institutes of Health*, 10/5-6/11
- Training Grant (T32) review panel, NIMH ZMH 1 ERB-S (01), *National Institutes of Health*, 10/20/10
- Training Grant (T32) review panel, NIMH ZMH 1 ERB C-01, *National Institutes of Health*, 11/16/09 and 12/11/09
- Review panel, Modulation Panel, Neural Systems Cluster, *National Science Foundation*, 10/5-7/09
- Distinguished Editorial Panel, ZRG1 ETTN-A (58), *National Institutes of Health*, 07/20/09 – 07/21/09
- RO1 Grant Review, Special Emphasis Panel, ZRG1 IFCN-E (04) M, *National Institutes of Health*, 07/16/09 – 07/17/09
- Special Emphasis Panel ZRG1 F02A, F31 and F32 Grant Review, *National Institutes of Health* 5/02, 11/02, 3/03, 6/03, 10/03, 3/04, 6/04, 11/05, 6/05, 07/06, 11/06, 10/07, and 3/08
- Neurogenetics/Genomics Scientific Review Group, *National Institutes of Health*, July 11, 2007
- Review of Specialized Centers of Interdisciplinary Research (SCOR) On Sex and Gender Factors Affecting Women's Health, *National Institutes of Health*, March 22-23, 07
- Review panel, 10745BNS05, *National Science Foundation*, 10/10-12/2005
- RO1 Grant Review, Special Emphasis Panel, NIMH, ZRG1 IFCN-D 03, 08/03/06
- RO1 Grant Review, Special Emphasis Panel, NIMH, ZRG1 IFCN-D 03, 10/07/05
- RO1 Grant Review, ZRG1 IFCN-D 02, *National Institutes of Health*, 03/15/2005
- RO1 Grant Review, ZRG1 IFCN-D 02, and Panel Chair, *National Institutes of Health*, 11/16/04
- RO1, Special Emphasis Panel, NMB (S), *National Institutes of Health*, 10/18/04-10/19/04
- RO1 Grant Review, ZRG1 IFCNA NIH, *National Institutes of Health*, 06/11/04

- PO1 Grant Review, ZHD1 DSR-A CS 1, NICHD, *National Institutes of Health*, 06/30/04
- Review panel, 10745BNS04, *National Science Foundation*, 04/21-23/04
- MDCN-6 panel, RO1 Grant Review, *National Institutes of Health*, 06/19/03
- Special Emphasis Panel, RO1 Grant Review, *National Institutes of Health* 03/07/02
- Special Emphasis Panel, F31 and F32 Grant Review, *National Institutes of Health* 03/05/02
- Special Emphasis Panel, T32 Grant Review, *National Institutes of Health* 10/20-21/00
- IFCN1 Study Section, *National Institute of Health*, 02/10/00
- Special Emphasis Panel, Program Project Grant Site Visit, *National Institutes of Health* 07/26-27/99
- Special Emphasis Panel, T32 Grant Review, *National Institutes of Health* 12/02/98
- Special Emphasis Panel, *NIH/NINDS Site Visit*, 06/19/97
- Neuroscience and Behavior Study Section, *National Institutes of Health*, 06/13-14/96
- Mentored Awardees Meeting, *National Institutes of Health*, 06/23/94
- Advisory Panel, Brain and Behavioral Sciences, *National Science Foundation*, 05/90

Papers/Books/Conference Proposal Review

- *Editorial Board*
Hormones and Behavior, '98 – Present
Endocrinology, '00-'03
- *Referee for*
Annual Review of Psychology, Behavioral Neuroscience, Biological Psychiatry, Brain Research, Brain Research Bulletin, Comparative Biochemistry and Physiology, Experimental Brain Research, Endocrinology, Hormones and Behavior, Journal of Chemical Neuroanatomy, Journal of Comparative Neurology, Journal of Neurobiology, Journal of Neuroendocrinology, Journal of Neuroscience, Molecular and Cellular Endocrinology, Nature, Nature Neuroscience Reviews, Neuroendocrinology, Neuropsychopharmacology, Peptides, Physiology and Behavior, Proceedings of the National Academy of Sciences, U.S.A.
- *Book proposal reviews for*
Elsevier Publishers, Chapman & Hall Publishers, West Educational Publishing, Harper Collins Publishers, Allyn & Bacon Publishers, Appleton & Lange.
- *Conference proposals reviewed for*
N.Y. Academy of Sciences, National Science Foundation.