

**Juan M. Dominguez, Ph.D.**  
CV, Apr 2009

**PROFILE:**

Citizenship: U.S.  
High School: John Dewey High School, Brooklyn, NY  
Grade School: Public School 189, Brooklyn, NY  
Languages: Fluency in English and Spanish

**CURRENT POSITION:**

Assistant Professor  
The University of Texas at Austin  
Department of Psychology  
Seay Building 5.252  
1 University Station A8000  
Austin, Texas 78712

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E-mail: [dominguez@psy.utexas.edu](mailto:dominguez@psy.utexas.edu)  
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University Centers and Institutes:

Center for Behavioral Neuroendocrinology, The University of Texas at Austin  
Institute for Neuroscience, The University of Texas at Austin  
Waggoner Center for Alcohol and Addiction Research, The University of Texas at Austin

**EDUCATION & TRAINING:**

**Ph.D.** in Psychology, Behavioral Neuroscience (2002), Department of Psychology, University at Buffalo, The State University of New York, Buffalo, N.Y. Mentor: Dr. Elaine M. Hull

**B.A.** in Psychology, concentration in Biopsychology (1995), Department of Psychology, University at Buffalo, The State University of New York, Buffalo, N.Y.

**ACADEMIC POSITIONS:**

2008- present: Assistant Professor. The University of Texas at Austin, Department of Psychology and Institute for Neuroscience.  
2006- 2008: Assistant Professor. American University, Washington DC, Department of Psychology; Behavior, Cognition, and Neuroscience Graduate Program.  
2004- 2006: Associate Research Faculty. The Florida State University, Department of Psychology & Neuroscience Program.  
2002- 2004: Postdoctoral Fellow. The University of Cincinnati College of Medicine, Department of Psychiatry and the Department of Molecular Biology, Neurobiology & Anatomy (dual appt.)  
2001- 2002: Laboratory Manager. University at Buffalo, Department of Psychology, Behavioral Neuroscience (as graduate student)

**AWARDS & GRANTS:**

**Grants & Fellowships:**

- Andrew W. Mellon Foundation, Career Enhancement Award (granted through American University), November 2006.
- NSF Research Grant (pending), submitted Spring 2009.

- NIH Research Project Grant (pending), submitter Spring 2009.

Past:

- Postdoctoral Fellowship, NIH Training Grant (2002-2004)
- Graduate Student Fellowship, NIH (1996-1999)

**Awards & Honors:**

- The Young Investigator Award, The Society for Behavioral Neuroendocrinology (2004).
- Award for Postdoctoral Fellows, The Society for Behavioral Neuroendocrinology (2003).
- Scholar, The Society for Neuroscience (2002).
- The Graduate Student Excellence in Teaching Award, The State University of New York (2002).
- Outstanding Graduate Student Research Award, awarded by Sigma Xi, The Scientific Research Society, Western New York State chapter competition (2002).
- Conway Institute of Biomedical Research, Graduate Student Award, 9<sup>th</sup> International Conference on In Vivo Methods (Dublin, Ireland, 2001)
- Outstanding Graduate Student Research Award, awarded by Sigma Xi, The Scientific Research Society, Western New York State chapter competition (2001).
- Mark Diamond Foundation Fellowship, in support of outstanding research (2001-2002).
- Graduate Student Teaching Recognition, Department of Psychology (1999).
- Ronald E. McNair Scholar (1995).

Travel Awards:

- American College of Neuropsychopharmacology (ACNP) travel award to attend meeting in Waikoloa, Hawaii, 2005.
- New York Academy of Sciences travel award to attend The Amygdala in Brain Function: Basic and Clinical Approaches meeting in Galveston, Texas, 2002.
- Society for Behavioral Neuroendocrinology travel award to attend meeting in Scottsdale, Arizona, 2001.
- Society for Behavioral Neuroendocrinology travel award to attend meeting in Madrid, Spain, 2000.

**EDITORIAL BOARDS:**

- Behavioral Neuroscience, 2007 – present
- Learning & Behavior, 2007 – present
- Physiology & Behavior, 2008 – present

**GRANT REVIEW SERVICES:**

- National Science Foundation, ad hoc, 2008

**INVITED PRESENTATIONS:**

- The University of Texas at Austin (2009). The Waggoner Center for Alcohol and Addiction Research, Austin, TX.
- The University of Texas at Austin (2008). Department of Psychology, Austin, TX.
- The University of Texas at Austin (2008). Institute for Neuroscience, Austin, TX.
- Arizona State University (2008). Department of Psychology and Program in Neuroscience, Tempe, AZ.
- University at Albany, The State University of New York (2008). Department of Psychology and Center for Neuroscience Research, Albany, NY.
- University of California, Santa Barbara (2008). Department of Psychology, Neuroscience & Behavior Program, Santa Barbara, CA.
- American University (2008). Department of Biology, Washington, DC.

