

Curriculum Vitae
Juan M. Dominguez, Ph.D.

The University of Texas at Austin

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University Centers and Institute:

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

EDUCATION:

Ph.D. in Psychology, Behavioral Neuroscience (2002), Department of Psychology, University at Buffalo, The State University of New York, Buffalo, NY.

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

ACADEMIC POSITIONS:

- 2020 - Present *Professor*. The University of Texas at Austin, Department of Psychology, Department of Pharmacology & Toxicology, and Institute for Neuroscience.
- 2016 - 2019 *Faculty Advisor, Graduate Studies*. The University of Texas at Austin, Department of Psychology.
- 2014 - 2016: *Faculty Advisor, Undergraduate Studies*. The University of Texas at Austin, Department of Psychology.
- 2012 - 2014: *Area Chair, Behavioral Neuroscience*. The University of Texas at Austin, Department of Psychology.
- 2012 - 2020: *Associate Professor*. The University of Texas at Austin, Department of Psychology and Institute for Neuroscience.
- 2008 - 2012: *Assistant Professor*. The University of Texas at Austin, Department of Psychology and Institute for Neuroscience.
- 2006 - 2008: *Assistant Professor*. American University, Washington D.C., Department of Psychology; Behavior, Cognition, and Neuroscience Graduate Program.
- 2004 - 2006: *Associate Research Professor*. 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.)

AWARDS & HONORS:

- Dean's Leadership Fellow, The University of Texas at Austin, 2017-2018.
- Award for Contribution to Academic Endeavors of Students with Disabilities, The University of Texas at Austin, 2018.
- The Holleran Steiker Award for Creative Student Engagement, The School of Undergraduate Studies, The University of Texas at Austin, December 2016.
- Alma Idell Carlson Fellow, The University of Texas at Austin, 2016-present.
- Provost Teaching Fellow, The University of Texas at Austin, 2015.
- Elected, Membership Board, American Psychological Association, Jan 2015- Jan 2018.
- Fellow of The American Psychological Association, inducted August 2014, Washington DC.
- Editorial Awards (Elsevier): *Hormones and Behavior* (2013); *Physiology and Behavior* (2013); *Physiology and Behavior* (2007).
- Distinguished University Lecturer, The University of Texas at Austin, 2012.
- The Society for Teaching Excellence, The University of Texas at Austin, inducted Fall 2011.
- Andrew W. Mellon Foundation, Career Award, awarded November 2006.
- Text and Academic Authors Association publication award.
- 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, University at Buffalo, 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, 9th 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, University at Buffalo, The State University of New York, Buffalo, NY (1999).
- Ronald E. McNair Scholar (1995).

RESEARCH

PUBLICATIONS:

Articles in refereed journals:

1. Gordon-Fennell, A.G., Will, R.G., Ramachandra, V., Gordon-Fennell, L., Dominguez, J.M., Zahm, D.S., Marinelli, M. (2020). The Lateral Preoptic Area: A Novel Regulator of Reward Seeking and Neuronal Activity in the Ventral Tegmental Area. *Frontiers in Neuroscience*, 13:1433. doi: 10.3389/fnins.2019.01433 (peer-reviewed)
2. Turner, J.M., Will, R.G., Harvey, E.A., Hattori, T., Tobiansky, D.J., Nutsch, V.L., Martz, J.R., & Dominguez, J.M. (*in press*). Copulation induces expression of the immediate early gene Arc in mating-relevant brain regions of the male rat. *Behavioural Brain Research*. (peer-reviewed)
3. Hull, E.M. & Dominguez, J.M. (2019)*. Neuroendocrine regulation of male sexual behavior. *Comprehensive Physiology*, 9: 1383-1410. (peer-reviewed)

4. Dominguez, J.M. & Kippin, T.E. (2019). Introduction to Special Issue: Hormones, Sex Differences, and Drug Response. *Physiology and Behavior*, 203: 1-2.
5. Robison, C.L., Martz, J.R., & Dominguez, J.M. (2018). Influence of preoptic estradiol on behavioral and neural response to cocaine in female Sprague-Dawley rats. *Psychopharmacology*, 235: 663-672. (peer-reviewed)
6. Nutsch, V.L., Will, R.G., Tobiansky, D.J., Reilly, M.P., Gore, A.C., & Dominguez, J.M. (2017). Age-related changes in sexual function and steroid-hormone receptors in the medial preoptic area of male rats. *Hormones and Behavior*, 96: 4-12. (peer-reviewed)
7. Nutsch, V.L., Bell, M.R., Will, R.G., Yin, W., Wolfe, A., Gillete, R., Dominguez, J.M., & Gore, A.C. (2017). Aging and estradiol effects on gene expression in the medial preoptic area, bed nucleus of the stria terminalis, and posterodorsal medial amygdala of male rats. *Molecular and Cellular Endocrinology*, 442: 153-164. (peer-reviewed).
8. Nutsch, V.L., Will, R.G., Robison, C.L., Martz, J.R., Tobiansky, D.J., & Dominguez, J.M. (2016). Colocalization of mating-induced Fos and D2-like dopamine receptors in the medial preoptic area: Influence of sexual experience. *Frontiers in Behavioral Neuroscience*, doi: 10.3389/fnbeh.2016.00075. (peer-reviewed).
9. Will, R.G., Martz, J.R., & Dominguez, J.M. (2016). The medial preoptic area modulates cocaine-induced locomotion in male rats. *Behavioural Brain Research*, 305: 218-222. (peer-reviewed)
10. Tobiansky, D.J., Will R.G., Lominac, K.D., Turner, J.M., Hattori, T., Krishnan, K., Martz, J.R., Nutsch, V.L., & Dominguez, J.M. (2016). Estradiol in the preoptic area regulates the dopaminergic response to cocaine in the nucleus accumbens. *Neuropsychopharmacology*, 41(7): 1897-1906. (peer-reviewed)
11. Will, R.G., Nutsch, V.L., Turner, J.T., Hattori, T., & Dominguez, J.M. (2015). Astrocytes in the medial preoptic area modulate ejaculation latency in an experience-dependent fashion. *Behavioral Neuroscience*, 129: 68-73. (peer-reviewed)
12. Nutsch, V.L., Will, R.G., Hattori, T., Tobiansky, D.J., & Dominguez, J.M. (2014). Sexual experience influences mating-induced activity in nitric oxide synthase-containing neurons in the medial preoptic area. *Neuroscience Letters*, 579: 92-96. (peer-reviewed)
13. Will R.G., Hull, E.M., & Dominguez, J.M. (2014)*. Influences of dopamine and glutamate in the medial preoptic area on male sexual behavior. *Pharmacology, Biochemistry & Behavior*, 121: 115-123. (peer-reviewed)
14. Tobiansky, D.J., Roma, P.G., Hattori, T., Will, R.G., Nutsch, V.L., & Dominguez, J.M. (2013). The medial preoptic area modulates cocaine-induced activity in female rats. *Behavioral Neuroscience*, 127(2): 293-302. (peer-reviewed)
15. Tobiansky, D.J., Hattori, T., Scott, J.M., Nutsch, V.L., Roma, P.G., & Dominguez, J.M. (2012). Sex-relevant olfactory stimuli activate the rat brain in an age-dependent manner. *NeuroReport*, 23: 1077-1083. (peer-reviewed)
16. Kleitz-Nelson, H. K., Dominguez, J. M., & Ball, G. F. (2010). A comparative approach to the study of dopamine and male sexual behavior: What can Japanese quail teach us? A reply to Pfaus (2010) *Behavioral Neuroscience*, 124(6), 881-883. (peer-reviewed)

