

JEFFREY D. BLAUSTEIN
CURRICULUM VITAE

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Education and Experience:

2011 - 2014 *Program Director and Graduate Program Director*, Neuroscience and Behavior Program,
University of Massachusetts Amherst
2004 – 2015 *Division Head*, Behavioral Neuroscience, Department of Psychological and Brain
Sciences (née Psychology), University of Massachusetts Amherst
1996 – 2001; 2012 – 2015
Founding Director, Center for Neuroendocrine Studies, University of Massachusetts
2011 – 2015 *Co-Director*, Stress Research Group, University of Massachusetts, Amherst
1986 – pres. *Professor*, University of Massachusetts Amherst, Department of Psychological and Brain
Sciences (née Psychology Department)
Adjunct Professor, Biology Department (1985 – 1997)
Member, Neuroscience and Behavior Program (1986 – present)
Member, Molecular and Cellular Biology Program (1989 - 2012)
Member, Organismic and Evolutionary Biology Program (1992 - present)
1988-1990 *Division Head*, Biopsychology, University of Massachusetts, Psychology Department
1983-1986 *Associate Professor*, University of Massachusetts Amherst, Psychology Department
1979-1983 *Associate Professor; Assistant Professor*, Iowa State University; Zoology Department,
Member, Molecular, Cellular and Developmental Biology Program
1977-1979 *USPHS Postdoctoral Research Fellow*, Rutgers University; Institute of Animal Behavior
1977 *Ph.D.*, University of Massachusetts - Amherst; Psychology Department (Biopsychology)
1975 *M.S.*, University of Massachusetts - Amherst; Psychology Department
1973 *B.S.*, (magna cum laude) University of Massachusetts - Amherst

Honors:

Public Engagement Project Fellow, University of Massachusetts, 2016
Elected Fellow, American Association for the Advancement of Science, 2014
Marquis Who's Who in America, 2014
University of Massachusetts Amherst Samuel F. Conti Faculty Fellowship Award, 2013
University of Massachusetts Amherst, Distinguished Faculty Lecturer, Recipient of Chancellor's Medal
2012
University of Massachusetts Amherst Alumni Association 2011 Distinguished Alumni Award, 2011
Senior Scientist Award, National Institute of Mental Health, 1997 – 2002
Research Scientist Development Award, National Institute of Mental Health, 1990 – 1995
Research Career Development Award, National Institute of Neurological Diseases and Stroke, 1985 –
1990
125-Alumni-to-Watch, University of Massachusetts, 1988
USPHS National Research Service Award, postdoctoral 1977 - 1979.

Teaching Experience:

Landmark Papers in Behavioral Neuroscience

Behavioral Neuroendocrinology
 Freshman Seminar: Can you believe what you read about hormones (or anything else in science)?
 Proseminar in Neuroscience and Behavior
 Hormones and Behavior Seminars (various)
 Female Reproductive Component of Neuroscience and Behavior Program core course.
 Scientific Ethics in Neuroscience and Behavior Program Proseminar
 Neuroendocrinology and Reproductive Endocrinology Sections of Vertebrate Physiology
 Advanced Endocrinology
 Neuroendocrinology
 Physiological Psychology Laboratory
 Psychology as a Natural Science
 Junior Writing Course
 Faculty member in Summer Course in Behavioral Neuroendocrinology, Michigan State University, 2005, 2006, 2007

Previous Doctoral and Postdoctoral Trainees:

<p>Theodore Brown, <i>PhD, 1985</i>, current position: <i>Professor</i>, Department of Obstetrics and Gynecology, University of Toronto, Toronto, Ontario.</p> <p>Yvon Delville, <i>PhD, 1992</i>, current position: <i>Professor</i>, Department of Psychology, University of Texas, Austin, TX.</p> <p>Kirsten Nielsen Ricciardi, <i>PhD, 1993</i>, current position: Dog trainer, Portland, Oregon</p> <p>Marc Tetel, <i>PhD, 1993</i>, current position: <i>Class of 1996 Associate Professor of Neuroscience</i>, Wellesley College, Wellesley, MA</p> <p>Joanne Turcotte, <i>PhD, 1996</i>, most recent position: <i>Research Assistant Professor</i>, Psychology Department and Center for Neuroendocrine Studies, University of Massachusetts, Amherst, MA.</p> <p>Deborah Olster, <i>postdoctoral researcher, 1986 - 1990</i>, current position: <i>Deputy Director</i>, Office of Behavioral and Social Sciences Research, National Institutes of Health.</p> <p>John Meredith, <i>postdoctoral researcher, 1994 - 1997</i>, current position: Senior Scientist/Study Director, Schering-Plough Research Institute, Lafayette, NJ.</p> <p>Anthony Auger, <i>PhD, 1998</i>, current position: <i>Professor</i>, Psychology Department, University of Wisconsin, Madison, WI.</p> <p>Christopher Moffatt, <i>postdoctoral researcher, 1994 - 1998</i>, current position: Associate Professor, Department of Biology, San Francisco State University, San Francisco, CA.</p>	<p>Laura Lubbers, <i>postdoctoral researcher, 1999</i>, current position: Director, Pharmacology, Merck Pharmaceuticals, West Point, PA.</p> <p>Béatrice Gréco, <i>postdoctoral researcher, 1997-2001</i>, current position: Senior Scientist, Serono Pharmaceuticals, Italy.</p> <p>Amy Bennett, <i>PhD, 2002</i>, current position: Adjunct Professor, Psychology Department, Stevenson University, Stevenson, MD.</p> <p>Meg Blasberg Kirkpatrick, <i>postdoctoral researcher, 2000 - 2002</i>, current position: Associate Professor, Psychology Department, Wheaton College, Norton, MA.</p> <p>Sara Farrell, <i>postdoctoral researcher, 2004 - 2006</i>, most recent position: Postdoctoral researcher, Center for Studies in Behavioral Neurobiology, Concordia University, Montreal, Quebec.</p> <p>R. Charles Lawrence, <i>postdoctoral researcher, 2004 - 2006</i>, current position: Research Assistant Professor, Department of Psychology, University of South Carolina, Columbia, SC.</p> <p>Julie Laroche, <i>PhD, 2008</i>, current position: Center for Immunization & Respiratory Infectious Diseases Public Health Agency, Public Health Agency of Canada, Canada.</p> <p>Nafissa Ismail, <i>postdoctoral researcher, 2009-2012</i>. Current position: Assistant Professor, Department of Psychology, University of Ottawa.</p> <p>Kristin Olesen, <i>postdoctoral researcher, 2009 - 2012</i>. Current position: unknown.</p>
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Mary Holder, *postdoctoral researcher*, 2012-2014.