- University of North Carolina (2007). Department of Psychology, Behavioral Neuroscience Program, Chapel Hill, NC.
- University of Maryland (2007). Department of Biology, Program in Neurobiology, Biophysics, and Development, College Park, Maryland.
- Johns Hopkins University (2007). Department of Psychological and Brain Sciences, Baltimore, MD.
- Michigan State University (2006). Psychology Department & Neuroscience Program, East Lansing, MI.
- American University (2005). Department of Psychology, Washington, DC.
- University of Illinois at Chicago (2005). Psychology Department & Center for Neuroscience, Chicago, IL.
- Florida State University (2004). Psychology Department & Neuroscience Program, Tallahassee, FL.
- Young Investigator Award Presentation (2004). Meeting of the Society for Behavioral Neuroendocrinology, Lisbon, Portugal.
- Ronald McNair Minority Student Conference, Keynote Address (2004). Univ at Buffalo, Buffalo, NY.
- Princeton University (2004). Psychology and Molecular Biology Departments, Princeton, NJ.
- University of Cincinnati College of Medicine (2001). Department of Molecular Biology & Neurobiology, Cincinnati, OH.

#### **Invitations to International Meetings:**

- Symposium, panel on: "Genes, transmitters, and sexual experience" (2006). Conference on Sex and Gene Expression, Breckenridge, CO.
- Chair Symposium "The Cincinnati Zoo: Endocrinology in Unusual Settings" (2003). Annual Meeting of the Society for Behavioral Neuroendocrinology, Cincinnati, OH.

#### **PUBLICATIONS:**

##### **Articles in refereed journals:**

- A.T. Westerman, P.G. Roma, E.T. Creed, Z.E. Hurwitz, **J.M. Dominguez** (*in press*). The antiepileptic primidone impairs male rat sexual behavior. *Pharmacology, Biochemistry, and Behavior*.
- J.M. Dominguez** (2009)\*. A role for preoptic glutamate in the regulation of male reproductive behavior. *The Neuroscientist*, 15: 11-19.
- S.J. Kohut, P.G. Roma, C.M. Davis, G. Zernig, A. Saria, **J.M. Dominguez**, K.C. Rice, A.L. Riley (2008). The impact of early environmental rearing condition on the discriminative stimulus and Fos expression induced by cocaine in adult male and female rats. *Psychopharmacology*.
- J.M. Dominguez**, M.E. Balfour, H.S. Lee, J.L. Brown, B.A. Davis, L.M. Coolen (2007). Mating activates NMDA receptors in the medial preoptic nucleus. *Behavioral Neuroscience*, 121: 1023-1031.
- E.M. Hull and **J.M. Dominguez** (2007)\*. Sexual behavior in male rodents. *Hormones and Behavior*, 52: 45-55.
- J.W. Muschamp, **J.M. Dominguez**, S. Sato, R.Y. Shen, E.M. Hull (2007). A role for hypocretin (orexin) in male sexual behavior. *The Journal of Neuroscience*, 27: 2837-2845.
- C.M. Davis, P.G. Roma, **J.M. Dominguez**, A.L. Riley (2007). Morphine-induced place conditioning in Fischer and Lewis rats: acquisition and dose-response in a fully biased procedure. *Pharmacology, Biochemistry, and Behavior*, 86: 516-523.
- J.M. Dominguez**, J.H. Brann, M. Gil, E.M. Hull (2006). Sexual experience increases nitric oxide synthase in the medial preoptic area of male rats. *Behavioral Neuroscience*, 120: 1389-1394.