17. Kleitz-Nelson, H. K., Dominguez, J. M., & Ball, G. F. (2010). Dopamine release in the medial preoptic area is related to hormonal action and sexual motivation. *Behavioral Neuroscience*, *124*(6), 773-779. (peer-reviewed)
18. Dominguez, J. M., & Hull, E. M. (2010). Serotonin impairs copulation and attenuates ejaculation-induced glutamate activity in the medial preoptic area. *Behavioral Neuroscience*, *124*(4), 554-557. (peer-reviewed)
19. Westerman, A. T., Roma, P. G., Price, R. C., & Dominguez, J. M. (2010). Assessing the role of the medial preoptic area in ethanol-induced hypothermia. *Neuroscience Letters*, *475*(1), 25-28. (peer-reviewed)
20. Kleitz-Nelson, H. K., Dominguez, J. M., Cornil, C. A., & Ball, G. F. (2010). Is sexual motivational state linked to dopamine release in the medial preoptic area? *Behavioral Neuroscience*, *124*(2), 300-304. (peer-reviewed)
21. Westerman, A. T., Roma, P. G., Creed, E. T., Hurwitz, Z. E., & Dominguez, J. M. (2009). The antiepileptic primidone impairs male rat sexual behavior. *Pharmacology, Biochemistry, and Behavior*, *93*(2), 160-164. (peer-reviewed)
22. Dominguez, J. M. (2009). A role for preoptic glutamate in the regulation of male reproductive behavior. *The Neuroscientist*, *15*(1), 11-19. (peer-reviewed)
23. Kohut, S. J., Roma, P. G., Davis, C. M., Zernig, G., Saria, A., Dominguez, J. M., Rice, K. C., & Riley, A. L. (2009). The impact of early environmental rearing condition on the discriminative stimulus effects and Fos expression induced by cocaine in adult male and female rats. *Psychopharmacology*, *203*(2), 383-397. (peer-reviewed)
24. Dominguez, J. M., Balfour, M. E., Lee, H. S., Brown, J. L., Davis, B. A., & Coolen, L. M. (2007). Mating activates NMDA receptors in the medial preoptic area of male rats. *Behavioral Neuroscience*, *121*(5), 1023-1031. (peer-reviewed)
25. Hull, E. M. & Dominguez, J. M. (2007)*. Sexual behavior in male rodents. *Hormones and Behavior*, *52*(1), 45-55. (peer-reviewed)
26. Muschamp, J. W., Dominguez, J. M., Sato, S., Shen, R. Y., & Hull, E. M. (2007). A role for hypocretin (orexin) in male sexual behavior. *The Journal of Neuroscience*, *27*(11), 2837-2845. (peer-reviewed)
27. Davis, C. M., Roma, P. G., Dominguez, J. M., & Riley, A. L. (2007). Morphine-induced place conditioning in Fischer and Lewis rats: Acquisition and dose-response in a fully biased procedure. *Pharmacology, Biochemistry, and Behavior*, *86*(3), 516-523. (peer-reviewed)
28. Dominguez, J. M., Brann, J. H., Gil, M., & Hull, E. M. (2006). Sexual experience increases nitric oxide synthase in the medial preoptic area of male rats. *Behavioral Neuroscience*, *120*(6), 1389-1394. (peer-reviewed)
29. Hull, E. M. & Dominguez, J. M. (2006)*. Getting his act together: Roles of glutamate, nitric oxide, and dopamine in the medial preoptic area. *Brain Research*, *1126*(1), 66-75. (peer-reviewed)
30. Dominguez, J. M., Gil, M., & Hull, E. M. (2006). Preoptic glutamate facilitates male sexual behavior. *The Journal of Neuroscience*, *26*(6), 1699-1703. (peer-reviewed)
31. Dominguez, J. M. & Hull, E. M. (2005)*. Dopamine, the medial preoptic area, and male sexual behavior. *Physiology & Behavior*, *86*(3), 356-368. (peer-reviewed)
32. Dominguez, J. M., Muschamp, J. W., Schmich, J. M., & Hull, E. M. (2004). Nitric oxide mediates glutamate-evoked dopamine release in the medial preoptic area. *Neuroscience*, *125*(1), 203-210. (peer-reviewed)

33. Powell, W. S., Dominguez, J. M., & Hull, E. M. (2003). An NMDA antagonist impairs copulation and the experience-induced enhancement of male sexual behavior in the rat. *Behavioral Neuroscience*, 117(1), 69-75. (peer-reviewed)
34. Dominguez, J. M. & Hull, E. M. (2003). Medial amygdala regulates mating-induced dopamine release in medial preoptic area. *Annals of the New York Academy of Sciences*, 985(1), 515-518. (peer-reviewed)
35. Lonstein, J. S., Dominguez, J. M., Putnam, S. K., De Vries, G. J., & Hull, E. M. (2003). Intracellular preoptic and striatal monoamines in pregnant and lactating rats: Possible role in maternal behavior. *Brain Research*, 970(1-2), 149-158. (peer-reviewed)
36. Dominguez, J. M., & Hull, E. M. (2001). Stimulation of the medial amygdala enhances medial preoptic dopamine release: Implications for male rat sexual behavior. *Brain Research*, 917(2), 225-229. (peer-reviewed)
37. Dominguez, J. M., Riolo, J. V., Xu, Z., & Hull, E. M. (2001). Regulation by the medial amygdala of copulation and medial preoptic dopamine release. *The Journal of Neuroscience*, 21(1), 349-355. (peer-reviewed)
38. Matuszewich, L., Lorrain, D. S., Trujillo, R., Dominguez, J. M., Putnam, S. K., & Hull, E. M. (1999). Partial antagonism of 8-OH-DPAT's effects on male rat sexual behavior with a D₂, but not a 5-HT_{1A}, antagonist. *Brain Research*, 820(1-2), 55-62. (peer-reviewed)
39. Hull, E. M., Lumley, L. A., Matuszewich, L., Dominguez, J. M., Moses, J., & Lorrain, D. S. (1994). The roles of nitric oxide in sexual function of male rats. *Neuropharmacology*, 33(11), 1499-1504. (peer-reviewed)

*Denotes review article.

Articles forthcoming:

- Nutsch, V.L. and Dominguez, J.M. (Invited review article for special issue of *Endocrinology*). Estradiol and the aging male brain.
- Martz, J.R., Tobiansky, D.J., Robison, C.L., Roma, P.G. & Dominguez, J.M. (review). The medial preoptic area modulates cocaine-induced neural and behavioral activity: Implications for sexually dimorphic drug response.
- Dominguez, J.M. (invited review). Brain Mechanisms of Sexual Behavior. Encyclopedia of Behavioural Neuroscience 2nd ed. published by Elsevier.
- Nutsch, V.L., Wu, D., Martz, J.R., Gore, A.C., and Dominguez, J.M. Influences of age and sexual experience on phosphorylation of NMDA receptors in the medial preoptic area of male rats.

Book chapters:

40. Hull, E.M. & Dominguez, J.M. (2014). Male sexual behavior. In McCarthy, M. (Ed.), *Knobil and Neill's: Physiology of Reproduction* (pp. 2211-2285). Academic Press.
41. Hull, E. M. & Dominguez, J. M. (2012). Sexual behavior. In R.J. Nelson and S. Mizumori (Eds.), *Handbook of Psychology, 2nd edition, Vol. 3, Behavioral Neuroscience* (pp. 331-364). Wiley & Sons.
42. Hull, E. M., Dominguez, J. M., & Muschamp, J. W. (2006). Neurochemistry of male sexual behavior. In Abel Lajtha & Jeffrey Blaustein (Eds.). *Handbook of Neurochemistry and Molecular Neurobiology 3rd Edition* (pp. 37-94). New York, NY: Springer Publishers.
43. Hull, E. M., & Dominguez, J. M. (2003). Sex behavior. In M. Gallagher, R.J. Nelson, & I.B. Weiner (Eds.), *Handbook of Psychology, Volume 3, Biological Psychology* (pp. 321-353). Wiley & Sons.

Book:

44. Hull, E. M., & Dominguez, J.M. (2009). *Study Guide for Biological Psychology Textbook 10th Edition*. Wadsworth Press.

