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EDUCATION

Ph.D. Department of Psychiatry and Behavioral Sciences, Northwestern University, Chicago, IL, May 2014.

B.A. Department of Biology, University of Puerto Rico, Rio Piedras Campus, San Juan, PR, May 2009.

EXPERIENCE

2018 to present **YALE UNIVERSITY SCHOOL OF MEDICINE/VA CT HEALTHCARE**

Department of Psychiatry

Assistant Professor: Conduct research in genomics and epigenomics of psychiatric disorders in the role of PI. Collaborate with investigators in multidisciplinary studies. Mentor students and postdocs.

2016 to 2018 **YALE UNIVERSITY SCHOOL OF MEDICINE/VA CT HEALTHCARE**

Department of Psychiatry

Postdoctoral Associate: Conduct research in genomics and epigenomics of drug abuse with mentor Dr. Joel Gelernter.

2014 to 2016 **YALE UNIVERSITY SCHOOL OF MEDICINE**

Department of Psychiatry

Postdoctoral Fellow: Obtain training and conduct research in the study of epigenomics in trauma-related disorders under the mentorship of Drs. Joan Kaufman and Joel Gelernter.

2010-2014 **NORTHWESTERN UNIVERSITY SCHOOL OF MEDICINE**

Department of Psychiatry and Behavioral Sciences

Predoctoral Fellow: Obtain training and conduct research in epigenetics of antipsychotic drug response and aging in an animal model with mentors Drs. Hongxin Dong and John Csernansky.

2010 to 2011 **NORTHWESTERN UNIVERSITY SCHOOL OF MEDICINE**

Department of Neuroscience

Teaching Assistant: Conduct laboratory for introductory biology course and prepare didactic material for Neuropharmacology course for graduate students under the supervision of Drs. Richard Miller and Jelena Radulovic.

2009 to 2009 **NORTHWESTERN UNIVERSITY SCHOOL OF MEDICINE**

Department of Physiology

Research Assistant: Obtain training and conduct research in neuropharmacology using electrophysiology techniques and behavioral assays with mentor Dr. John Disterhoft.

2007 to 2007 **UNIVERSITY OF MINNESOTA**

Department of Psychiatry

Research Assistant: Obtain training and conduct research in the effects of allopregnanolone on cocaine addiction in female rats with mentor Dr. Carroll.

2006 to 2006 **DUKE UNIVERSITY**

Department of Psychiatry and Behavioral Sciences

Research Assistant: Obtain training and conduct research on behavioral neuroscience and neuropharmacology in an animal model of Schizophrenia with mentor Dr. Edward Levin.

2006-2009 **UNIVERSITY OF PUERTO RICO, RIO PIEDRAS CAMPUS**

Department of Biology

Research Assistant: Obtain training and conduct research on neuropharmacology of drug abuse in an animal model with mentor Dr. Carmen Maldonado-Vlaar.

GRANTS (2005 to present)