- E.M. Hull and **J.M. Dominguez** (2006)\*. Getting his act together: Roles of glutamate, nitric oxide, and dopamine in the medial preoptic area. *Brain Research*, 1126: 66-75.
- J.M. Dominguez**, M. Gil, E.M. Hull (2006). Preoptic glutamate facilitates male sexual behavior. *The Journal of Neuroscience*, 26: 1699-1703.
- J.M. Dominguez** and E.M. Hull (2005)\*. Dopamine, the medial preoptic area, and male sexual behavior. *Physiology & Behavior*, 86: 356-368.
- J.M. Dominguez**, J.W. Muschamp, J.M. Schmich, E.M. Hull (2004). Nitric oxide mediates glutamate-evoked dopamine release in the medial preoptic area. *Neuroscience*, 125: 203-210.
- W.S. Powell, **J.M. Dominguez**, E.M. Hull (2003). An NMDA antagonist impairs copulation and the experience-induced enhancement of male sexual behavior in the rat. *Behavioral Neuroscience*, 117: 69-75.
- J.M. Dominguez** and E.M. Hull (2003). The medial amygdala regulates mating-induced dopamine release in the medial preoptic area. *Annals of the New York Academy of Sciences*, 985: 515-518.
- J.S. Lonstein, **J.M. Dominguez**, S.K. Putnam, G.J. De Vries, E.M. Hull (2003). Intracellular preoptic and striatal monoamines in pregnant and lactating rats: Possible role in maternal behavior. *Brain Research*, 970: 149-158.
- J.M. Dominguez** and E.M. Hull (2001). Stimulation of the medial amygdala enhances medial preoptic dopamine release: Implications for male rat sexual behavior. *Brain Research*, 917: 225-229.
- J. Dominguez**, J.V. Riolo, Z. Xu, E.M. Hull (2001). Regulation by the medial amygdala of copulation and medial preoptic dopamine release. *The Journal of Neuroscience*, 21: 349-355.
- L. Matuszewich, D. S. Lorrain, R. Trujillo, **J. Dominguez**, S.K. Putnam, E.M. Hull (1999). Partial antagonism of 8-OH-DPAT's effects on male rat sexual behavior with a D2 but not a 5-HT1A antagonist. *Brain Research*, 820: 55-62.
- E.M. Hull, L.A. Lumley, L. Matuszewich, **J. Dominguez**, J. Moses, D.S. Lorrain (1994). The roles of nitric oxide in sexual function of male rats. *Neuropharmacology*, 33: 1499-1504.

\* denotes review article.

### **Book chapters:**

- E.M. Hull and **J.M. Dominguez** (2003). Sex Behavior. In: *Handbook of Psychology, Biological Psychology (Vol. 3)*, M. Gallagher, R.J. Nelson, and I.B. Weiner (Eds). Wiley & Sons (part of a 12 vol. series covering all of Psychology): pp. 321-354.
- E.M. Hull, **J.M. Dominguez**, J. W. Muschamp (2006). Neurochemical mediators of male sexual behavior. In: *Handbook of Neurochemistry and Molecular Neurobiology (3rd Ed.)*, Abel Lajtha (editor-in-chief) and Jeffrey Blaustein (volume editor). Springer Publishers, New York, NY: pp. 37-94.

### **Book:**

- Hull, E. M. and **Dominguez, J.M.** Study Guide for Kalat's Biological Psychology Textbook, Wadsworth Press, Tenth Edition, 2009.

### **Manuscripts under review/ in preparation**

- Activation of serotonin receptors in the lateral hypothalamus inhibits male sexual behavior.
- Serotonin attenuates mating-induced glutamate activity in the medial preoptic area: Implications for impaired libido resulting from SSRIs.
- The medial amygdala and rat sexual behavior.