Current position: Postdoctoral researcher,
Georgia State University, Atlanta, GA.

Undergraduate trainees: Many former students are currently attending medical school or are doing internships or residencies or are practicing medicine or engaged in other professions all over the country.

Editorships and Editorial Boards:

Reviewing Editor, *eNeuro*, 2014 – present

Editor-in-Chief, *Endocrinology*, 2008 – 2012

Editorial Board, *Hormones and Behavior*, 1986 - 2007, 2012 - present

Editorial Board, *Journal of Neuroendocrinology*, 1999 - 2012

Editorial Board, *Frontiers in Neuroendocrinology*, 2006 – present

Co-Editor, *Translational Research in Endocrinology & Metabolism*, The Endocrine Society, 2009 – present

Editorial Board, *The Open Neuroendocrinology Journal*, 2008 - 2011

Editorial Board, *International Journal of Endocrinology*, 2008 - 2011

Editorial Board, *Frontiers in Molecular and Structural Endocrinology*, 2010 - 2011

Editor, *Endocrinology*, 2002 - 2007

Volume Editor, *Behavioral Neuroendocrinology, Neurochemistry and Molecular Neurobiology* volume of Handbook of Neurochemistry and Molecular Neurobiology (Abel Lajtha, Ed.), 2007

Guest Editor, *Symposium Proceedings: Neurosteroids and Neuroprotection, Sixth International Congress of Neuroendocrinology*, In: *Neuroendocrinology*, 84, 243-279, 2006.

Editorial Board, *Endocrinology*, 1994-1998; 2001 - 2004

Editorial Board, *Molecular Physiology*, 1980 -1982

Consultant to Federal and Other Agencies:

Reviewer, Canadian Mental Health Foundation, *October, 2013*.

Participant, Broadening Participation Workshop, National Science Foundation, Leesburg, VA, *October, 2011*.

Panelist, Sex specific reporting of scientific research: a workshop, Institute of Medicine of the National Academies, *August, 2011*.

Member, Scientific Advisory Board, Lucine Biotechnology, Inc., 2010 – present.

Member, National Institutes of Health, Center for Scientific Review, Distinguished Editorial Panel, Stage II Review of Challenge Grants, *July, 2009*.

Reviewer, Environmental Protection Agency (through Eastern Research Group, Inc.), External peer review of EPA's Endocrine Disruptor Screening Program: Pubertal Female Rat Assay, 2007.

Member, External Review Team of Psychology Department, University at Albany, *October, 2007*.

Ad hoc reviewer, Michael Smith Foundation for Health Research, British Columbia, 2006.

Member, Site Visit Team, National Science Foundation, Center for Behavioral Neuroscience, Atlanta, GA, 2005.

Member, Neurodegeneration, Plasticity and Regeneration study section, National Institutes of Health, 2004, 2005.

Member, Special Emphasis Panel, National Institutes of Health, 2004.

Member, Special Emphasis Panel (IFCN-1) National Institutes of Health, 1998.

Member, Special Emphasis Panel, Sex Differences and Hormonal Influences on Pain, National Institute of Dental Research, 1998.

Jeffrey D. Blaustein

Member, Psychobiology, Behavior, and Neuroscience Subcommittee; National Institute of Mental Health, 1994-1995, 1998.

Member, Behavioral Neuroscience Subcommittee; National Institute of Mental Health, 1992-1994.

Participant in workshop: Determinants of Sexual and Reproductive Behaviors, National Institute of Mental Health, 1991.

Ad Hoc Member, Behavioral Neurobiology Subcommittee; National Institute of Mental Health, 1990, 1991; *ad hoc* reviewer: 1987, 1988, 1991.

Member, Neurological Sciences *Ad Hoc* Study Section; National Institutes of Health, 1989.

Ad hoc member, Site Visit Team, National Institute of Mental Health, Research Scientist Development Award Study Section, 1988

Ad hoc member, National Institutes of Health Biopsychology Study Section, 1985, 1988.

Ad hoc member, National Institutes of Health Biochemical Endocrinology Study Section, 1981.

Ad hoc reviewer, National Science Foundation.

Other Recent Professional Service:

Member, Finance and Audit Committee, The Endocrine Society, 2015-2018.

Past-president, Member of Executive Board, Society for Behavioral Neuroendocrinology, 2013-2015.

Reviewer, Annual meeting abstracts, Society for Neuroscience, 2014, 2015.

President, Society for Behavioral Neuroendocrinology, 2011-2013.

Member, Search Committee, Editor-in-Chief, *Hormones and Behavior*, 2011.

President-elect, Society for Behavioral Neuroendocrinology, 2009-2011.

Member, Advisory Board, Society for Behavioral Neuroendocrinology, 2008 - 2010.

Member, Program Committee, Society for Behavioral Neuroendocrinology, 2007- 2010

Chair, Program Committee, Society for Behavioral Neuroendocrinology, 2007 - 2008.

Executive Committee, Federation of Behavioral, Psychological and Cognitive Science, 2006 - 2008.

Consensus Working Group of the Sex, Gender, and Pain Special Interest Group of the International Association for the Study of Pain, 2006 - 2007.

Member, Publications Ethics Task Force, The Endocrine Society, 2006 - 2007.

Member, Journals Operations Subcommittee, The Endocrine Society, 2006 - 2007.

Member, Journals Management Subcommittee, The Endocrine Society, 2007.

Secretary, Board of Directors, Foundation for Behavioral and Brain Sciences, 2006.

Founding member, Organization for the Study of Sex Differences, 2006.

Finance Committee, Organization for the Study of Sex Differences, 2006 - 2008.

Charter member, Society for Women's Health Research (Washington, DC), Isis Collaborative Research Network on Sex, Gender, Drugs and the Brain, 2001 - 2007.