1. Integrative Epigenomic Mapping of Co-Morbid OUD and PTSD, NIDA, National Institute of Health, 09/30/2020 – 08/31/2022, \$196,350, Principal Investigator.
2. Identifying biomarkers of post-traumatic stress disorder in U.S. veterans using an integrative multi-omics approach, Career Development Award, Clinical Science Research & Development, Department of Veterans Affairs, 01/01/2020 – 12/31/2024, \$224,905, Principal Investigator.
3. Administrative Supplement (Research to Support the Reduction and Elimination of Mental Health Disparities), Psychiatric Genomics Consortium: Finding actionable variation, NIMH, National Institute of Health, 04/01/19 to 03/31/21, \$32,000, Co-Investigator.
4. Faculty for Excellence and Diversity Initiative Fellowship, Yale University, 10/1/18 to 9/31/21, \$75,000, Principal Investigator.
5. Epigenetics of Depression in Early Sexually Abused Females, NARSAD Young Investigator Award, The Brain & Behavior Research Foundation, 1/15/17 to 7/1/19, \$70,000, Principal Investigator.
6. Genetics of Opioid Dependence, NIDA, National Institute of Health, 8/1/16 to 7/31/19, \$125,664, Co-Investigator.
7. Biological Sciences Training Program, NIMH, National Institute of Health, 8/1/14 to 7/31/16, \$90,000, Postdoctoral Fellow.
8. Epigenetic modulation of antipsychotic-induced side effects in aged mice, NIMH, National Institute of Health, 1/1/14 to 7/31/14, \$39,995, Principal Investigator.
9. Northwestern University Clinical and Translational Sciences Institute, NIMH, National Institute of Health, 9/1/11 to 8/31/12, \$30,000, Predoctoral Fellow.
10. Collaborative Learning and Integrative Mentoring in the Biosciences Scholar Training Program, NIGMS, National Institute of Health, 9/1/09 to 5/30/11, \$1,000, Predoctoral Fellow.
11. Minority Access to Research Careers (MARC) Program, NIGMS, National Institute of Health, 7/1/07 to 5/30/09, \$20,000, Undergraduate fellow.
12. Research Initiative for Scientific Enhancement (RISE) Program, NIGMS, National Institute of Health, 8/1/06 to 5/30/07, \$10,000, Undergraduate fellow.
13. Puerto Rico Louis Stokes Alliance for Minority Participation (PR-LSAMP) Program, National Science Foundation, 8/1/05 to 5/30/06, \$10,000, Undergraduate fellow.