**PRESENTATIONS AND PUBLISHED ABSTRACTS:**

- J.M. Dominguez**, P.G. Roma, A.T. Westerman (2008). Assessing the role of the medial preoptic area in ethanol-induced hypothermia and ataxia. *Meeting of the Society for Neuroscience (38<sup>th</sup> Annual Meeting)*, Washington, DC.
- H.K. Kleitz, **J.M. Dominguez**, G.F. Ball (2008). Extracellular dopamine release in the medial preoptic area of male Japanese quail as measured by in vivo microdialysis during sexual behavior. *Meeting of the Society for Behavioral Neuroendocrinology*, Groningen, Netherlands.
- A.T. Westerman, P.G. Roma, and **J.M. Dominguez** (2007). The antiepileptic primidone impairs male sexual behavior. *Meeting of the Society for Neuroscience (37<sup>th</sup> Annual Meeting)*, San Diego, CA.
- J.W. Muschamp, **J.M. Dominguez**, S.M. Sato, R.Y. Shen, E.M. Hull (2007). Increased Fos-immunoreactivity in hypocretin (orexin)-apposed ventral tegmental area dopamine neurons during male rat sexual behavior. *Meeting of the Society for Neuroscience (37<sup>th</sup> Annual Meeting)*, San Diego, CA.
- T. Blutstein, L. Risley, B. K. Yamamoto, **J.M. Dominguez**, J. A. Mong (2007). Estradiol modulates vesicular glutamate content in the arcuate nucleus. *Meeting of the Society for Neuroscience (37<sup>th</sup> Annual Meeting)*, San Diego, CA.
- J.M. Dominguez** and E.M. Hull (2006). Serotonin inhibits mating-induced glutamate activity in the medial preoptic area: Implications for impaired libido resulting from SSRIs. *Meeting of the Society for Neuroscience (36<sup>th</sup> Annual Meeting)*, Atlanta, GA.
- J.M. Dominguez**, M. Gil, and E.M. Hull (2006). Mating-induced glutamate release in the medial preoptic area of male rats: Regulation of ejaculation and refractory period. *Meeting of the Society for Behavioral Neuroendocrinology*, Pittsburgh, PA.
- J.W. Muschamp, S. Sato, **J.M. Dominguez**, and E.M. Hull (2006). Gonadal regulation of hypocretin (orexin) immunoreactivity in male rats hypothalamus. *Meeting of the Society for Behavioral Neuroendocrinology*, Pittsburgh, PA.
- J.M. Dominguez**, M. Gil, J.H. Brann, and E.M. Hull (2005). Serotonin inhibits mating-induced glutamate activity in the medial preoptic area: Implications for impaired libido resulting from SSRIs. *American College of Neuropsychopharmacology (ACNP) 44<sup>th</sup> annual meeting*, Waikoloa, Hawaii
- J.M. Dominguez**, M. Gil, A.F. Hood, and E.M. Hull (2005). Mating-induced glutamate release in the medial preoptic area of male rats: Regulation of ejaculation and refractory period. *Meeting of the Society for Neuroscience (35<sup>th</sup> Annual Meeting)*, Washington, D.C.
- M. Gil, D.J. Smith, A. Hood, **J.M. Dominguez**, and E.M. Hull (2005). cAMP-dependent protein kinase inhibition in the medial preoptic area impairs copulatory behaviors in male rats. *Meeting of the Society for Neuroscience (35<sup>th</sup> Annual Meeting)*, Washington, D.C.
- J.M. Dominguez**, M. Gil, A.F. Hood, and E.M. Hull (2005). Sexual experience increases nitric oxide synthase in the medial preoptic area of male rats. *Meeting of the Society for Behavioral Neuroendocrinology*, Austin, Texas
- M. Gil, D.J. Smith, A. Hood, **J.M. Dominguez**, and E.M. Hull (2005). cAMP-dependent protein kinase inhibition in the medial preoptic area impairs copulatory behaviors in male rats. *Meeting of the Society for Behavioral Neuroendocrinology*, Austin, Texas
- M.M.W. Straiko, L.M. Coolen, W.J Jenkins, **J.M. Dominguez**, and G.A. Gudelsky (2004). Treatment with a monoamine-depleting regimen of MDMA diminishes the rewarding properties of sex in male rats. *Meeting of the Ohio Miami Valley Chapter of Society for Neuroscience*, Wright State University, Dayton, Ohio.
- J.M. Dominguez**, M. Gil, and E.M. Hull (2004). Colocalization of nitric oxide synthase with NMDA receptors in the medial preoptic area: implications for sexual behavior. *Meeting of The Society for Neuroscience (34<sup>th</sup> Annual Meeting)*, San Diego, California