Non-Peer Reviewed/ General Media Publications/ Public Outreach:

- a. Dominguez, J.M. (Jan. 2020). Ecstasy's Therapeutic and Abuse Potential. *Psychology Today*, URL Link: <https://www.psychologytoday.com/us/blog/motivated-behaviors/202001/ecstasy-s-therapeutic-and-abuse-potential>. (2,780 views, as of 3/2020).
- b. Dominguez, J.M. (Aug. 2019). How Overeating Changes the Brain. *Psychology Today*, URL Link: <https://www.psychologytoday.com/us/blog/motivated-behaviors/201908/how-overeating-changes-the-brain>. (19,974 views, as of 3/2020).

GRANTS:

Awarded:

National Institutes of Health Research Project Grant, R01-DA-032789, 2012-2017.

A role for the preoptic area in modulating cocaine reward, OSP# 201100355.

Project Period: 4/1/2012-3/31/2017. (\$1,500,773 Direct and indirect total)

Role: Principal Investigator

2012-2013 (\$299,991)

2013-2014 (\$300,289)

2014-2015 (\$300,424)

2015-2016 (\$300,167)

2016-2017 (\$299,902)

National Institute of Health Research Project Grant, R21-DA-023604, 2009-2012.

A Role for the medial preoptic area in regulating gender-sensitive differences in response to cocaine, OSP# 200900916.

Project Period: 6/20/2009-5/31/2012. (\$401,360 Direct and indirect total)

Role: Principal Investigator

2009 2010 (\$219,680)

2010-2011 (\$181,680)

Submitted:

National Institutes of Health, R21, submitted, pending review.

Countering effects of SSRI on sexual dysfunction.

1-R21-MH-121687-01

\$275,000 proposed budget

National Institutes of Health, R01, submitted, pending review.

Central Regulation of Sex Differences in Cocaine Use.

2-R01-DA-032789-06

\$1,923,000 proposed budget

SCHOLARLY PRESENTATIONS/ABSTRACTS:

Martz, J.M., Vasquez, A., & Dominguez, J.M. (2020). Sex differences in estrogenic preoptic efferents to the ventral tegmental area: implications for sex differences in drug response. Poster presented at the Annual Meeting of Behavior, Biology, and Chemistry, San Antonio, TX.

Martz, J.R., Mittal, N., Robison, C.L., Duvauchelle, C.L., & Dominguez, J.M. (2017). Gender Differences in Cocaine-Induced Ultrasonic Vocalizations Are Modulated by the Medial Preoptic

- Area. Poster presented at the meeting of the Society for Neuroscience (47th Annual Meeting), Washington, D.C.
- Robison, C.L., Martz, J.R., & Dominguez, J.M. (2017). Estradiol and Lesions to the mPOA Influences the Behavioral Response to Cocaine. Poster presented at the Annual Meeting of Behavior, Biology, and Chemistry, San Antonio, TX.
- Robison, C.L., Martz, J.R., Will, R.G., Ray, C.C., & Dominguez, J.M. (2016). Estradiol microinjections to the mPOA increase cocaine-induced conditioned place preference. Poster presented at the meeting of the Society for Neuroscience (46th Annual Meeting), San Diego, CA.
- Will, R.G., Martz, J.R., Hattori, T., & Dominguez, J.M. (2014, November). *The medial preoptic area modulates cocaine-induced locomotion in male rats*. Poster presented at the meeting of the Society for Neuroscience (44th Annual Meeting), Washington, DC.
- Turner, J., Harvey E.A., Hattori, T., Will, R.G., Tobiansky, D.J., Nutsch, V.L., & Dominguez, J.M. (2014, November). *Arc expression in sexually-relevant brain areas following differing exposure to sexual stimuli and experience in male rats*. Poster presented at the meeting of the Society for Neuroscience (44th Annual Meeting), Washington, DC.
- Tobiansky, D.J., Hattori, T., Will, R.G., Turner, J.M., Lominac, K.D., Krishnan, K., Nutsch, V.L., & Dominguez, J.M. (2014, August). *A role for the medial preoptic area in mediating a response to cocaine*. Paper presented at the 18th Society for Behavioral Neuroendocrinology/8th International Congress of Neuroendocrinology Conference, Sydney, Australia.
- Nutsch, V.L., Will, R.G., Gore, A.C., Bell, M.R., Weiling, Y., Dominguez, J.M. (2014, June) *Estrogenic regulation of gene expression in the amygdala, preoptic area and basal nucleus of the stria terminalis during aging*. Poster presented at the 16TH annual meeting of International Congress of Endocrinology/96th ENDO, Chicago, IL.
- Martz, J.R., Will, R.G., Hattori, T., & Dominguez, J.M. (2014, May) *The mPOA Modulates Cocaine-Induced Locomotion in Male Rats*. Poster presented at the meeting of the Association for Psychological Science, San Francisco, CA.
- Tobiansky, D.J., Hattori, T., Will, R.G., Turner, J.M., Nutsch, V. L., & Dominguez, J. M. (2012, October). *Phenotyping medial preoptic area efferents that influence the mesolimbic system*. Paper presented at the meeting of the Society for Neuroscience (42nd Annual Meeting), New Orleans, LA.
- Will, R.G., Nutsch, V. L., Turner, J.M., & Dominguez, J. M. (2012, October). *Density of astrocytes in the preoptic area correlates with sexual efficacy in naive males*. Poster presented at the meeting of the Society for Neuroscience (42nd Annual Meeting), New Orleans, LA.
- Nutsch, V. L., Will, R.G., Turner, J.M., & Dominguez, J. M. (2012, October). *Mating-induced activation of cells containing dopamine receptor in the medial preoptic area of male rats*. Poster presented at the meeting of the Society for Neuroscience (42nd Annual Meeting), New Orleans, LA.
- Tobiansky, D.J., Will, R.G., Nutsch, V. L., Hattori, T., & Dominguez, J. M. (2012, June). *Dopamine-sensitive GABA-producing cells in the medial preoptic area project to the ventral tegmental area*. Poster presented at the meeting of the Society for Behavioral Neuroendocrinology, Madison, Wisconsin.
- Tobiansky, D.J., Roma, P.G., Hattori, T., Will, R.G., Nutsch, V. L., & Dominguez, J. M. (2012, June). *The medial preoptic area modulates cocaine-induced reward*. Poster presented at the meeting of the Society for Behavioral Neuroendocrinology, Madison, Wisconsin.