Councilor, Federation of Behavioral, Psychological and Cognitive Science, 2003 - 2006.

Treasurer, Society for Behavioral Neuroendocrinology, 2002 - 2004.

Local Organizing Committee, Sixth International Congress of Neuroendocrinology, 2004 - 2006.

Societies:

Society for Behavioral Neuroendocrinology, 1995 - *present*

The Society for Neuroscience, 1977 - *present*

The Endocrine Society, 1981 - *present*

Organization for the Study of Sex Differences, Charter member, 2006 - 2010

International Federation of Neuroendocrinology, 2002 - *present*

Jeffrey D. Blaustein

International Society for Behavioral Neuroscience, 1993 - ~2011

American Association for the Advancement of Science, 1973 - present

European Society for Comparative Physiology and Biochemistry, 1982 – 1989

Administrative Experience at the University of Massachusetts:

Program Director and Graduate Program Director, Neuroscience and Behavior Program, 2011 – 2014.

Division Head, Behavioral Neuroscience Division, Psychology Department, 2004 - 2015.

Director, Center for Neuroendocrine Studies, 2012-present.

Founding Director, Center for Neuroendocrine Studies, 1997 – 2001.

Chair, Research Council of the Faculty Senate, 1998 – 1999.

Vice - Chair, Research Council of the Faculty Senate, 1997 – 1998.

Member, Faculty Research Grant Committee, 1995 – 1997.

Chair, Research Services Subcommittee of the Research Council, 1996 - 1998.

Chair, Personnel Committee, Psychology Department, 1991 – 1992.

Division Head, Division I, Psychology Department, 1988 – 1990.

Graduate Program Director, Neuroscience and Behavior Program, 1987 – 1988.

Academic Committees (since 1992):

Member, Goldwater-Udall Scholarship Committee, 2014-2015.

Chair, Behavioral Neuroscience Search Committee, 2014-2015.

Member, UMass College of Natural Sciences Neuroscience Strategic Planning Committee, 2014-2015.

Member, Models to Medicine Steering Committee, Institute for Applied Life Sciences, 2014-2015.

Member, Personnel Committee, Department of Psychological and Brain Sciences, 2014-2015.

Chair, Behavioral Neuroscience Search Committee, 2013-2014.

Member, Research Compliance Officer Search Committee, 2013.

Member, Distinguished Faculty Lecturer Selection Committee, 2013, 2014, 2015.

Member, Conti Award Selection Committee, College of Natural Sciences, 2013, 2014.

Member, Pharmaceutical Sciences Graduate Program Committee, 2013.

Chair, Behavioral Neuroscience Search Committees (2), 2012-2013.

Member, Personnel Committee, Psychology Department, 2009 - 2011.

Member, Executive Committee, Psychology Department, 2004 – 2015.

Member, Behavioral Neuroscience Faculty Search Committee, 2008 - 2009.

Member, Institutional Chemical Safety Committee, 2008 - present.

Chair, Neuroscience and Behavior Director Search Committee, 2006 - 2007.

Member (alternate), Institutional Animal Care and Use Committee, 2005 – 2006.

Member, Neuroscience and Behavior Program Comprehensive Examination Committee, 2005 – 2006, 2010.

Member, Behavioral Neuroscientist Faculty Search Committee, 2004 – 2005.

Chair, Committee to evaluate Director of Neuroscience and Behavior Program, 2004.

Member, Campus Safety Committee, 2003 - 2004.

Member, Integrated Sciences Building Committee, 2003 - 2004.

Member, University Animal Care Committee, 2004.

Member, Diversity Committee, Psychology Department, 2003 - 2004.

Chair, Behavioral Neuroscientist Search Committee, Psychology Department, 2003 - 2004.

Member, UMass Regulatory Compliance Committee, 2002 –2003.

Member, UMass system-wide Neuroscience Coordinating Committee, 2000 – 2002.

Member, Institutional Animal Care and Use Subcommittee on training, 2001.

Member, Vice Chancellor for Research Search Committee, 2000 - 2001.

Member, Commercial Ventures and Intellectual Property Appeals Committee, 2000.

Member, Implementation Committee for Baystate Medical Center/University of Massachusetts Research Institute, 1999-2000.

Member, System-wide committee on indirect cost sharing, 2000.

Chair, Research Council of the Faculty Senate, 1998 – 1999.

Member, *ad hoc* Committee for the Vice Chancellor for Research on Commercial Ventures and Intellectual Property, University of Massachusetts, 1998 - 2000.

Member, Integrated Chemistry-Life Sciences Building Committee, University of Massachusetts, 1998 - 2000.

Member, LAN Committee, Psychology Department, University of Massachusetts, 1998 - 2001.

Member, *ad hoc* Committee on the Organization of the Research Mission, University of Massachusetts, 1998.

Member, Search Committee for the Vice Chancellor for Research, 1997 – 1998.

Member, Faculty Fellowship Committee, University of Massachusetts, 1998.

Vice - Chair, Research Council of the Faculty Senate, 1997 – 1998.

Member, Research Council of the Faculty Senate, 1995 – 1997; **Chair**, 1998 - 1999

Member, Faculty Research Grant Committee, 1995 – 1997

Chair, Research Services Subcommittee of the Research Council, 1996 - 1998.

Member, Faculty Advisory Committee for the Construction of the Animal Care Facility, 1994-1998.

Member, Faculty Advisory Committee for *Synergy*, research magazine produced by the Vice Chancellor for Research, University of Massachusetts, 1996 – 2002

Member, Personnel Committee, Psychology Department, 1994 – 1996

Member, Steering Committee, Neuroscience and Behavior Program, 1995 – 1997

Member, Search Committee for Director of Office of Grants and Contract Administration, 1995-1998

Member, Computer Networking Committee, Psychology Department, 1992 – 1994

Extramural Research Support:

Enduring influences of peripubertal stressors on reproductive behavior in female rodents, National Science Foundation, 2011-2017.

Factors mediating effects of pubertal stressors on adult response to hormones, National Institute of Mental Health, 2011-2015.

Enduring effects of peripubertal exposure to stressors on reproductive behavior in mice. Society for Women's Health Research, 2006 - 2010.