- M. Gil, D.J. Smith, **J.M. Dominguez**, and E.M. Hull (2004). The effects of cAMP-dependent protein kinase inhibition in the medial preoptic area on copulatory behaviors in sexually naïve rats. *Meeting of The Society for Neuroscience (34<sup>th</sup> Annual Meeting)*, San Diego, California
- M.M.W. Straiko, L.M. Coolen, W.J Jenkins, **J.M. Dominguez**, and G.A. Gudelsky (2004). Treatment with a monoamine-depleting regimen of MDMA diminishes the rewarding properties of sex in male rats. *Meeting of The Society for Neuroscience (34<sup>th</sup> Annual Meeting)*, San Diego, California
- J.M. Dominguez** (2004; Young Investigator Award Presentation). Activation of NMDA receptors in the medial preoptic nucleus is essential for the expression of male sexual behavior. *Meeting of the Society for Behavioral Neuroendocrinology*, Lisbon, Portugal
- J.F. Davis, M.E. Balfour, B.J. Aronow, W.A. Truitt, **J.M. Dominguez**, W.J. Jenkins, and L.M. Coolen (2004). Male sexual behavior causes transcriptional alterations of the mesolimbic system. *Meeting of the Society for Behavioral Neuroendocrinology*, Lisbon, Portugal
- J.M. Dominguez**, M.E. Balfour, and L.M. Coolen (2003). Copulation-induced activation of NMDA and AMPA receptor containing neurons in the medial preoptic nucleus (*slide presentation*). *Meeting of The Society for Neuroscience (33<sup>rd</sup> Annual Meeting)*, New Orleans, Louisiana
- J.M. Dominguez**, M.E. Balfour, and L.M. Coolen (2003). Copulation-induced activation of NMDA receptor containing neurons in the medial preoptic nucleus. *Meeting of the Society for Behavioral Neuroendocrinology*, Cincinnati, Ohio
- W.A. Truitt, **J.M. Dominguez**, and L.M. Coolen (2003). Galanin infusions into the medial parvocellular subparafascicular thalamic nucleus inhibit male sexual behavior. *Meeting of the Society for Behavioral Neuroendocrinology*, Cincinnati, Ohio
- J.M. Dominguez**, J.W. Muschamp, C.D. Cedeno, J.M. Schmich, and E.M. Hull (2003). Glutamate-evoked dopamine release in the medial preoptic area is mediated by nitric oxide: Implications for male rat sexual behavior. *Glutamate and Disorders of Cognition and Motivation, a New York Academy of Sciences Conference*, Yale University, New Haven, CT
- J.M. Dominguez**, J.W. Muschamp, C.D. Cedeno, J.M. Schmich, and E.M. Hull (2002). Glutamate-evoked dopamine release in the medial preoptic area is mediated by nitric oxide: Implications for male rat sexual behavior. *Meeting of The Society for Neuroscience (32<sup>nd</sup> Annual Meeting)*, Orlando, Florida
- C.S. Faulring, R. Cruz, **J.M. Dominguez**, and E.M. Hull (2002). Chronic fluoxetine inhibits sexual behavior in the male rat: Reversal with 8-OH-DPAT and LY-53,857. *Meeting of The Society for Neuroscience (32<sup>nd</sup> Annual Meeting)*, Orlando, Florida
- S. Sato, J.V. Riolo, **J.M. Dominguez**, and E.M. Hull (2002). Does cyclic GMP mediate the NO-induced DA release in the male rat MPOA? *Meeting of The Society for Neuroscience (32<sup>nd</sup> Annual Meeting)*, Orlando, Florida
- J.M. Dominguez**, J.W. Muschamp, C.D. Cedeno, J.M. Schmich, and E.M. Hull (2002). Glutamate-evoked dopamine release in the medial preoptic area is mediated by nitric oxide: Implications for male rat sexual behavior. *Meeting of the Society for Behavioral Neuroendocrinology*, Amherst, Massachusetts
- C.S. Faulring, R. Cruz, **J.M. Dominguez**, and E.M. Hull (2002). Chronic fluoxetine inhibits sexual behavior in the male rat: Reversal with 8-OH-DPAT and LY-53,857. *Meeting of the Society for Behavioral Neuroendocrinology*, Amherst, Massachusetts
- S. Sato, J.V. Riolo, **J.M. Dominguez**, and E.M. Hull (2002). Does cyclic GMP mediate the NO-induced DA release in the male rat MPOA? *Meeting of the Society for Behavioral Neuroendocrinology*, Amherst, Massachusetts