- Will, R.G., Nutsch, V. L., & Dominguez, J. M. (2012, June). *Astrocytes in the preoptic area may modulate copulation in males*. Poster presented at the meeting of the Society for Behavioral Neuroendocrinology, Madison, Wisconsin.
- Nutsch, V. L., Hattori, T., Tobiansky, D.J., & Dominguez, J. M. (2012, June). *Mating activates nitric oxide synthase containing cells in the paraventricular nucleus*. Poster presented at the meeting of the Society for Behavioral Neuroendocrinology, Madison, Wisconsin.
- Tobiansky, D. J., Roma, P. G., Hattori, T., Nutsch, V. L., Puga, F., & Dominguez, J. M. (2011, November). *The medial preoptic area modulates cocaine-induced reward*. Paper presented at the meeting of the Society for Neuroscience (41st Annual Meeting), Washington, D.C.
- Nutsch, V. L., Hattori, T., Tobiansky, D. J., Gore, A. C., & Dominguez, J. M. (2011, November). *Aging influences mating-induced activation of estrogen-sensitive cells in the medial preoptic area*. Paper presented at the meeting of the Society for Neuroscience (41st Annual Meeting), Washington, D.C.
- Tobiansky, D. J., Hattori, T., & Dominguez, J. M. (2010, November). *The medial preoptic area influences cocaine-induced activity in the ventral tegmental area*. Paper presented at the meeting of the Society for Neuroscience (40th Annual Meeting), San Diego, CA.
- Nutsch, V. L., & Dominguez, J. M. (2010, November). *Colocalization of nitric oxide synthase and mating-induced Fos in the medial preoptic area of male rats*. Paper presented at the meeting of the Society for Neuroscience (40th Annual Meeting), San Diego, CA.
- Kleitz-Nelson, H. K., Dominguez, J. M., & Ball, G. F. (2010, November). *Dopamine release in the medial preoptic area is linked to sexual motivation*. Paper presented at the meeting of the Society for Neuroscience (40th Annual Meeting), San Diego, CA.
- Tobiansky, D. J., Hattori, T., Westerman, A. T., D'Addesio, E., & Dominguez, J. M. (2010, July). *Sex-relevant olfactory stimuli activate brain regions in an age dependent manner*. Paper presented at the meeting of the Society for Behavioral Neuroendocrinology, Toronto, Canada.
- Nutsch, V. L., Wu, D., Gore, A. C., & Dominguez, J. M. (2010, July). *Age and sexual experience influence mating-induced phosphorylation of NMDA receptors in the medial preoptic area*. Poster presented at the meeting of the Society for Behavioral Neuroendocrinology, Toronto, Canada.
- Tobiansky, D. J., Hattori, T., D'Addesio, E., Westerman, A. T., & Dominguez, J. M. (2010, April). *Sexually relevant olfactory stimuli activate the medial preoptic nucleus in an age-dependent manner*. Paper presented at the meeting of the Association for Chemoreception Sciences (32nd Annual Meeting), St. Petersburg, FL.
- Dominguez, J. M., Roma, P. G., Price, R. C., & Westerman, A. T. (2008, November). *Assessing the role of the medial preoptic area in ethanol-induced hypothermia and ataxia*. Paper presented at the meeting of the Society for Neuroscience (38th Annual Meeting), Washington, D.C.
- Kleitz-Nelson, H. K., Dominguez, J. M., & Ball, G. F. (2008, July). *Extracellular dopamine release in the medial preoptic area of male Japanese quail as measured by in vivo microdialysis during sexual behavior*. Paper presented at the meeting of the Society for Behavioral Neuroendocrinology, Groningen, The Netherlands.
- Westerman, A. T., Roma, P. G., & Dominguez, J. M. (2007, November). *The antiepileptic primidone impairs male rat sexual behavior*. Paper presented at the meeting of the Society for Neuroscience (37th Annual Meeting), San Diego, CA.
- Muschamp, J. W., Dominguez, J. M., Sato, S. M., Shen, R. Y., & Hull, E. M. (2007, November). *Increased Fos-immunoreactivity in hypocretin (orexin)-apposed ventral tegmental area dopamine*

- neurons during male rat sexual behavior*. Paper presented at the meeting of the Society for Neuroscience (37th Annual Meeting), San Diego, CA.
- T. Blutstein, L. Risley, B. K. Yamamoto, Dominguez, J. M., & Mong, J. A. (2007, November). *Estradiol modulates vesicular glutamate content in the arcuate nucleus*. Paper presented at the meeting of the Society for Neuroscience (37th Annual Meeting), San Diego, CA.
- Dominguez, J. M., & Hull, E. M. (2006, October). *Serotonin inhibits mating-induced glutamate activity in the medial preoptic area: Implications for impaired libido resulting from SSRIs*. Paper presented at the meeting of the Society for Neuroscience (36th Annual Meeting), Atlanta, GA.
- Dominguez, J. M., Gil, M., & Hull, E. M. (2006, June). *Mating-induced glutamate release in the medial preoptic area of male rats: Regulation of ejaculation and refractory period*. Paper presented at the meeting of the Society for Behavioral Neuroendocrinology, Pittsburgh, PA.
- Muschamp, J. W., Sato, S., Dominguez, J. M., & Hull, E. M. (2006, June). *Gonadal regulation of hypocretin (orexin) immunoreactivity in male rats hypothalamus*. Paper presented at the meeting of the Society for Behavioral Neuroendocrinology, Pittsburgh, PA.
- Dominguez, J. M., Gil, M., Brann, J. H., & Hull, E. M. (2005, December). *Serotonin inhibits mating-induced glutamate activity in the medial preoptic area: Implications for impaired libido resulting from SSRIs*. American College of Neuropsychopharmacology (ACNP) 44th annual meeting, Waikoloa, HI.
- Dominguez, J. M., Gil, M., Hood, A. F., & Hull, E. M. (2005, November). *Mating-induced glutamate release in the medial preoptic area of male rats: Regulation of ejaculation and refractory period*. Paper presented at the meeting of the Society for Neuroscience (35th Annual Meeting), Washington, D.C.
- Gil, M., Smith, D. J., Hood, A. F., Dominguez, J. M., & Hull, E. M. (2005, November). *cAMP-dependent protein kinase inhibition in the medial preoptic area impairs copulatory behaviors in male rats*. Paper presented at the meeting of the Society for Neuroscience (35th Annual Meeting), Washington, D.C.
- Dominguez, J. M., Gil, M., Hood, A. F., & Hull, E. M. (2005, June). *Sexual experience increases nitric oxide synthase in the medial preoptic area of male rats*. Paper presented at the meeting of the Society for Behavioral Neuroendocrinology, Austin, TX.
- Gil, M., Smith, D. J., Hood, A. F., Dominguez, J. M., & Hull, E. M. (2005, June). *cAMP-dependent protein kinase inhibition in the medial preoptic area impairs copulatory behaviors in male rats*. Paper presented at the meeting of the Society for Behavioral Neuroendocrinology, Austin, TX.
- Straiko, M. M. W., Coolen, L. M., Jenkins, W. J., Dominguez, J. M., & Gudelsky, G. A. (2004, May). *Treatment with a monoamine-depleting regimen of MDMA diminishes the rewarding properties of sex in male rats*. Paper presented at the meeting of the Ohio Miami Valley Chapter of the Society for Neuroscience, Wright State University, Dayton, OH.
- Dominguez, J. M., Gil, M., & Hull, E. M. (2004, October). *Colocalization of nitric oxide synthase with NMDA receptors in the medial preoptic area: implications for sexual behavior*. Paper presented at the meeting of The Society for Neuroscience (34th Annual Meeting), San Diego, CA.
- Gil, M., Smith, D. J., Dominguez, J. M., & Hull, E. M. (2004, October). *The effects of cAMP-dependent protein kinase inhibition in the medial preoptic area on copulatory behaviors in sexually naïve rats*. Paper presented at the meeting of The Society for Neuroscience (34th Annual Meeting), San Diego, CA.
- Straiko, M. M. W., Coolen, L. M., Jenkins, W. J., Dominguez, J. M., & Gudelsky, G. A. (2004, October). *Treatment with a monoamine-depleting regimen of MDMA diminishes the rewarding properties*