Neuroendocrine Regulation of Behaviors, Research Grant, National Institute of Neurological Disorders and Stroke, National Institutes of Health, 1983-2010.

Estrogen Receptor Activation in the Central Nervous System, Research Grant, National Institute of Mental Health, National Institutes of Health, 2003-2008.

Steroid Hormones, Neuroendocrine Function and Behavior, National Institute of Mental Health, Senior Scientist Award, 1997-2003.

Hormones, Immediate Early Proteins and Behavior, Research Grant, National Institute of Mental Health, 1996-2003.

Steroid Hormones, Neuroendocrine Function and Behavior, Research Scientist Development Award, National Institute of Mental Health, 1990-1995.

Neural Steroid Hormone Receptors: Subcellular Analysis, Research Grant, National Science Foundation, 1991-1993.

Steroid Hormones, Neuroendocrine Function and Behavior, Research Career Development Award, National Institute of Neurological Disorders and Stroke, National Institutes of Health, 1985-1990.
Neuroendocrine Regulation of Behaviors, Research Grant, National Science Foundation, 1980-1983.
National Research Service Award Postdoctoral Fellowship, National Institute of Child Health and Human Development, 1978-1979.

Research Interests:

Pubertal stress and reproductive neuroendocrinology
Influences of pubertal stress on mental health disorders
Neural steroid hormone receptors: regulation and function
Neurotransmitter interactions with steroid hormone receptors
Cellular mechanisms of hormone action in the brain
Afferent regulation of steroid hormone-sensitive neurons
Hormonal regulation of reproductive behaviors

Publications:

- Blaustein, J. D. and Wade, G. N. Ovarian influences on the meal patterns of female rats. **Physiology & Behavior**, 1976, **17**: 201-208.
- Blaustein, J. D., Gentry, R. T., Roy, E. J., and Wade, G. N. Effects of ovariectomy and estradiol on body weight and food intake in gold thioglucose-treated mice. **Physiology & Behavior**, 1976, **17**: 1027-1030.
- Blaustein, J. D. and Wade, G. N. Concurrent inhibition of sexual behavior but not brain (³H)estradiol uptake by progesterone in female rats. **Journal of Comparative and Physiological Psychology**, 1977, **91**: 742-751.
- Blaustein, J. D. and Wade, G. N. Sequential inhibition of sexual behavior by progesterone in female rats: Comparison with a synthetic antiestrogen. **Journal of Comparative and Physiological Psychology**, 1977, **91**: 752-760.
- Blaustein, J. D. and Wade, G. N. Ovarian hormones and meal patterns in rats: Effects of progesterone and role of gastrointestinal transit. **Physiology & Behavior**, 1977, **19**: 23-27.
- Gentry, R. T., Wade, G. N., and Blaustein, J. D. Binding of (³H)estradiol by brain cell nuclei and female rat sexual behavior: Inhibition by experimental diabetes. **Brain Research**, 1977, **130**: 135-146.
- Blaustein, J. D. and Wade, G. N. Progesterone binding by brain and pituitary cell nuclei and female rat sexual behavior. **Brain Research**, 1978, **140**: 360-367.
- Wade, G. N. and Blaustein, J. D. Effects of an antiestrogen on neural estradiol binding and on behaviors in female rats. **Endocrinology**, 1978, **102**: 245-251.
- Blaustein, J. D. and Feder, H. H. Cytoplasmic progesterone receptors in guinea pig brain: Characteristics and relationship to the induction of sexual behavior. **Brain Research**, 1979, **169**: 481-497.
- Blaustein, J. D. and Feder, H. H. Cytoplasmic progesterone receptors in female guinea pig brain and their relationship to refractoriness in expression of female sexual behavior. **Brain Research**, 1979, **177**: 489-498.
- Feder, H. H., Blaustein, J. D., and Nock, B. L. Oestrogen-progesterone regulation of sexual behavior in guinea pigs. **Journal of Steroid Biochemistry**, 1979, **11**: 873-877.
- Blaustein, J. D. and Feder, H. H. Progesterone, at plasma levels lower than those of mid-pregnancy, decreases sexual behavior in ovariectomized rats. **Physiology & Behavior**, 1979, **23**: 1099-1104.
- Schwartz, S., Blaustein, J. D., and Wade, G. N. Inhibition of estrous behavior by progesterone in rats: Role of neural estrogen and progesterone receptors. **Endocrinology**, 1979, **105**: 1078-1082.
- Blaustein, J. D., Dudley, S. D., Gray, J. M., Roy, E. J., and Wade, G. N. Long-term retention of estradiol by brain cell nuclei and female rat sexual behavior. **Brain Research**, 1979, **103**: 355-359.
- Blaustein, J. D. and Feder, H. H. Nuclear progesterone receptors in guinea pig brain