PUBLICATIONS AND PRESENTATIONS

Published papers

1. Tamman AJF, Wendt FR, Pathak GA, Krystal JH, **Montalvo-Ortiz JL**, Southwick SM, Sippel LM, Gelernter J, Polimanti R, Pietrzak RH. Attachment style moderates polygenic risk for posttraumatic stress in United States military veterans: Results from the National Health and Resilience in Veterans Study. *Biol Psychiatry*. 2020 Sep 30;S0006-3223(20)31947-8. PMID: 33276944.
2. Smith AK, Ratanatharathorn A, Maihofer AX, Naviaux RK, Aiello AE, Amstadter AB, Ashley-Koch AE, Baker DG, Beckham JC, Boks MP, Bromet E, Dennis M, Galea S, Garrett ME, Geuze E, Guffanti G, Hauser MA, Katrinli S, Kilaru V, Kessler RC, Kimbrel NA, Koenen KC, Kuan PF, Li K, Logue MW, Lori A, Luft BJ, Miller MW, Naviaux JC, Nugent NR, Qin X, Ressler KJ, Risbrough VB, Rutten BPF, Stein MB, Ursano RJ, Vermetten E, Vinkers CH, Wang L, Youssef NA; INTRuST Clinical Consortium; VA Mid-Atlantic MIRECC Workgroup; **PGC PTSD Epigenetics Workgroup**, Uddin M, Nievergelt CM. *Nat Commun*. 2020 Nov 24;11(1):5965. PMID:33235198.
3. **Montalvo-Ortiz JL**. Advancing Alcohol Genetics Research: One Genome-wide Association Study at a Time and Beyond. *Biol Psychiatry*. 2020 Apr 1;87(7):590-591. PMID: 32164913.
4. de Araujo CM, Hudziak J, Crocetti D, Wymbs NF, **Montalvo-Ortiz JL**, Orr C, Albaugh M, Althoff RR, O'Loughlin K, Holbrook H, Garavan H, Yang BZ, Mostofsky S, Jackowski A, Lee RS, Gelernter J, Kaufman J. Tubulin Polymerization Promoting Protein (TPPP) gene methylation and corpus callosum measures in maltreated children. *Psychiatry Res Neuroimaging*. 2020 Apr 30;298:111058. PMID: 32120304.
5. Wymbs NF, Orr C, Albaugh MD, Althoff RR, O'Loughlin K, Holbrook H, Garavan H, **Montalvo-Ortiz JL**, Mostofsky S, Hudziak J, Kaufman J. Social Supports Moderate the Effects of Child Adversity on Neural Correlates of Threat Processing. *Child Abuse Negl*. 2020 Apr;102:104413. PMID: 32065988.
6. Xu K, **Montalvo-Ortiz JL**, Zhang X, Southwick SM, Krystal JH, Pietrzak RH, Gelernter J. Alcohol Clin Exp Res. 2019. Oct;43(10):2111-2121. PMID: 31386212.
7. **Montalvo-Ortiz JL**, Cheng Z, Kranzler HR, Zhang H, Gelernter J. Genomewide Study of Epigenetic Biomarkers of Opioid Dependence in European-American Women. *Sci Rep*. 2019 Mar 15;9(1):4660. PMID: 30874594.
8. Tamman A, **Montalvo-Ortiz JL**, Southwick S, Krystal JH, Levy BR, Pietrzak RH. Accelerated DNA Methylation Aging in U.S. Military Veterans: Results from the National Health and Resilience in Veterans Study. *Am J Geriatr Psychiatry*. 2019 May;27(5):528-532. PMID: 30792041.
9. Kaufman J, **Montalvo-Ortiz JL**, Yang BZ, Orr C, Holbrook H, O'Loughlin K., Wang T, Zhao H, Althoff R, Garavan H, Gelernter J, Hudziak J. Adverse Childhood Experiences, Epigenetic Measures, and Obesity in Youth. *J Pediatr*. 2018 Nov;202:150-156. PMID: 30177354.
10. Kaufman J, Wymbs NF, **Montalvo-Ortiz JL**, Orr C, Albaugh MD, Althoff R, O'Loughlin K, Holbrook H, Garavan H, Kearney C, Yang BZ, Zhao H, Pena C, Nestler EJ, Lee RS, Mostofsky S, Gelernter J, Hudziak J. Methylation in OTX2 and related genes, maltreatment, and depression in children. *Neuropsychopharmacology*. 2018 Oct;43(11):2203-2211. PMID: 30089883.
11. **Montalvo-Ortiz JL**, Zhou H, D'Andrea I, Maroteaux L, Lori A, Smith A, Ressler KJ, Nuñez Y, Farrer, LA, Zhao H, Kranzler HR, Gelernter J. Translational studies support a role for serotonin 2B receptor (*HTR2B*) gene in aggression-related cannabis response. *Mol Psychiatry*. 2018. Dec;23(12):2277-2286. PMID: 29875475.
12. Dong H, Keegan JM, Hong E, Gallardo C, **Montalvo-Ortiz JL**, Wang B, Rice KC, Csernansky J. Corticotrophin releasing factor receptor 1 antagonists prevent chronic stress-induced behavioral changes and synapse loss in aged rats. *Psychoneuroendocrinology*. 2018 Apr;90:92-101. PMID: 29477954.
13. **Montalvo-Ortiz JL**, Zhang H, Chen C, Liu C, Coccaro EF. Genome-Wide DNA Methylation Changes Associated with Intermittent Explosive Disorder: A Gene-Based Functional Enrichment Analysis. *Int J Neuropsychopharmacol*. 2017 21(1), 12-20. PMID: 29106553.