- of sex in male rats*. Paper presented at the meeting of The Society for Neuroscience (34th Annual Meeting), San Diego, CA.
- Dominguez, J. M. (2004, July; Young Investigator Award Presentation). *Activation of NMDA receptors in the medial preoptic nucleus is essential for the expression of male sexual behavior*. Paper presented at the meeting of the Society for Behavioral Neuroendocrinology, Lisbon, Portugal.
- Davis, J. F., Balfour, M. E., Aronow, B. J., Truitt, W. A., Dominguez, J. M., Jenkins, W. J., & Coolen, L. M. (2004, July). *Male sexual behavior causes transcriptional alterations of the mesolimbic system*. Paper presented at the meeting of the Society for Behavioral Neuroendocrinology, Lisbon, Portugal.
- Dominguez, J. M., Balfour, M. E., & Coolen, L. M. (2003, November). *Copulation-induced activation of NMDA and AMPA receptor containing neurons in the medial preoptic nucleus (slide presentation)*. Paper presented at the meeting of The Society for Neuroscience (33rd Annual Meeting), New Orleans, LA.
- Dominguez, J. M., Balfour, M. E., & Coolen, L. M. (2003, June). *Copulation-induced activation of NMDA receptor containing neurons in the medial preoptic nucleus*. Paper presented at the meeting of the Society for Behavioral Neuroendocrinology, Cincinnati, OH.
- Truitt, W. A., Dominguez, J. M., & Coolen, L. M. (2003, June). *Galanin infusions into the medial parvocellular subparafascicular thalamic nucleus inhibit male sexual behavior*. Poster presented at the meeting of the Society for Behavioral Neuroendocrinology, Cincinnati, OH.
- Dominguez, J. M., Muschamp, J. W., Cedeno, C. D., Schmich, J. M., & Hull, E. M. (2003, November). *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.
- Dominguez, J. M., Muschamp, J. W., Cedeno, C. D., Schmich, J. M., & Hull, E. M. (2002, November). *Glutamate-evoked dopamine release in the medial preoptic area is mediated by nitric oxide: Implications for male rat sexual behavior*. Paper presented at the meeting of The Society for Neuroscience (32nd Annual Meeting), Orlando, FL.
- Faulring, C. S., Cruz, R., Dominguez, J. M., & Hull, E. M. (2002, November). *Chronic fluoxetine inhibits sexual behavior in the male rat: Reversal with 8-OH-DPAT and LY-53,857*. Paper presented at the meeting of The Society for Neuroscience (32nd Annual Meeting), Orlando, FL.
- Sato, S., Riolo, J. V., Dominguez, J. M., & Hull, E. M. (2002, November). *Does cyclic GMP mediate the NO-induced DA release in the male rat MPOA?* Paper presented at the meeting of The Society for Neuroscience (32nd Annual Meeting), Orlando, FL.
- Dominguez, J. M., Muschamp, J. W., Cedeno, C. D., Schmich, J. M., & Hull, E. M. (2002, June). *Glutamate-evoked dopamine release in the medial preoptic area is mediated by nitric oxide: Implications for male rat sexual behavior*. Paper presented at the meeting of the Society for Behavioral Neuroendocrinology, Amherst, MA.
- Faulring, C. S., Cruz, R., Dominguez, J. M., & Hull, E. M. (2002, June). *Chronic fluoxetine inhibits sexual behavior in the male rat: Reversal with 8-OH-DPAT and LY-53,857*. Paper presented at the meeting of the Society for Behavioral Neuroendocrinology, Amherst, MA.
- Sato, S., Riolo, J. V., Dominguez, J. M., & Hull, E. M. (2002, June). *Does cyclic GMP mediate the NO-induced DA release in the male rat MPOA?* Paper presented at the meeting of the Society for Behavioral Neuroendocrinology, Amherst, MA.

- Dominguez, J. M., & Hull, E. M. (2002, December). *The medial amygdala regulates mating-induced dopamine release in the medial preoptic area*. Paper presented at the meeting of the International Academy of Sex Research, Hamburg, Germany.
- Dominguez, J. M., Muschamp, J. W., Cedeno, C. D., Schmich, J. M., & Hull, E. M. (2002, November). *Glutamate-evoked dopamine release in the medial preoptic area is mediated by nitric oxide: Implications for male rat sexual behavior*. Paper presented meeting of Sigma Xi, The Scientific Research Society, Chapter Meeting, Buffalo, NY.
- Dominguez, J. M., & Hull, E. M. (2002, March). *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, TX.
- Dominguez, J. M., Smith, D. J., Faulring, C. S., & Hull, E. M. (2001, November). *Stimulation of the medial amygdala induces medial preoptic dopamine release: Implications for male sexual behavior*. Paper presented at the meeting of The Society for Neuroscience (31st Annual Meeting), San Diego, CA.
- Lonstein, J. S., Dominguez, J. M., Putnam, S. K., De Vries, G. J., & Hull, E. M. (2001, November). *Intracellular preoptic and striatal dopamine and serotonin during pregnancy and lactation in rats*. Paper presented at the meeting of The Society for Neuroscience (31st Annual Meeting), San Diego, CA.
- Smith, D. J., Dominguez, J. M., & Hull, E. M. (2001, November). *Reversal of sexual satiety by a 5HT₂ receptor antagonist*. Paper presented at the meeting of The Society for Neuroscience (31st Annual Meeting), San Diego, CA.
- Dominguez, J. M., Smith, D. J., Faulring, C. S., & Hull, E. M. (2001, June). *Stimulation of the medial amygdala induces medial preoptic dopamine release: Implications for male sexual behavior*. Paper presented at the meeting of the Society for Behavioral Neuroendocrinology, Scottsdale, AZ.
- Lonstein, J. S., Dominguez, J. M., Putnam, S. K., De Vries, G. J., & Hull, E. M. (2001, June). *Intracellular preoptic dopamine and serotonin during pregnancy and lactation in rats*. Paper presented at the meeting of the Society for Behavioral Neuroendocrinology, Scottsdale, AZ.
- Smith, D. J., Dominguez, J. M., & Hull, E. M. (2001, June). *Reversal of sexual satiety by a 5HT₂ receptor antagonist*. Paper presented at the meeting of the Society for Behavioral Neuroendocrinology, Scottsdale, AZ.
- Dominguez, J. M., Smith, D. J., Faulring, C. S., & Hull, E. M. (2001, November). *Stimulation of the medial amygdala induces medial preoptic dopamine release: Implications for male sexual behavior*. Paper presented at Sigma Xi, The Scientific Research Society, Chapter Meeting, Buffalo, NY.
- Smith, D. J., Dominguez, J. M., & Hull, E. M. (2001, November). *Reversal of sexual satiety by a 5HT₂ receptor antagonist*. Paper presented at Sigma Xi, The Scientific Research Society, Chapter Meeting, Buffalo, NY.
- Dominguez, J. M., Riolo, J. V., Xu, Z., & Hull, E. M. (2001, June). *Lesions of the medial amygdala impair copulation and attenuate extracellular dopamine in the MPOA*. Paper presented at the 9th International Conference on in vivo Methods: Monitoring Molecules in Neuroscience, Dublin, Ireland.
- Dominguez, J. M., Riolo, J. V., Xu, Z., & Hull, E. M. (2001, January). *Lesions of the medial amygdala impair copulation and attenuate extracellular dopamine in the MPOA*. Paper presented at the 32nd Annual Winter Conference on Brain Research, Steamboat Springs, CO.

- Dominguez, J. M., Riolo, J. V., Xu, Z., & Hull, E. M. (2000, November). *Lesions of the medial amygdala impair copulation and attenuate extracellular dopamine in the MPOA*. Paper presented at the meeting of The Society for Neuroscience (30th Annual Meeting), New Orleans, LA.
- Dominguez, J. M., Riolo, J. V., Xu, Z., & Hull, E. M. (2000, August). *Lesions of the medial amygdala impair copulation and attenuate extracellular dopamine in the MPOA*. Paper presented at the meeting of the Society for Behavioral Neuroendocrinology, Madrid, Spain.
- Dominguez, J. M., Riolo, J. V., Xu, Z., & Hull, E. M. (2000, November). *Lesions of the medial amygdala impair copulation and attenuate extracellular dopamine in the MPOA*. Paper presented at Sigma Xi, The Scientific Research Society, Chapter Meeting, Buffalo, NY.
- Dominguez, J. M., & Hull, E. M. (1999, October). *Influence of olfactory exposure to an estrous female on nitric oxide synthase in the MPOA of male rats*. Paper presented at the meeting of The Society for Neuroscience (29th Annual Meeting), Miami Beach, FL.
- Dominguez, J. M., & Hull, E. M. (1999, June). *Influence of olfactory exposure to an estrous female on nitric oxide synthase in the MPOA of male rats*. Paper presented at the meeting of the Society for Behavioral Neuroendocrinology, Charlottesville, VA.
- Panos, J. J., Sato, S., Powell, W. S., Putnam, S. K., Du, J., Markowski, V. P., Dominguez, J. M., & Hull, E. M. (1998, November). *The effects of prenatal TCDD treatment on male sexual behavior in rats*. Paper presented at the meeting of The Society for Neuroscience (28th Annual Meeting), Los Angeles, CA.
- Lorrain, D. S., Matuszewich, L., Friedman, R. D., Dominguez, J. M., Putnam, S. K., & Hull, E. M. (1997, October). *Lateral hypothalamic 5-HT release may influence mesolimbic dopamine during the male rat's PEI*. Paper presented at the meeting of The Society for Neuroscience (27th Annual Meeting), New Orleans, LA.
- Dominguez, J. M., Davis, R., Lorrain, D. S., & Hull, E. M. (1997, May). *A dopamine agonist in the MPOA of male rats restores copulation after amygdala lesions*. Paper presented at the meeting of the Society for Behavioral Neuroendocrinology, Baltimore, MD.
- Du, J., Dominguez, J. M., Wang, J., Putnam, S. K., & Hull, E. M. (1997, May). *Dopamine facilitation of copulation in castrates depends on steroid hormone receptors*. Paper presented at the meeting of the Society for Behavioral Neuroendocrinology, Baltimore, MD.
- Dominguez, J. M., Davis, R., Lorrain, D. S., & Hull, E. M. (1997, November). *A dopamine agonist in the MPOA of male rats restores copulation after amygdala lesions*. Paper presented at Sigma Xi, The Scientific Research Society, Chapter Meeting, Buffalo, NY.
- Dominguez, J. M., & Hull, E. M. (1995, November). *Inhibition of nitric oxide synthase impairs copulation, but not sexual motivation or motor activity, in male rats*. Paper presented at Sigma Xi, The Scientific Research Society, Chapter Meeting, Buffalo, NY.
- Dominguez, J. M., & Hull, E. M. (1994, November). *Inhibition of nitric oxide synthase impairs copulation, but not sexual motivation or motor activity, in male rats*. Paper presented at the National Ronald McNair Scholars Meeting, State College, PA.
- Dominguez, J. M., & Hull, E. M. (1994, June). *Inhibition of nitric oxide synthase impairs copulation, but not sexual motivation or motor activity, in male rats*. Paper presented at the 26th Conference on Reproductive Behavior, Bethlehem, PA.