- measured by an *in vitro* exchange assay after hormonal treatments that affect lordosis. **Endocrinology**, 1980, **106**: 1061-1069.
- Balthazart, J., Blaustein, J. D., Cheng, M. F., and Feder, H. H. Hormones modulate the concentration of cytoplasmic progesterin receptors in the brain of male ring doves (*Streptopelia risoria*). **Journal of Endocrinology**, 1980, **86**: 251-261.
- Blaustein, J. D., Ryer, H. I. and Feder, H. H. A sex difference in the progesterin receptor system of guinea pig brain. **Neuroendocrinology**, 1980, **31**: 403-409.
- Nock, B. L., Blaustein, J. D., and Feder, H. H. Changes in noradrenergic transmission alter the concentration of cytoplasmic progesterin receptors in hypothalamus. **Brain Research**, 1981, **207**: 371-396.
- Rodriguez-Sierra, J. F., Blaustein, J. D., Blake, C. A., Clough, R. W., and Elias, K. A. A decrease in cytosol estrogen receptors in the hypothalamus as a result of treatment of neonatal rats with glutamate. **Experimental Brain Research**, 1982, **48**: 272-278.
- Blaustein, J. D. Alteration of sensitivity to progesterone facilitation of lordosis in guinea pigs by modulation of hypothalamic progesterin receptors, **Brain Research**, 1982, **243**: 287-300.
- Blaustein, J. D. Progesterone in high doses may overcome progesterone's desensitization effect on lordosis by translocation of hypothalamic progesterin receptors. **Hormones and Behavior**, 1982, **16**: 175-190.
- Blaustein, J. D., Brown, T. J., and Reading, D. S. Failure of a protein synthesis inhibitor to block progesterone's desensitization action on lordosis in female rats. **Physiology & Behavior**, 1982, **29**: 475-481.
- Blaustein, J. D. and Brown, T. J. Mechanisms of estrogen-progesterin interactions on lordosis in female guinea pigs. In: **Hormones and Behavior in Higher Vertebrates**, ed. by J. Balthazart, E. Prove and R. Gilles, Springer-Verlag, Berlin, 1983, 18-31.
- Brown, T. J. and Blaustein, J. D. Inhibition of sexual behavior in female guinea pigs by a progesterin receptor antagonist. **Brain Research**, 1984, **301**: 343-349.
- Gilchrist, S. and Blaustein, J. D. The desensitization effect of progesterone on female rat sexual behavior is not due to interference with estrogen priming. **Physiology and Behavior**, 1984, **32**: 879-882.
- Reading, D. S. and Blaustein, J. D. The relationship between heat abbreviation and neural progesterin receptors in female rats. **Physiology and Behavior**, 1984, **32**: 973-981.
- Blaustein, J. D. and Brown, T. J. Progesterone decreases the concentration of hypothalamic and anterior pituitary estrogen receptors in ovariectomized rats. **Brain Research**, 1984, **304**: 225-236.
- Brown, T. J. and Blaustein, J. D. Supplemental progesterone delays heat termination and loss of progesterin receptors from hypothalamic cell nuclei in female guinea pigs. **Neuroendocrinology**, 1984, **39**: 384-391.
- Brown, T. J. and Blaustein, J. D. 1-(o-Chlorophenyl)-1(p-Chlorophenyl) 2,2,2,-trichloroethane induces functional progesterin receptors in the rat hypothalamus and pituitary gland. **Endocrinology**, 1984, **115**: 2052-2058.
- Blaustein, J. D. Noradrenergic inhibitors cause accumulation of nuclear progesterin receptors in guinea pig hypothalamus. **Brain Research**, 1985, **325**: 89-98.
- Blaustein, J. D. and Brown, T. J. Neural progesterin receptors: Regulation of progesterone-facilitated sexual behaviour in female guinea pigs. In: **Comparative Physiology and Biochemistry, Current Topics and Trends**, Volume C: Comparative Neurobiology, Ed. by R. Gilles and J. Balthazart. Springer-Verlag, Berlin, Heidelberg, 1985, pp. 60-76.
- Ahdieh, H. B., Brown, T. J., Wade, G. N. and Blaustein, J. D. Hypothalamic nuclear progesterin receptors and the duration of sexual receptivity in ovariectomized and ovariectomized-hysterectomized rats. **Physiology & Behavior**, 1985, **36**: 211-215.
- Brown, T. J. and Blaustein, J. D. Loss of hypothalamic nuclear-bound progesterin receptors: Factors involved and the relationship to heat termination in female guinea pigs. **Brain Research**, 1985, **358**: 180-190.
- Blaustein, J. D. Cell nuclear accumulation of estrogen receptors in rat brain and pituitary

- gland after treatment with a dopamine- β -hydroxylase inhibitor. **Neuroendocrinology**, 1986, **42**: 44-50.
- Blaustein, J. D., Brown, T. J. and McElroy, J. F. Hormonal Regulation of Reproductive Behaviors Iroy, J. F. Some catecholamine inhibitors do not cause accumulation of nuclear estrogen receptors in rat hypothalamus and anterior pituitary gland. **Neuroendocrinology**, 1986, **43**: 143-149.
- Blaustein, J. D., Brown, T. J. and Swearingen, E. S. Dopamine- β -hydroxylase inhibitors modulate the concentration of functional estrogen receptors in female rat hypothalamus and pituitary gland. **Neuroendocrinology**, 1986, **43**: 150-158.
- Brown, T. J. and Blaustein, J. D. Abbreviation of the period of sexual behavior in female guinea pigs by the progesterone antagonist, RU 486. **Brain Research**, 1986, **373**: 103-113.
- Blaustein, J. D. The α_1 -noradrenergic antagonist prazosin decreases the concentration of estrogen receptors in female rat hypothalamus. **Brain Research**, 1987, **404**: 39-50.
- Blaustein, J. D. and Letcher, B. Noradrenergic regulation of cytosol estrogen receptors in female hypothalamus: Possible role of α_2 -noradrenergic receptors. **Brain Research**, 1987, **404**: 51-57.
- Blaustein, J. D. Steroid receptors and hormone action in the brain. In: **Reproduction: A Behavioral and Neuroendocrine Perspective**, Ed. by B. Komisaruk and H. Siegal, Annals of the New York Academy of Sciences, New York, 1987, **474**: 400-414.
- Blaustein, J. D., Finkbohner, R. and Delville, Y. Estrogen-induced and estrogen-facilitated female sexual behavior is not mediated by progesterin receptors. **Neuroendocrinology**, 1987, **45**: 152-159.
- Blaustein, J. D. and Turcotte, J. Small apomorphine-induced increase in the concentration of estrogen receptors in female rat hypothalamus and pituitary. **Brain Research Bulletin**, 1987, **18**: 585-590.
- Brown, T. J., Moore, M. J. and Blaustein, J. D. Maintenance of progesterone-facilitated sexual behavior in female rats requires continued hypothalamic protein synthesis and nuclear progesterin receptor occupation. **Endocrinology**, 1987, **121**: 298-304.
- Blaustein, J. D. and Turcotte, J. Further evidence of noradrenergic regulation of rat hypothalamic estrogen receptor concentration: Possible nonfunctional increase and functional decrease. **Brain Research**, 1987, **436**: 253-264.
- Williams, C. L. and Blaustein, J. D. Steroids induce hypothalamic progesterin receptors and facilitate female sexual behavior in neonatal rats. **Brain Research**, 1988, **449**: 403-407.
- Olster, D. H. and Blaustein, J. D. Progesterone facilitation of lordosis in male and female Sprague-Dawley rats following priming with estradiol pulses. **Hormones and Behavior**, 1988, **22**: 294-304.
- Blaustein, J. D., King, J. C., Toft, D. O. and Turcotte, J. Immunocytochemical localization of estrogen-induced progesterin receptors in guinea pig brain. **Brain Research**, 1988, **474**: 1-15.
- Blaustein, J. D. and Olster, D. H. Gonadal steroid hormone receptors and social behaviors. In: **Advances in Comparative and Environmental Physiology**, Ed. by J. Balthazart, Springer-Verlag, Berlin, 1989, pp. 31-104.
- Olster, D. H. and Blaustein, J. D. Development of steroid-induced lordosis in female guinea pig: Effects of different estradiol and progesterone treatments, clonidine, and early weaning. **Hormones and Behavior**, 1989, **23**: 118-129.
- Olster, D. H. and Blaustein, J. D. Development of progesterone-facilitated lordosis in female guinea pigs: Relationship to neural estrogen and progesterin receptors. **Brain Research**, 1989, **484**: 168-176.
- Delville, Y. and Blaustein, J. D. Long-term ovariectomy and hormone-induced sexual behavior, progesterin receptors, and hypothalamic morphology in female rats. **Hormones and Behavior**, 1989, **23**: 269-278.
- Blaustein, J. D. and Turcotte, J. C. Estradiol-induced progesterin receptor-immunoreactivity is found only in estrogen receptor-immunoreactive cells in guinea pig brain. **Neuroendocrinology**, 1989, **49**: 454-461.
- Blaustein, J. D. and Turcotte, J. C. Estrogen receptor-immunostaining of neuronal cytoplasmic processes as well as cell nuclei in guinea pig brain. **Brain Research**, 1989, **495**: 75-82.