- 14. Montalvo-Ortiz JL.** A New Perspective on the Mechanisms of Neglect. *Biol Psychiatry*. 2017 Oct 1. PMID:28870299.
- 15. Montalvo-Ortiz JL,** Fisher DW, Rodriguez G, Fang D, Csernansky JG, Dong H. Histone deacetylase inhibitors reverse age-related increases in side effects of haloperidol in mice. *Psychopharmacology*. 2017 Apr 18. PMID: 28421257.
- 16. Montalvo-Ortiz JL,** Bordner KA, Carlyle BC, Gelernter J, Simen AA, Kaufman J. The Role of Genes Involved in Stress, Neural Plasticity, and Brain Circuitry in Depressive Phenotypes: Convergent findings in a Mouse Model of Neglect. *Behav Brain Res*. 2016 Aug 6. PMID: 27506655.
- 17. Varghese SP#, Montalvo-Ortiz JL#,** Csernansky JG, Eiger RI, Herrold AA, Koola MM, Dong H. (2015) EarlyLife Stress as a Risk Factor for Substance use Disorders: Clinical and Neurobiological Substrates. *Indian J Psychol Med*. 2015 Jan-Mar;37(1):36-41. PMID: 25722510. #Joint first-authors.
- 18. Montalvo-Ortiz J,** Keegan J, Gallardo C, Gerst N, Tetsuka K, Tucker C, Matsumoto M, Fang D, Csernansky JG, Dong H. HDAC inhibitors restore the capacity of aged mice to respond to haloperidol through modulation of histone acetylation. *Neuropsychopharmacology* 2014 39(6):1469-78. PMID:24366052.
- 19. Dong H,** Wang S, Zeng Z, Li F, **Montalvo-Ortiz J,** Tucker C, Akhtar S, Shi J, Meltzer HY, Rice KC, Csernansky JG. Corticotropin-releasing hormone receptor 1 antagonists decrease amyloid- β and improve cognitive function in Tg2576 mice. *Psychopharmacology*. 2014 231(24):4711-22. PMID: 24862368.
- 20. Morales-Rivera A,** Hernandez-Burgos MM, Martinez-Rivera A, Perez-Colon J, Rivera R, **Montalvo-Ortiz J,** Rodriguez-Borrero E, Maldonado-Vlaar CS. Anxiolytic effects of oxytocin in cue-induced cocaine seeking behavior in rats. *Psychopharmacology*. 2014 231(21):4145-55. PMID: 24760374.
- 21. Dong H,** Murphy KM, Meng LP, **Montalvo-Ortiz J,** Kolber BJ, Zhang S, Muglia LJ, Csernansky JG. Corticotrophin releasing factor accelerates neuropathology and cognitive decline in a mouse model of Alzheimer's disease. *Journal of Alzheimer's disease*. 2011 11(1):1-14. PMID: 22045495.
- 22. Levin E,** Perkins A, Brotherton T, Qazi M, Berez C, **Montalvo-Ortiz J,** Davis K, Williams P, Christopher NC. Chronic underactivity of medial frontal cortical β 2-containing nicotinic receptor increases clozapine-induced working memory impairment in female rats. *Progress in Neuro-Psychopharmacology & Biological Psychiatry*. 2009 33(2):296-302. PMCID: 2684503.
- 23. Rodríguez-Borrero E,** Rivera-Escalera F, Candelas F, **Montalvo-Ortiz J,** Muñoz-Miranda WJ, Walker JR, Maldonado-Vlaar C. Arginine vasopressin gene expression changes within the nucleus accumbens during environmental-elicited cocaine-conditioned response in rats. *Neuropharmacology*. 2009 58(1):88-101. PMCID: 2783825.
- 24. Montalvo-Ortiz J.** Should fMRI lie-detection technology be admitted in courtrooms? *Penn Bioethics Journal*. 2008. 4(2):16-20.

Chapters, Books, and Reviews

- 1. Montalvo-Ortiz JL,** Emil F. Coccaro. The Role of 5-HT_{2B} on Aggression and Drugs of Abuse. 5-HT_{2B} receptors: from molecular biology to clinical applications (2020) Eds. Maroteaux L, Monassier L.
- 2. Kaufman J, Montalvo-Ortiz JL,** Lee R. Child Maltreatment and Psychopathology. Genes, Brain and Emotions: From Resilience to Psychopathology (2019) Eds. Miu AD, Homberg JR, Lesch, KP.
- 3. Montalvo-Ortiz JL,** Gelernter J, Hudziak J, Kaufman J. RDoC and translational perspectives on the genetics of trauma-related psychiatric disorders. *Am J Med Genet B Neuropsychiatr Genet*. 2016 Jan;171(1):81-91 PMID: 26592203.