INVITED PRESENTATIONS/SYMPOSIA:

- Dominguez, J.M. (2019, October). Hormones and Brain Connectivity Influencing Sex Differences. Meeting of Texas Psychological Association, San Antonio, TX.

- Dominguez, J.M. (2016, August). Hormones, Sex Differences, and Cocaine. APA Fellows Address. *Meeting of the American Psychological Association, Denver, CO.*
- Dominguez, J. M. (2016, April). *Cocaine reward, sex steroid hormones, and the preoptic area: Implications for gender differences in drug abuse.* Invited presentation for the Department of Psychology, Neuroscience & Behavior Program, University of California, Santa Barbara, CA.
- Dominguez, J.M. (2016, March). The medial preoptic area modulates cocaine-induced neural and behavioral activity. *Behavior, Biology, and Chemistry: Translational Research in Addiction.* San Antonio, TX.
- Dominguez, J.M. (2016, January). *Cocaine reward, sex steroid hormones, and the preoptic area: Implications for gender differences in drug abuse.* University of Texas at El Paso
- Dominguez, J.M. (2015, December). *Cocaine reward, sex steroid hormones, and the preoptic area: Implications for gender differences in drug abuse.* Michigan State University.
- Dominguez, J.M. (2015, April). *Cocaine reward, sex steroid hormones, and the preoptic area: Implications for gender differences in drug abuse.* Arizona State University.
- Dominguez, J. M. (2014, October). *Hypothalamic and endocrine modulation of natural and artificial reward.* Department of Psychology, Columbia University, New York, NY.
- Dominguez, J. M. (2013, April). *Hypothalamic and endocrine modulation of natural and artificial reward.* Invited presentation for the Howard Hughes Medical Institute, Inquiry Initiative, at Southwestern University, Georgetown, TX.
- Dominguez, J.M. (2013, March). *Brain and hormone influence on natural and artificial reward.* Invited presentation for the McGraw Lecture Series, The University of Texas, Austin, TX.
- Dominguez, J. M. (2012, October). *Hypothalamic and endocrine modulation of natural and artificial reward.* Invited presentation for the Neuroscience Program at Trinity University, San Antonio, TX.
- Dominguez, J.M. (2012, October). *The pleasure principle.* Invited presentation for the Osher Lifelong Learning Institute, Austin, TX.
- Dominguez, J. M. (2011, April). *Preoptic-hypothalamic modulation of reward.* Invited presentation for the Department of Department of Neurobiology and Anatomy at The University of Texas Medical School, Houston, TX.
- Dominguez, J. M. (2011, March). *Sex, drugs, and rock & roll: Why the MPOA matters.* Invited presentation for the Pharmacology Department at The University of Texas at Austin, Austin, TX.
- Dominguez, J. M. (2011, May). *Hypothalamic and endocrine modulation of cocaine reward.* Invited presentation for the Institute for Neuroscience at The University of Texas at Austin, Austin, TX.
- Dominguez, J. M. (2010, May). *The preoptic area: Sex, drugs, and rock & roll.* Invited presentation for the Institute for Neuroscience at The University of Texas at Austin, Austin, TX.
- Dominguez, J. M. (2009, October). *The MPOA and mating Behavior: Implications for mechanisms of reward.* Invited presentation for the Department of Psychology at the University of Michigan, Ann Arbor, MI.
- Dominguez, J. M. (2009, February). *The MPOA and Mating Behavior: Implications for mechanisms of reward.* Invited presentation for The Waggoner Center for Alcohol and Addiction Research, The University of Texas at Austin, Austin, TX.

- Dominguez, J. M. (2008, April). *The MPOA and mating behavior: Implications for mechanisms of reward*. Invited presentation for the Department of Psychology at The University of Texas, Austin, TX.
- Dominguez, J. M. (2008, November). *Mating in males: Dopamine, glutamate, and the preoptic area*. Invited presentation for the Institute for Neuroscience, The University of Texas at Austin, Austin, TX.
- Dominguez, J. M. (2008, March). *Male reproductive behavior: Regulation by glutamate and dopamine in the preoptic area*. Invited presentation for the Department of Psychology and Program in Neuroscience at Arizona State University, Tempe, AZ.
- Dominguez, J. M. (2008, January). *Male reproductive behavior: Regulation by glutamate and dopamine in the preoptic area*. Invited presentation for the Department of Psychology and Center for Neuroscience Research, University at Albany, The State University of New York, Albany, NY.
- Dominguez, J. M. (2007, October). *Male reproductive behavior: Regulation by glutamate and dopamine in the preoptic area*. Invited presentation for the Department of Psychology, Behavioral Neuroscience Program, University of North Carolina, Chapel Hill, NC.
- Dominguez, J. M. (2007, September). *Male reproductive behavior: Regulation by glutamate and dopamine in the preoptic area*. Invited presentation for the Department of Biology, Program in Neurobiology, Biophysics, and Development, University of Maryland, College Park, MD.
- Dominguez, J. M. (2007, July). *Male reproductive behavior: Regulation by glutamate and dopamine in the preoptic area*. Invited presentation for the Department of Psychological and Brain Sciences, Johns Hopkins University, Baltimore, MD.
- Dominguez, J. M. (2006, November). *Male reproductive behavior: Regulation by glutamate and dopamine in the preoptic area*. Invited presentation for the Psychology Department & Neuroscience Program, Michigan State University, East Lansing, MI.
- Dominguez, J. M. (2006, March). *Genes, transmitters, and sexual experience*. Symposium conducted at the Workshop on Steroid Hormones and Brain Function/Seventh Annual Conference on Sex and Gene Expression—Combined Meeting, Breckenridge, CO.
- Dominguez, J. M. (2005, October). *Male reproductive behavior: Regulation by glutamate and dopamine in the preoptic area*. Invited presentation for the Department of Psychology, American University, Washington, D.C.
- Dominguez, J. M. (2005, November). *Male reproductive behavior: Regulation by glutamate and dopamine in the preoptic area*. Invited presentation for the Psychology Department & Center for Neuroscience, University of Illinois at Chicago, Chicago, IL.
- Dominguez, J. M. (2004, September). *Male reproductive behavior: Regulation by glutamate and dopamine in the preoptic area*. Invited presentation for the Psychology Department & Neuroscience Program, Florida State University, Tallahassee, FL.
- Dominguez, J. M. (2004, July). *Activation of NMDA receptors in the medial preoptic nucleus is essential for the expression of Fos and male sexual behavior*. Young Investigator Award Presentation, Meeting of the Society for Behavioral Neuroendocrinology, Lisbon, Portugal.
- Dominguez, J. M. (2004, June). *Keynote Address*. Invited presentation for the Ronald McNair Minority Student Conference, University of Buffalo, Buffalo, NY.
- Dominguez, J. M. (2004, January). *Influences of medial preoptic glutamate and dopamine on male sexual behavior*. Invited presentation for the Psychology and Molecular Biology Departments, Princeton University, Princeton, NJ.