- Blaustein, J. D. and Turcotte, J. C. A small population of tyrosine hydroxylase-immunoreactive neurons in the guinea pig arcuate nucleus contains progesterin receptor-immunoreactivity. **Journal of Neuroendocrinology**, 1989, **1**: 333-338.
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Blaustein, J.D. The word for this year is change. (Editorial), **Endocrinology**, 2009, **150**: 1-2.

Blaustein, J.D., McCarthy, M.M. Phoenix, Goy, Gerall and Young: 50 years young and going strong (Editorial). **Endocrinology**, 2009, **150**: 2501.

Blaustein, J.D. Fraud: Just say no! (Editorial) **Endocrinology**, 2010, **151**, 1-3.

Blaustein, J.D. Fraud: Who is responsible? The Scientist.com. Published 29th April 2010.

Blaustein, J.D. A few changes at *Endocrinology* (Editorial) **Endocrinology**, 2010, **151**: 2403.

Blaustein, J.D. Nearby construction influences the physiology of research animals: Beyond stress hormones. **Endocrinology**, 2011, **152**: 1197 – 1198. PMID: [21430187](#)

Blaustein, J.D. Animals have a sex, and so should titles and methods sections of articles in *Endocrinology*. (Editorial) **Endocrinology**, 2012, **153**: 2539-2540. PMID: [22610963](#)

Blaustein, J.D. A bittersweet transition: some final thoughts. (Editorial) **Endocrinology**, 2012, **153**: 5689-5691. PMID: [23192609](#)

Books Edited:

Blaustein, J.D. **Handbook of Neurochemistry and Molecular Neurobiology: Behavioral Neurochemistry, Neuroendocrinology and Molecular Neurobiology** (Lajtha, A., Series Editor), Volume 21, 2007, Springer: New York, 954 pages.

Lay articles:

Blaustein, J.D. Expert voices blog: Does hormone therapy for breast cancer affect the brain? American Cancer Society, October 7, 2015.
<http://blogs.cancer.org/expertvoices/2015/10/27/does-hormone-therapy-for-breast-cancer-affect-the-brain/>

Invited Lectures:

Winter Conference on Brain Research, Sun Valley, ID, January, 1979.

Departments of Psychology and Animal Science, North Dakota State University, Fargo, ND, January, 1980

Midlands Chapter, Society for Neuroscience, University of Nebraska Medical Center, November, 1980.

Department of Biochemistry, Iowa State University, Ames, IA, April, 1981.

Conference on Reproductive Behavior, East Lansing, MI, June, 1982

European Society of Comparative Physiology and Biochemistry, Beilefeld, West Germany, September, 1982.

Midwest Psychological Association, Chicago, IL, April, 1983.

Psychology Department, Vassar College, Poughkeepsie, NY, February, 1984.

Laboratory for Human Reproduction and Reproductive Biology, Harvard Medical School, Boston, MA, February, 1984.

Molecular and Cellular Biology Program, University of Massachusetts, Amherst, MA, April, 1984.

First International Congress on Comparative Physiology and Biochemistry, Liege, Belgium, August, 1984.

Laboratoire des Hormones, INSERM U33, Bicetre, France, September, 1984.

Neuroscience Program, Michigan State University, East Lansing, MI, May, 1985.

Physiology Department, University of Massachusetts Medical School, Worcester, MA, January, 1986.

Psychology Department, University of Connecticut, Storrs, CT, April, 1988.

Molecular and Cellular Biology Program, University of Massachusetts, April, 1988.

Neuroscience Program, Michigan State University, East Lansing, MI, February, 1989.

Oregon Regional Primate Research Center, Beaverton, OR and Department of Physiology, Oregon Health Sciences University, Portland, OR, June, 1989.

International Conference on Hormones, Brain and Behaviour, Liege, Belgium, August, 1989.

Neuroendocrinology Special Interest Dinner, Society for Neuroscience, Phoenix, AZ, November, 1989.

Neuroscience and Behavior Program, University of Massachusetts, Amherst, MA, November, 1990.

Reproductive Sciences Program, University of Michigan, Ann Arbor, MI, December, 1990.

Annual Meeting of the American Society of Zoologists, San Antonio, TX, December, 1990.

Rhode Island Hospital, Brown University, Providence, RI, May, 1991.