Manuscripts/Book chapter Under review

1. **Montalvo-Ortiz JL**, Gelernter J, Gopalan S, Southwick SM, Krystal JH, Pietrzak RH. Epigenome-Wide Association Study of Posttraumatic Stress Disorder Identifies Novel Loci in U.S. Military Veterans. Under Review. *Molecular Psychiatry*.
2. **Montalvo-Ortiz JL**, Hudziak J, Wymbs NF, Orr C, Albaugh MD, Holbrook H, O'Loughlin K, Althoff R, Garavan H, Lee R, Mostofsky S, Gelernter J, Kaufman J. Genome-Wide DNA Methylation Signatures of Aggression in Maltreated Children. Under Review. *Translational Psychiatry*.

Selected Conference Presentations

1. Rompala G, Hurd Y, Nagamatsu S, Krystal J, Gelernter J, Traumatic Stress Brain Research Group, **Montalvo-Ortiz JL**. Neuron-Specific Methylome and Hydroxymethylome Profiling of Opioid Use Disorder. Presented at the American Society of Human Genetics Virtual Meeting, October 2020.
2. **Montalvo-Ortiz JL** and Giusti-Rodriguez P. Latin American Genomics Consortium. Presented at the PGD Day, World Congress of Psychiatric Genetics Virtual Meeting, October 2020.
3. Nagamatsu S, Pietrzak RH, Krystal JH, Gelernter J, **Montalvo-Ortiz JL**. Dissecting Epigenomic Differences between Smoking and Nicotine Dependence in U.S. Military Veterans. Presented at the World Congress of Psychiatric Genetics Virtual Meeting, October 2020.
4. **Montalvo-Ortiz JL**, Gelernter J, Southwick S, Krystal J, Pietrzak. Epigenome-Wide Association Study of Posttraumatic Stress Symptoms in 1,135 U.S. Veterans. Presented at the Society of Biological Psychiatry Meeting, Chicago, IL, May 2019.
5. **Montalvo-Ortiz JL**, Hudziak JJ, Wymbs N, Orr C, Albaugh M, Althoff RR, O'Loughlin K, Holbrook H, Garavan H, Mostofsky S, Gelernter J, Kaufman J. OTX2, Child Abuse, and Psychosis. Presented at the Society of Biological Psychiatry Meeting, Chicago, IL, May 2019.
6. Kaufman J, **Montalvo-Ortiz JL**, Wymbs N, Orr C, Albaugh M, O'Loughlin K, Holbrook H, Althoff RR, Garavan H, Mostofsky S, Gelernter J, Hudziak JJ. Child Abuse, Depression, and Methylation in Myelin-Related Genes. Presented at the Society of Biological Psychiatry Meeting, Chicago, IL, May 2019.
7. **Montalvo-Ortiz JL**, Kranzler HR, Zhao H, Zhang H, Gelernter J. Epigenome-wide association study of opioid dependence in European American women. NIDA Genetics Consortium Meeting, Bethesda, MD, January 2019.
8. Kaufman J, **Montalvo-Ortiz JL**, Holbrook H, O'Loughlin K, Orr C, Kearney C, Yang BZ, Wang T, Zhao H, Althoff R, Garavan H, Gelernter J, Hudziak J. Psychosocial and social factors causing obesity. Presented at the Scientific Federation conference, Amsterdam, Netherlands, October 2018.
9. **Montalvo-Ortiz JL**, Gelernter J, Wymbs N, Althoff RR, Hudziak JJ, Zhao H, Kaufman. Child Abuse and Epigenetic Mechanisms of Disease Risk. Presented at the Society of Biological Psychiatry Meeting, New York City, NY, May 2018.
10. **Montalvo-Ortiz JL**, Kranzler H, Zhao H, Zhang H, Gelernter J. Genome-wide epigenetic signatures of major depressive disorder in women. Presented at the Society of Biological Psychiatry Meeting, New York City, NY, May 2018.
11. **Montalvo-Ortiz JL**, Hudziak J, Holbrook H, O'Loughlin K, Gelernter J, Kaufman J. Genome-wide DNA methylation signatures of aggression risk in children. Presented at the World Congress of Psychiatric Genetics, Orlando, FL, October 2017.
12. **Montalvo-Ortiz JL**, Kranzler HR, Zhao H, Zhang H, Gelernter J. Epigenome-wide association study of opioid dependence in European American Women. Presented at the American Society of Human Genetics Annual Meeting, Orlando, FL, October 2017.
13. **Montalvo-Ortiz JL**, Gelernter J, Wymbs N, Althoff RR, Hudziak JJ, Zhao H, Kaufman. Child abuse and epigenetic mechanisms of disease risk. Presented at the Neuroepigenetics and Epitranscriptomics Seminar Series, Siena, Italy, August 2017.
14. Rosen M, Black A, **Montalvo-Ortiz JL**, Levy I, McMahon. An androgen receptor polymorphism (CAG repeats) and risk-taking in veterans. Presented at The College on Problems of Drug Dependence.