Dominguez, J. M. (2003, November). *Copulation-induced activation of NMDA and AMPA receptor containing neurons in the medial preoptic nucleus*. Invited presentation for the Society for Neuroscience Annual Meeting, Orlando, FL.

Dominguez, J. M. (2003, June) *The Cincinnati Zoo: Endocrinology in Unusual Settings*. Symposium conducted at the Annual Meeting of the Society for Behavioral Neuroendocrinology, Cincinnati, OH.

Dominguez, J. M. (2001, November). *Regulation by the medial amygdala of medial preoptic dopamine and male sexual behavior*. Invited presentation for the Department of Molecular Biology & Neurobiology, University of Cincinnati College of Medicine, Cincinnati, OH.

ACADEMICS/TEACHING

TEACHING EXPERIENCE:

Course Title:

- Love, Mating, and the Brain (University of Texas' Signature Course)
- Hormones and Behavior*
- Neurobiological Basis of Behavior
- Biopsychology
- Physiological Psychology*
- Sensation and Perception
- Brain and Behavior*
- Biopsychology of Reproduction*
- Introduction to Psychology
- Applied Neuroanatomy (co-instructor)
- Psychology as a Natural Science
- Biological Basis of Mental Disorders
- Advances in Mental and Neurobiological Disorders
- Behavioral Neuroscience

* Denotes graduate-level course

SUPERVISION OF DOCTORAL STUDENTS:

1. Adriana Vasquez, Ph.D. expected 2024, The University of Texas at El Paso, BS 2019, The University of Texas at Austin.
2. Julia R. Martz, Ph.D. expected 2021, The University of Texas at Austin, BS 2014, The University of Texas at Austin.
3. Daniel Tobiansky, Ph.D. 2014, The University of Texas at Austin, BS 2006 DePaul University, and MA 2009 Florida Atlantic University.
4. Victoria (Tori) Nutsch, Ph.D. 2016, BS and BA 2008 University of Washington. Ph.D. student at The University of Texas at Austin.
5. Ryan G. Will, Ph.D. 2016, BS 2011 Centre College.
6. Jonathan M. Turner, BS 2011 Vassar College. M.S. (2015) the University of Texas at Austin.

SUPERVISION OF UNDERGRADUATE STUDENT-RESEARCH ASSISTANTS:

1. Kameel Karim, BS in Biology, expected 2023.
2. Colton Ray, BS in Psychology, 2017
3. Azza Matthias, BS in Psychology, 2018

4. Julia Martz (undergraduate Honors student), BS in Psychology, 2014, presently graduate student at University of Texas at Austin.
5. Eric Harvey, BS in Psychology, 2014, became neuroscience graduate student at UCLA.
6. Helen Hoang, BS in Psychology, expected 2016.
7. Jacquelyn Alvarez, BS in clinical laboratory sciences, 2014, became technician at Houston Methodist Hospital.
8. Samira Chowdhury, BS in neurobiology 2013, became graduate student of health policy and management at Emory University.
9. Isha Kaul, BS in neurobiology 2013, became medical student at the University of Texas Medical Branch Galveston Texas.
10. Trisha Lalapet, BS in microbiology 2013, became graduate student of pharmacology at Texas Tech University Health Sciences Center.
11. Emily Daddesio, BS in neurobiology 2012, became medical student at Univ Texas Health Science Center at San Antonio.
12. Divya Janardhanan, BS in neurobiology 2012, became medical student at Texas Tech University Health Sciences Center.
13. Huy Nguyen, BS in neurobiology 2012, became medical student at Texas Tech University Health Sciences Center.
14. Julia Scott, BS in neurobiology 2012, became graduate student at University of Southern California.
15. Sameera Siddiqi, BS in neurobiology 2012, became medical student at Texas Tech University Health Sciences Center.
16. Laura Ryan (undergraduate Honors student), BS in psychology 2010, became graduate student, University of Texas Austin.
17. Rebecca Price, BS in Psychology 2009, became graduate student, McGill University, Montreal Canada, Neuroscience Dept.
18. Anna Olsen, BS in Psychology 2009, became graduate student McCallum School of Business, Pennsylvania.
19. Sofia M. Muñoz, BS in Psychology 2008 (Ronald McNair Student), became graduate student Columbia University, NY.
20. Zachary Hurwitz, BS in Psychology 2008; PhD American University, Department of Psychology. 2012; became postdoctoral fellow Johns Hopkins University.
21. Ashley T. Westerman, BS in Psychology 2008 Summa Cum Laude. Graduate student, Johns Hopkins University, Department of Psychology. became associate professor Blue Ridge Community College, Virginia.
22. Christie Pizzimenti, BS in Psychology 2008, became graduate student, Oregon Health Science Center, Dept Neuroscience.
23. Elizabeth Beaudry, BS in Psychology 2007, became licensed therapist presently Sibley Hospital, Washington, D.C.
24. Kristin Clements, BS in Psychology 2007, became Research Scientist at Walter Reed Army Medical Institute.

SUPERVISION OF POST-DOCTORAL FELLOWS:

1. Frank Puga, Ph.D. University of Texas at Austin, 2010-2012. Became Assistant Professor, The University of Texas Health Science Center, San Antonio, Texas
2. Christopher Robison, Ph.D. Florida State University, 2015- 2018. Research Scientist, University of New Hampshire.

MEMBER, DOCTORAL DISSERTATION COMMITTEES:

1. Michael Reilly, College of Pharmacy, The University of Texas at Austin.
2. Lina F. Gonzalez Martinez, Dept. of Psychology, The University of Texas at Austin.
3. Michelle Davis, College of Pharmacy, The University of Texas at Austin.

4. Lindsay M Ferguson, Dept of Psychology, The University of Texas at Austin.
5. Carey Pulverman, Dept of Psychology, The University of Texas at Austin.
6. Daniel Tobiansky, Dept of Psychology, The University of Texas at Austin (supervisor)
7. Ryan Will, Dept of Psychology, The University of Texas at Austin (supervisor).
8. Neha H Thakore, College of Pharmacy, The University of Texas at Austin.
9. Victoria Nutsch, Inst for Neuroscience, The University of Texas at Austin (supervisor).
10. Alexandra Garcia, College of Pharmacy, The University of Texas at Austin.
11. John Valenta, College of Pharmacy, The University of Texas at Austin.
12. James Reno, College of Pharmacy, The University of Texas at Austin.
13. Ashley Vena, College of Pharmacy, The University of Texas at Austin.
14. Ashley O'Connell, Cell and Molecular Biology, The University of Texas at Austin.
15. Yasisca Khouri Pujols, Dept of Psychology, The University of Texas at Austin.
16. Bailey Kermath, College of Pharmacy, The University of Texas at Austin.
17. Christina Schier, College of Pharmacy, The University of Texas at Austin.
18. Michelle Naugle, College of Pharmacy, Inst for Neurosci, The University of Texas at Austin.
19. Fabian Aguirre, Dept of Psychology, The University of Texas at Austin.
20. Tierney Ahrold, Dept of Psychology, The University of Texas at Austin.
21. Eimeira Padilla, Dept of Psychology, Inst for Neuroscience, The University of Texas at Austin.
22. Christel Bastida, Dept of Psychology, Inst for Neuroscience, The University of Texas at Austin.
23. Lauren O'Connell, School of Biological Sciences, Institute of Cell and Molecular Biology, The University of Texas at Austin.
24. Pete Roma, Dept of Psychology: Behavior, Cognition and Neurosci, American University.
25. Kevin Freeman, Dept of Psychology: Behavior, Cognition and Neurosci, American University.
26. Jermaine Jones, Dept of Psychology: Behavior, Cognition and Neurosci, American University.
27. Patricia Hall, Dept of Biology: Behavior, Cognition and Neurosci, American University.
28. Tamara Blutstein, Dept of Pharmacology & Experimental Therapeutics, University of Maryland, School of Medicine.