- National Institute of Mental Health, Bethesda, MD, October, 1991.
- Molecular and Cellular Biology Program, University of Massachusetts, Amherst, MA, December, 1991.
- Department of Biology, Boston University, Boston, MA, December, 1991.
- School of Biological Sciences, University of Kentucky, Lexington, KY, March, 1992.
- Center for Biological Timing, University of Virginia, Charlottesville, VA, February, 1993.
- Conference on Reproductive Behavior, Michigan State University, East Lansing, MI, June, 1993.
- International Conference on Hormones, Brain and Behaviour, Tours, France, August, 1993.
- Department of Cell Biology, Baylor University School of Medicine, Houston, TX, November, 1993.
- Neuroscience Program, Florida State University, Tallahassee, FL, Lecturer in Rushton Lectures in Brain-Hormone-Sensory Interactions in Reproductive Physiology and Behavior (three lectures on Neural Steroid Hormone Receptors and Behavior), February, 1994.
- Center for Studies in Behavioral Neurobiology, Concordia University, Montreal, Quebec, March, 1994.
- Breckenridge Conference on Steroid Receptors and Brain Function, chaired workshop, Neuronal steroid receptors in extranuclear locations: speculation on function, April, 1994.
- Population Council, Rockefeller University, New York, NY, November, 1994.
- Breckenridge Conference on Steroid Receptors and Brain Function, chaired workshop on ligand-independent activation of steroid receptors, April, 1995.
- Psychology Department and Neuroscience and Behavior Program, University of Massachusetts, Amherst. What does a female rat's reproductive tract tell her brain? March, 1996.
- Merck Foundation/AAAS Distinguished Speakers in Biochemistry, Vassar College, Poughkeepsie, NY, Cellular processes of interactions between neurotransmitters and steroid hormones in the brain, April, 1996.
- Breckenridge Conference on Steroid Receptors and Brain Function, discussant in workshop on "Molecular and genetic tools for investigating steroid hormone action in the brain", April, 1996.
- Conference on Reproductive Behavior, Concordia University, Montreal, Quebec. Participant in roundtable discussion, Vagino-cervical stimulation and physiology, June, 1996.
- Psychology Department, University of Pennsylvania, Philadelphia, PA. Regulation of hormone-responsive systems in the brain by afferent input, November, 1996.
- Conference on Reproductive Behavior, Baltimore, Maryland. Participant in symposium on Hormonal Modulation of Neural Circuits. May, 1997.
- Pfizer Pharmaceuticals, Groton, CT. Steroid hormone modulation of the brain: interactions with neurotransmitters. October, 1997.
- Society for Neuroscience, Annual Meeting, New Orleans, LA. Chair of Behavioral Endocrinology Special Interest Social. October, 1997.
- Psi Chi, The National Honor Society in Psychology, University of Massachusetts, December, 1997.
- Society for Behavioral Neuroendocrinology, Atlanta, GA, Afferent regulation of steroid hormone receptors and behavior. In: Presidential Symposium - Weird mechanisms of action of steroid hormones (organizer: Arthur Arnold), June, 1998.
- Society for Neuroscience, Annual Meeting, Los Angeles, CA, Progesterin receptors and behavior: Use of steroid receptor-disrupted animals and other methods. In: Symposium on Molecular and Genetic Approaches in Behavioral Endocrinology (organizer: Randy Nelson), November, 1998.
- Biology Department, University at Albany - SUNY, Albany, NY, Regulation of neuronal progesterin receptors by progesterone and neurotransmitters: implications for behavior. December, 1998.
- Wyeth-Ayerst, Radnor, PA. Regulation of steroid hormone receptors by steroid hormones and environmental input. January, 1999.
- Biology Department, Purdue University, West Lafayette, IN, Regulation of neuronal progesterin receptors by progesterone and neurotransmitters: implications for behavior. May, 1999.
- Biology Department, Boston University, A central role of progesterin receptors in neuronal function. December 8, 1999.

- Neuroscience Program, UCLA, A central role for progesterin receptors in neuronal function. March, 2000.
- American Neuroendocrine Society, in Workshop on Growth factors and estrogen action (chair: Dominique Toran-Allerand), Toronto, June, 2000.
- Neuroendocrinology Social, Annual Meeting of the Society for Neuroscience (Margaret McCarthy, organizer). Steroid receptors in unusual places. November, 2000.
- Shriver Center for Mental Retardation, Waltham, MA. A central role for progesterin receptors in brain and behavioral integration. March, 2001.
- University of Massachusetts Medical Center, Worcester, MA. Neuroendocrinology at UMass. June, 2001.
- Baystate Medical Center, Department of Endocrinology, Metabolism and Diabetes, Springfield, MA, A central role for progesterin receptors in neuronal integration. July, 2001.
- University of Virginia, Neuroscience Program, Charlottesville, VA. Beyond progesterone: integration of information about hormonal and social environment by neuronal progesterin receptors. February, 2002.
- University of Virginia, Neuroscience Seminar, Charlottesville, VA. A history of steroid receptors in the brain. February, 2002.
- Tufts University School of Veterinary Medicine, Grafton, MA. Beyond progesterone: integration of hormonal state and the social environment by neuronal progesterin receptors, May, 2002.
- University of Milan, Italy, Department of Pharmacological Science. Neural steroid hormone receptors: integration of hormonal and environmental information (are steroid hormones important?), February, 2003.
- Second International Meeting: Steroids and Nervous System, Torino, Italy. Neural steroid hormone receptors: integration of hormonal and afferent stimulation (Are steroid hormone receptors misnamed?), February, 2003.
- American Headache Society 45th Annual Scientific Meeting, Effects of female hormones on the brain, vasculature, in CME credit precourse: Hormone Therapy and its risks, Chicago, June, 2003.
- International Society for the Study of Women's Sexual Health, Neuronal progesterin receptors integrate hormonal and genitosensory influences on behavior: animal models, Amsterdam, October, 2003.
- Netherlands Institute for Brain Research, Neural steroid hormone receptors: activation by hormones and environmental stimuli (Are steroid hormones necessary?), Amsterdam, October, 2003.
- Satellite Symposium on *Sex Differences in the Brain: from Genes to Behavior*, A Satellite Symposium of the Society for Neuroscience Annual Meeting, Neuronal integration of genitosensory and hormonal information by progesterin receptors (in females with some thoughts about males), New Orleans, LA, November, 2003.
- Second World Congress on Women's Mental Health, Neuronal Integration of Sensory Information. Washington, DC, March, 2004.
- Northeast Undergraduate Research Organization for Neuroscience, Writing and reading journal reviews: reading between the lines, Wheaton College, Norton, MA, May, 2004.
- University of Kentucky Reproduction Seminar, Neuronal steroid hormone receptors: integration of hormonal and environmental information (are steroid hormones essential?), Lexington, KY, May, 2004.
- Palatin Technologies, Integration of hormones and neurotransmitters by neural steroid hormone receptors, Cranbury, NJ, September, 2004.
- Society for Behavioral Neuroendocrinology Annual Meeting. Why does the brain need the gonads? Afferent regulation of "hormone-dependent" processes. Lisbon, Portugal, July, 2004.
- State University of New York at Stony Brook, Department of Neurobiology and Behavior, Stony Brook, NY. Hormones and behavior without the hormones: influences of the social environment on steroid hormone receptors. April, 2006.
- Center for Behavioral Neuroscience, Georgia State University, Atlanta, GA. Hormones and behavior without the hormones: influences of the social environment on steroid hormone receptors. November, 2006.
- Department of Neuroscience, Florida State University, Tallahassee, FL. External influences on reproductive behavior. February, 2008.