Montreal, Canada, June 2017.

15. Kaufman J, **Montalvo-Ortiz JL**, Yang BZ, Orr C, O'Loughlin K, Holbrook H, Garavan H, Albaugh M, Gelernter J, Hudziak J. Child abuse and epigenetic mechanisms of disease risk. Presented at the Annual International Conference on Psychology, Athens, Greece, May 2017.

16. **Montalvo-Ortiz JL**, Zhou H, Farrer L, Kranzler H, Gelernter J. Genome-wide association study identifies HTR2B as a risk variant of cannabis-related aggression in African Americans. Presented at the Society of Biological Psychiatry Meeting, Atlanta, GA, May 2017.

17. Kaufman J, **Montalvo-Ortiz JL**, Yang BZ, Orr C, O'Loughlin K, Holbrook H, Garavan H, Albaugh M, Gelernter J, Hudziak J. Epigenetic mechanisms and risk for substance use disorders and other adverse outcomes in maltreated children. Presented at the American Academy of Child & Adolescent Psychiatry, New York City, NY, October 2016.

18. Orr C, Hudziak JJ, O'Loughlin K, Holbrook H, **Montalvo-Ortiz JL**, Yang BZ, Garavan H, Albaugh M, Gelernter J, Hudziak J. Understanding Individual Differences in Anxiety Symptoms and Threat Processing in Maltreated Children. Presented at the American Academy of Child & Adolescent Psychiatry, New York City, NY, October 2016.

19. **Montalvo-Ortiz JL**, Yang BZ, Orr C, Holbrook H, O'Loughlin K., Wang T, Zhao H, Althoff R, Garavan H, Gelernter J, Hudziak J, Kaufman J. Child abuse and methylation of genes implicated in obesity. Presented at The International College of Neuropsychopharmacology Meeting, Dublin, Ireland, June 2015.

20. **Montalvo-Ortiz JL**, Kranzler HR, Sherva R, Almasy L, Herman AI, Koesterer R, Zhao H, Farrer LA, Gelernter J. Genome-wide association study of smoking quantity in American populations: Identification of Novel Risk Loci in Both African- and European-Americans. Presented at the American Society of Human Genetics Annual Meeting, Baltimore, October 2015.

21. **Montalvo-Ortiz JL**, Keegan J, Gallardo C, Fang D, Matsumoto M, Gerst N, Tetsuka K, Csernansky J, Dong H. Effects of histone acetylase inhibitor Valproic acid on haloperidol-treated aged mice. Presented at the Society of Neuroscience Conference, San Diego, CA, November 2013.

22. Dong H, **Montalvo-Ortiz JL**, Keegan J, Laboy A, Gallardo C, Wang S, Rujapaksha T, Vassar R, Csernansky J. Progression of memory deficits and neuronal degeneration in a mouse model that conditionally over-express TDP-43 in the forebrain. Presented at the Society of Neuroscience Conference, San Diego, CA, November 2013.

23. **Montalvo-Ortiz JL**, Keegan J, Gallardo C, Fang D, Matsumoto M, Gerst N, Tetsuka K, Csernansky J, Dong H. Effects of histone acetylase inhibitor Valproic acid on haloperidol-treated aged mice. Presented at the Neuroscience Day Conference, Chicago, IL, May 2013.

24. **Montalvo-Ortiz JL**, Csernansky J, Dong H. Effects of histone deacetylase inhibitors on antipsychotic drug action in aged mice. Presented at the Society of Neuroscience Conference, New Orleans, LA, November 2012.