- J.M. Dominguez** and E.M. Hull (2002). The medial amygdala regulates mating-induced dopamine release in the medial preoptic area. *Meeting of the International Academy of Sex Research*, Hamburg, Germany
- J.M. Dominguez**, J.W. Muschamp, C.D. Cedeno, J.M. Schmich, and E.M. Hull (2002). Glutamate-evoked dopamine release in the medial preoptic area is mediated by nitric oxide: Implications for male rat sexual behavior. *Society for Sigma Xi Chapter Meeting*, Buffalo, New York
- J.M. Dominguez** and E.M. Hull (2002). The medial amygdala regulates mating-induced dopamine release in the medial preoptic area. *The Amygdala in Brain Function: Basic and Clinical Approaches, a New York Academy of Sciences Conference*, Galveston, Texas
- J.M. Dominguez**, D.J. Smith, C.S. Faulring, E.M. Hull (2001). Stimulation of the medial amygdala induces medial preoptic dopamine release: Implications for male sexual behavior. *Meeting of The Society for Neuroscience (31<sup>st</sup> Annual Meeting)*, San Diego, California
- J.S. Lonstein, **J.M. Dominguez**, S.K. Putnam, G.J. De Vries, E.M. Hull (2001). Intracellular preoptic and striatal dopamine and serotonin during pregnancy and lactation in rats. *Meeting of The Society for Neuroscience (31<sup>st</sup> Annual Meeting)*, San Diego, California
- D.J. Smith, **J.M. Dominguez**, E.M. Hull (2001). Reversal of sexual satiety by a 5HT2 receptor antagonist. *Meeting of The Society for Neuroscience (31<sup>st</sup> Annual Meeting)*, San Diego, California
- J.M. Dominguez**, D.J. Smith, C.S. Faulring, E.M. Hull (2001). Stimulation of the medial amygdala induces medial preoptic dopamine release: Implications for male sexual behavior. *Meeting of the Society for Behavioral Neuroendocrinology*, Scottsdale, Arizona
- J.S. Lonstein, **J.M. Dominguez**, S.K. Putnam, G.J. De Vries, E.M. Hull (2001). Intracellular preoptic dopamine and serotonin during pregnancy and lactation in rats. *Meeting of the Society for Behavioral Neuroendocrinology*, Scottsdale, Arizona
- D.J. Smith, **J.M. Dominguez**, E.M. Hull (2001). Reversal of sexual satiety by a 5HT2 receptor antagonist. *Meeting of the Society for Behavioral Neuroendocrinology*, Scottsdale, Arizona
- J.M. Dominguez**, D.J. Smith, C.S. Faulring, E.M. Hull (2001). Stimulation of the medial amygdala induces medial preoptic dopamine release: Implications for male sexual behavior. *Society for Sigma Xi Chapter Meeting*, Buffalo, New York
- D.J. Smith, **J.M. Dominguez**, E.M. Hull (2001). Reversal of sexual satiety by a 5HT2 receptor antagonist. *Society for Sigma Xi, Chapter Meeting*, Buffalo, New York
- J. Dominguez**, J.V. Riolo, Z. Xu, E.M. Hull (2001). Lesions of the medial amygdala impair copulation and attenuate extracellular dopamine in the MPOA. *9<sup>th</sup> International Conference on in vivo Methods: Monitoring Molecules in Neuroscience*, Dublin, Ireland
- J. Dominguez**, J.V. Riolo, Z. Xu, E.M. Hull (2001). Lesions of the medial amygdala impair copulation and attenuate extracellular dopamine in the MPOA. *32<sup>nd</sup> Annual Winter Conference on Brain Research*, Steamboat Springs, Colorado
- J. Dominguez**, J.V. Riolo, Z. Xu, E.M. Hull (2000). Lesions of the medial amygdala impair copulation and attenuate extracellular dopamine in the MPOA. *Meeting of The Society for Neuroscience (30<sup>th</sup> Annual Meeting)*, New Orleans, Louisiana
- J. Dominguez**, J.V. Riolo, Z. Xu, E.M. Hull (2000). Lesions of the medial amygdala impair copulation and attenuate extracellular dopamine in the MPOA. *Meeting of the Society for Behavioral Neuroendocrinology*, Madrid, Spain
- J. Dominguez**, J.V. Riolo, Z. Xu, E.M. Hull (2000). Lesions of the medial amygdala impair copulation and attenuate extracellular dopamine in the MPOA. *Society for Sigma Xi, Chapter Meeting*, Buffalo, New York