- Department of Neuroscience, Florida State University, Tallahassee, FL. Peripubertal influences on reproduction. February, 2008.
- Society for Behavioral Neuroendocrinology, Groningen, The Netherlands. Long-term influences of peripubertal/adolescent stressors on adult brain and behavior, July, 2008.
- Pioneer Valley Life Science Institute, Baystate Medical Center, Springfield, MA. Long-term influences of peripubertal/adolescent stressors on adult brain, HPA axis and behavior. November, 2008.
- The Endocrine Society, Washington, DC. The Year in Neuroendocrinology, June, 2009.
- Society for Behavioral Neuroendocrinology, Michigan State University, East Lansing, MI. Symposium introduction: Rapid actions of estradiol in the brain: New approaches, models, and insights. June, 2009.
- Loyola University School of Medicine, Chicago, IL. Peripubertal stressors alter neural response to ovarian hormones. April, 2010.
- Conferencia Magistral (Keynote address), LII Congreso Nacional de Ciencias Fisiológicas, Sociedad Mexicana de Ciencias Fisiológicas, Mexican Society of Physiologists, Villahermosa, Tabasco, Mexico. Altered neural and behavioral response to ovarian hormones in adulthood by peripubertal stressors, September, 2010.
- Baystate Medical Center, Springfield, MA, Influences of pubertal stressors on adult response to ovarian hormones (in Mice), October, 2010.
- Pennsylvania State University, State College, PA. Enduring influences of some pubertal stressors on response to estrogens and progestins. October, 2010.
- US-Latin American Workshop in Neuroendocrinology, Vina del Mar, Chile, Keynote address: Regulation of steroid hormone receptors in the brain by environmental influences. August, 2011.
- Society for Neuroscience Annual Meeting, Washington, DC. Enduring influences of adolescent stress on response to ovarian hormones. In Minisymposium: Stress and the Adolescent Brain and Behavior. October, 2011.
- University of Massachusetts Amherst Distinguished Faculty Lecture. Stress, Puberty and Mental Health, University of Massachusetts, Amherst, March, 2012.
- Bay Path College, Longmeadow, MA. Stress, puberty and mental health: remodeling of the brain's response to ovarian hormones. September, 2013.
- Neuroscience Club, University of Massachusetts. Stress, puberty and mental health: remodeling of the brain's response to ovarian hormones. September, 2013.
- Neuroscience Department, Wellesley College, Wellesley, MA. How to be (and not to be) a scientist: some thoughts on scholarship, scientific conduct and misconduct. November, 2013.
- Wellesley College, Wellesley, MA. You can/should teach old dogma new tricks. November, 2013.
- Universidad Autónoma de Tlaxcala-CINVESTAV, Tlaxcala, Mexico. Puberty as a critical period in development of hormone responsiveness of the brain. January, 2014
- 8th International Conference on Hormones and Behavior, Liege, Belgium. Peripubertal stressors influence behavioral response to estradiol later in life. June, 2014.
- 8th International Meeting on Steroids and Nervous System, Torino, Italy. Plenary lecture: Pubertal development: a period of remodeling of the brain's response to estrogens. February, 2015 (had to cancel lecture).
- IV Congress of Medical Sexology, World Association of Medical Sexology, Miami, FL. Plenary State of the Art Lecture: Puberty and adolescence as a time of vulnerability to stressors that alter neurobehavioral processes. October, 2015.
- IV Congress of Medical Sexology, World Association of Medical Sexology, Miami, FL. Influence of genital stimulation on the brain and female sexual behavior: animal models. October, 2015.
- Wellesley College, Neuroscience Department, Wellesley, MA. How to be (and not to be) a scientist: some thoughts on scholarship, scientific conduct and misconduct. November, 2015.
- American University, Department of Biology, Washington, DC. Stress, puberty and mental health: remodeling of the brain's response to ovarian hormones. February, 2016.

Invited Virtual Internet Symposia:

Blaustein, J.D., Auger, A.P., Meredith, J.L. and Moffatt, C.A. (1998) *Influences of mating stimulation on sex steroid receptor containing neurons: use of immediate early proteins*. In symposium: Neural substrates of sexual motivation and performance as revealed by neural immediate early gene expression. (Mike Baum organizer). On-line proceedings of the 5th *Internet World Congress on Biomedical Sciences at McMaster University, Canada (INABIS 98)*. Canada (URL: <http://www.mcmaster.ca/inabis98/baum/blaustein0310/index.html>)

Blaustein, J.D., Auger, A.P., Heeb, M., Moffatt, C.A., LaRiccia, L., and Bennett, A. (1998) *Regulation of brain, progestin receptors and sexual receptivity by mating stimulation*. In symposium: Genital sensation: CNS targets and functions in females (Barry Komisaruk, organizer). On-line proceedings of the 5th *Internet World Congress on Biomedical Sciences at McMaster University, Canada (INABIS 98)*. Canada (URL: <http://www.mcmaster.ca/inabis98/komisaruk/blaustein0486/index.html>)

Uninvited Conference Posters and Presentations:

Many, but I do not list them.