MEMBER, MASTERS THESIS COMMITTEE:

1. Jonathan Turner, Dept of Psychology, The University of Texas at Austin (supervisor).
2. Terena Herbert, Dept of Chemistry: Behavior, Cognition and Neurosci, American University.
3. Sarah Moore, Dept of Psychology: Clinical Psychology, American University (2007).
4. Stephen J. Kohut, Dept of Psychology: Behavior, Cognition and Neurosci, American University (2007).
5. Jennifer Rinker, Dept of Psychology: Behavior, Cognition and Neurosci, American University (2007).

BROADENING PARTICIPATION OF UNDERREPRESENTED STUDENTS IN SCIENCE:

- **Director**, 2009-2014, The Summer Undergraduate Research Experience (SURE), The University of Texas, Department of Psychology.
SURE is an internship program for undergraduate students who are interested in research in psychology. It matches students from underrepresented groups, who are attending college or university anywhere in the state of Texas, with members of the faculty in the Department of Psychology at UT. While in the SURE program, students actively participate in ongoing research in their respective laboratories. Participating members of the faculty, including myself, involve students in meaningful ways in various research projects. With this hands-on experience our graduates become more competitive for graduate research programs. In fact, most graduates of the SURE program went on to attend top graduate departments in psychology or other behavioral sciences. I was director of the program from 2009-2014.
- **Minority Liaison**, Institute for Neuroscience, The University of Texas at Austin.
- **Mentor**, Ronald McNair Program, 2006 – 2008, 2015-2016.

- **Judge**, neuroscience, National Research Conference for Historically Black Colleges and Universities Undergraduate Programs (HBCU-UP).
- **Judge**, neuroscience, Society for Advancement of Chicano and Native Americans in Science (SACNAS)

SERVICE

EDITORIAL BOARD, MEMBER:

- Behavioral Neuroscience, APA, 2007 – present
- Frontiers in Behavioral Neuroscience, Frontiers, 2011 – present
- Hormones & Behavior, Elsevier, 2015 – present
- Learning & Behavior, Springer, 2007 – 2015
- Physiology & Behavior, Elsevier, 2008 – present
- PLOS One, Academic Editor, PLOS, 2015 – present
- Scientific Reports, Academic Editor, Nature, 2016 – present

GUEST EDITOR:

- Physiology & Behavior, Elsevier, expected publication 2019, Special Issue on “Hormones, Sex Differences, and Drug Response”

GRANT REVIEW SERVICES:

- National Institutes of Health, Biobehavioral Regulation, Learning and Ethology (BRLE) Study Section, section member, appointed July 1, 2012 – June 30, 2018.
Co-chair October 2014, February 2015, Acting-chair October 2015.
- Department of Veterans Affairs, Office of Research & Development, Clinical Science Research & Development/Biomedical Laboratory Research & Development, Neurobiology A (NURA A), 2017.
- National Institutes of Health, Biobehavioral Regulation, Learning and Ethology (BRLE) Study Section, ad hoc, 2011.
- National Science Foundation, ad hoc, 2008, 2009, 2013.
- National Science Foundation, member, 2013.
- The Israeli Ministry of Science, Technology and Space Division, 2016, 2017.

PROFESSIONAL SERVICE:

National:

- Society for Neuroscience, Neuroscience Scholars Award, Selection Committee (2020- present)
- American Psychological Association, Chair, Committee on Animal Research and Ethics (2020-2022)
- American Psychological Association, Science Directorate (2018-2020)
- American Psychological Association, elected to the Membership Board (2015-2017)
- Chair, Membership, Division 6, The American Psychological Association (APA; 2013-2016).
- Awards Committee, The Society for Behavioral Neuroendocrinology (2013-2016)
- Program Committee, The Society for Behavioral Neuroendocrinology (2009-2012).
- Education Committee, The Society for Behavioral Neuroendocrinology (2003-2005).
- Judge presentations, Society for Advancement of Chicanos and Native Americans in Science
- Judge presentations, National Research Conference for Historically Black Colleges and Universities Undergraduate Programs (HBCU-UP)
- Judge presentations, The Society for Behavioral Neuroendocrinology Annual Meeting

Institutional:

- Brain Research Foundation Fay/Frank Grant, Review Panel (2017).

- Academy of Distinguished Teachers, Selection Committee (2016- present)
- Undergraduate College, Signature Course Steering Committee, The Univ of Texas at Austin (2015-present)
- Faculty Investment Initiative, Selection Committee, Dept of Psychology, The Univ of Texas at Austin (2015- 2017)
- Steering Committee, The Dept of Psychology, The Univ of Texas at Austin (2014-present)
- Teaching Awards Committee, Dept of Psychology, The Univ of Texas at Austin (2014-present)
- Graduate Diversity Committee, Dept of Psychology, The Univ of Texas at Austin (2014-present)
- Merit Review Committee, Dept of Psychology, The Univ of Texas at Austin (2014-2016)
- Search Committee for Department Chair, Dept of Psychology (2014)
- Admissions Committee, Inst for Neuroscience, The Univ of Texas at Austin (2012-2016)
- Minority Liaison, The Inst for Neuroscience, The Univ of Texas at Austin (2012- Present)
- Director, Summer Research Program, The Univ of Texas at Austin, Dept of Psychology (2008-2014).
- Institutional Animal Care and Use Committee (2006-2008).
- Graduate Curriculum Committee (2006-2008).
- Premed Committee (2006-2008).
- Ronald McNair Mentor (2006-2008).
- Graduate Studies Committee (1997-2001).

External Review of Promotion Cases

- University of Massachusetts
- The University of Mississippi School of Medicine
- Carleton College
- The University of Texas at El Paso

Ad Hoc Journal Reviews:

- Addiction Biology (2011 – present)
- Behavioral Neuroscience (2003 – present)
- Behavioural Brain Research (2012 – present)
- Biological Psychiatry (2005 – present)
- Brain, Behavior and Evolution (2011 – present)
- Brain Research (2006 – present)
- Brain Research Bulletin (2008 – present)
- Chinese Journal of Physiology (2008 – present)
- Developmental Neurobiology (2006 – present)
- European Journal of Neuroscience (2006 – present)
- Frontiers in Behavioral Neuroscience (2011 – present)
- Genes, Brain and Behavior (2006 – present)
- Hormones and Behavior (2006 – present)
- Journal of Neuroendocrinology (2004 – present)
- Journal of Neuroscience (2007 – present)
- Journal of Sexual Medicine (2006 – present)
- Learning and Behavior (2006 – present)
- Naturwissenschaften (2007 – present)
- Neuroscience (2004 – present)
- Neuroscience and Biobehavioral Reviews (2003 – present)
- Neuropsychopharmacology (2006 – present)
- Pharmacology, Biochemistry and Behavior (2007 – present)

- Physiology and Behavior (2004 – present)
- PLOS One (2014 – present)
- Psychoneuroendocrinology (2005 – present)
- Psychopharmacology (2011 – present)
- Scientific Reports (2016 – present)

PROFESSIONAL SOCIETIES, MEMBERSHIP:

- American Association for the Advancement of Science (2000 – 2004)
- American Psychological Association (1998 – present)
- Division 6: Behavioral Neuroscience and Comparative Psychology
- Association for Psychological Science (2007 – present)
- Eastern Psychological Association (2006 – present)
- International Behavioral Neuroscience Society (2004-2010)
- Molecular and Cellular Cognition Society (2006 – 2016)
- New York Academy of Sciences (2001 – 2006)
- Organization for the Study of Sex Differences (2005 – present)
- SACNAS, Society for the Advancement of Chicano and Native Americans in Science (2011 – present)
- Sigma Xi, The Scientific Research Society (2000 – 2006)
- Society for Behavioral Neuroendocrinology (1994 – present)
- Society for Neuroscience (1997 – present)
- Society for Women’s Health Research (2005 – present)
- Society of Biological Psychiatry (2004 – 2012)