- J. Dominguez** and E.M. Hull (1999). Influence of olfactory exposure to an estrous female on nitric oxide synthase in the MPOA of male rats. *Meeting of The Society for Neuroscience (29<sup>th</sup> Annual Meeting)*, Miami Beach, Florida
- J. Dominguez** and E.M. Hull (1999). Influence of olfactory exposure to an estrous female on nitric oxide synthase in the MPOA of male rats. *Meeting of the Society for Behavioral Neuroendocrinology*, Charlottesville, Virginia
- J.J. Panos, S. Sato, W.S. Powell, S.K. Putnam, J. Du, V.P Markowski, **J. Dominguez**, E.M. Hull (1998). The effects of prenatal TCDD treatment on male sexual behavior in rats. *Meeting of The Society for Neuroscience (28<sup>th</sup> Annual Meeting)*, Los Angeles, California
- D.S. Lorrain, L. Matuszewich, R.D. Friedman, **J. Dominguez**, S.K. Putnam, E.M. Hull (1997). Lateral hypothalamic 5-HT release may influence mesolimbic dopamine during the male rat's PEI. *Meeting of The Society for Neuroscience (27<sup>th</sup> Annual Meeting)*, New Orleans, Louisiana
- J. Dominguez**, R. Davis, D. Lorrain, E.M. Hull (1997). A dopamine agonist in the MPOA of male rats restores copulation after amygdala lesions. *Meeting of the Society for Behavioral Neuroendocrinology*, Baltimore, Maryland
- J. Du, **J. Dominguez**, J. Wang, S. Putnam, E.M. Hull (1997). Dopamine facilitation of copulation in castrates depends on steroid hormone receptors. *Meeting of the Society for Behavioral Neuroendocrinology*, Baltimore, Maryland
- J. Dominguez**, R. Davis, D. Lorrain, E.M. Hull (1997). A dopamine agonist in the MPOA of male rats restores copulation after amygdala lesions. *Society for Sigma Xi, Chapter Meeting*, Buffalo, New York
- J. Dominguez** and E.M. Hull (1995). Inhibition of nitric oxide synthase impairs copulation, but not sexual motivation or motor activity, in male rats. *Society for Sigma Xi, Chapter Meeting*, Buffalo, New York
- J. Dominguez** and E.M. Hull (1994). Inhibition of nitric oxide synthase impairs copulation, but not sexual motivation or motor activity, in male rats. *National Ronald McNair Scholars Meeting*, State College, Pennsylvania
- J. Dominguez** and E.M. Hull (1994). Inhibition of nitric oxide synthase impairs copulation, but not sexual motivation or motor activity, in male rats. *26<sup>th</sup> Conference on Reproductive Behavior*, Bethlehem, Pennsylvania

## **TEACHING EXPERIENCE:**

### **Principal Instructor (course title):**

Hormones and Behavior (*Fall 2006\**, 2007); Neurobiological Basis of Behavior (*Spring 2007, 2008*); Physiological Psychology (*Spring 2007\**); Sensation and Perception (*Fall 2006, 2007*); Brain and Behavior (*Fall 2005; Summer 2006*); Biopsychology of Reproduction (*Fall 2001*); Introduction to Psychology (*Summer 1998; Fall 1998, 2000, 2008; Spring 2009*); Psychology as a Natural Science (*Spring 2008*); Biological Basis of Mental Disorders (*Summer 1999; Fall 1999*); Advances in Mental and Neurobiological Disorders (*Spring 1999*); Behavioral Neuroscience (*Fall 1998*). (\* denotes graduate course)

Teaching Assistant: Introduction to Psychology (*Fall 1997*); Psychology of Social Conflict and its Resolutions (*Spring 1997*); Biological Psychology (*Spring 1998*).

Co-instructor in the EXSEL program (Cincinnati, OH, Summer 2003), University of Cincinnati College of Medicine.

### **Guest Lectures:**

"Sexual behavior: A prototypic model for understanding motivated behaviors"

2/2004, Dept. Psychology, Princeton University, Princeton, N.J.

1/2004, Dept. Psychology, Xavier University, Cincinnati, OH.

10/1998, 10/1999, 6/2000, 1/2001, 7/2002, Dept. Psychology, University at Buffalo, Buffalo, N.Y.  
10/2008, Women in Psychology, Undergraduate Psychology Student Association, U Texas Austin  
10/2008, Synapse, Neurobiology Student Association, U Texas Austin  
*"Neuroendocrinology of sexual differentiation"*  
2/2007, Dept. Psychology, American University, Washington, DC.  
*"The brain and reproductive behaviors in males: A rat's tale"*  
10/2008 Department of Psychology; 2/2009, School of Biological Sciences, U Texas Austin; 2/2009, Department of Psychology; 3/2009, Department of Psychology.

**Supervision of Undergraduate Projects:**

Rebecca Price, 2007- 2008  
Anna Olsen, 2007- 2008  
Sofia M. Muñiz, 2007- 2008 (Ronald McNair Student); Graduated May 2008  
Zachary Hurwitz, 2007- 2008; Graduated May 2008; Graduate Student, American University, Department of Psychology.  
Ashley T. Westerman, 2006- 2008; Graduated May 2008, Summa Cum Laude; Graduate student, The University of Texas at Austin, Department of Psychology.  
Christie Pizzimenti, 2006- 2008. Graduated May 2008; Graduate student, University of Rochester School of Medicine and Dentistry, Department of Neurobiology and Anatomy.  
Elizabeth Beaudry, 2006- 2007. Graduated May 2007; Sibley Hospital, Washington, DC  
Kristin Clements, 2006- 2007. Graduated May 2007; Research Assistant at Walter Reed Army Medical Institute.  
Jenny M. Schmich, 2001- 2002. Graduated May 2002, then attended graduate school in the University at Buffalo School of Medicine and Biomedical Sciences.  
Whitney S. Powell, 2000- 2001. Graduated May 2001, then attended graduate school at New York University, College of Arts and Sciences.

**Supervision of Doctoral Dissertation:**

Daniel Tobiansky, BS, 2006, DePaul University; MA, 2009, Florida Atlantic University.  
Ashley Westerman, BA, 2008; MA, 2009, American University, Washington DC.

**Member, Doctoral Dissertation Committees:**

Michelle Naugle, College of Pharmacy, Institute for Neuroscience, The University of Texas at Austin.  
Eimeira Padilla, Department of Psychology, Institute for Neuroscience, The University of Texas at Austin.  
Christel Bastida, Department of Psychology, Institute for Neuroscience, The University of Texas at Austin.  
Lauren Munchrath, School of Biological Sciences, Department of Cell and Molecular Biology, The University of Texas at Austin.  
Pete Roma, Department of Psychology; Behavior, Cognition and Neuroscience Program, American University. (Defended, May 2008)  
Kevin Freeman, Department of Psychology; Behavior, Cognition and Neuroscience Program, American University (Defended, March 2007).  
Jermaine Jones, Department of Psychology; Behavior, Cognition and Neuroscience Program, American University.  
Patricia Hall, Department of Biology; Behavior, Cognition and Neuroscience Program, American University.

Tamara Blutstein, Department of Pharmacology & Experimental Therapeutics, University of Maryland, School of Medicine.

**Member, Masters Thesis Committees:**

Terena Herbert, Department of Chemistry; Behavior, Cognition and Neuroscience Program, American University.  
Sarah Moore, Department of Psychology; Clinical Psychology Program, American University (Defended, October 2007).  
Stephen J. Kohut, Department of Psychology; Behavior, Cognition and Neuroscience Program, American University (Defended, May 2007).  
Jennifer Rinker, Department of Psychology; Behavior, Cognition and Neuroscience Program, American University (Defended, June 2007).

**PROFESSIONAL SERVICES:**

*Director, Summer Research Program, The University of Texas at Austin, Dept of Psychology (2008-present)*  
*Institutional Animal Care and Use Committee, American University (2006 - 2008)*  
*Graduate Curriculum Committee, American University (2006 - 2008)*  
*Premed Committee, American University (2006 - 2008)*  
*Ronald McNair Mentor, American University (2006 - 2008)*  
*Education Committee, The Society for Behavioral Neuroendocrinology (2003 - 2005).*  
*Graduate Studies Committee, Department of Psychology, University at Buffalo (1997 - 2001).*

**Non-committee Services:**

*Judge for presentations in neuroscience.* National Research Conference for Historically Black Colleges and Universities Undergraduate Programs (HBCU-UP).

**AD HOC REVIEWS:**

Behavioral Neuroscience  
Biological Psychiatry  
Brain Research  
Brain Research Bulletin  
Chinese Journal of Physiology  
Developmental Neurobiology  
European Journal of Neuroscience  
Genes, Brain and Behavior  
Hormones and Behavior  
Journal of Neuroendocrinology  
Journal of Neuroscience  
Journal of Sexual Medicine  
Learning and Behavior  
Naturwissenschaften  
Neuroscience  
Neuroscience and Biobehavioral Reviews  
Neuropsychopharmacology  
Pharmacology, Biochemistry and Behavior  
Physiology and Behavior  
Psychoneuroendocrinology

**PROFESSIONAL SOCIETIES:**

American Association for the Advancement of Science

American Psychological Association  
Eastern Psychological Association  
International Behavioral Neuroscience Society  
Molecular and Cellular Cognition Society  
New York Academy of Sciences  
Organization for the Study of Sex Differences  
Sigma Xi, The Scientific Research Society  
Society for Behavioral Neuroendocrinology  
Society for Neuroscience  
Society for Women's Health Research  
Society of Biological Psychiatry