25. **Montalvo-Ortiz JL**, Csernansky J, Dong H. Epigenetic mechanisms on antipsychotic drug action in aged mice. Presented at the National Clinical and Translational Science Predoctoral Programs Meeting, Rochester, MN, June 2012

26. **Montalvo-Ortiz JL**, Murphy K, Dugad P, Csernansky J, Dong H. Does Valproic acid modulate antipsychotic efficacy in aging? Presented at the Society of Neuroscience Conference, Washington, DC, November 2011.

27. **Montalvo-Ortiz JL**, Gasho K, Mishra M, Weintraub S, Bigio, EH, Mesulam MM, Geula C. No FUS inclusions in primary progressive aphasia with Alzheimer's disease pathology. Presented at the Society of Neuroscience Conference, San Diego, CA, November 2010.

28. Rodriguez E, Rivera F, Candelas F, **Montalvo-Ortiz JL**, Munoz W, Walker JR, Maldonado-Vlaar CS. The role of arginine vasopressin and oxytocin within the nucleus accumbens during environment-elicited cocaine-conditioned response. Presented at the Society of Neuroscience Conference, Chicago, IL, October 2009.

- 29. Montalvo-Ortiz JL**, Rodriguez-Borrero E, Munoz W, Candelas F, Nieves N, Rivera F, Traverso M, Montalvo A, Marcucci H, Maldonado-Vlaar. Anxiolytic effects of oxytocin in cocaine conditioning. Presented at the Society of Neuroscience Conference, Washington, DC, November 2008.
- 30. Montalvo-Ortiz JL**, Rodriguez-Borrero E, Munoz W, Candelas F, Nieves N, Rivera F, Traverso M, Montalvo A, Marcucci H, Maldonado-Vlaar. Anxiolytic effects of oxytocin in environmental-elicited cocaine conditioning. Presented at the Puerto Rico Interdisciplinary Scientific Meeting, Mayaguez, Puerto Rico, April 2007.
- 31. Montalvo-Ortiz JL**, Perkins A, Brotherton T, Qazi M, Berez C, Davis K, Williams P, Christopher NC, Levin ED. Antagonist of beta 2 nicotinic receptor increases clozapine-induced working memory impairment in female rats. Presented at the Annual Biomedical Research Conference for Minority Students, Anaheim, CA, November, 2006.

Invited Lectures/Presentations

- 1.** Invited speaker at the Women in Data Science Farmington Event, JAX Genomic Medicine, The Jackson Laboratory, March 5, 2020.
- 2.** Invited presentation at the Latin American Genomics Consortium (LAGC) monthly calls, January 15, 2020.
- 3.** Invited presentation at the National Center for Posttraumatic Stress Disorder, CT VA Healthcare, West Haven, CT, December 5, 2020.
- 4.** Invited speaker at the Seminario de Biología, Departamento de Biología, Universidad de Puerto Rico, Recinto de Río Piedras, San Juan, PR, November 19, 2020.
- 5.** Invited speaker at the Seminario Especial de Biología, Departamento de Biología, Universidad de Puerto Rico, Recinto de Río Piedras, San Juan, PR, November 18, 2020.
- 6.** Invited speaker at the Seminario Extraordinario de Investigación, Department of Molecular Neurobiology and Neuropathology, Instituto de Neurociencias, Universidad de Alicante, July 26, 2019.
- 7.** Invited speaker at the Psychiatry and Behavioral Sciences Seminar, Northwestern University, Chicago, IL, November, 2018.
- 8.** Invited speaker at the Psychiatry Seminar, University of Chicago, Chicago, IL, November, 2018.
- 9.** Invited speaker at the Biological Science Training Program Seminar, Yale Department of Psychiatry, New Haven, CT, February 26, 2018.
- 10.** Invited speaker at the Hispanic Heritage Celebration, Conte West Hills Magnet School, New Haven, CT, October, 2017.
- 11.** Invited speaker at the Conversations with Scientists: The Postdoc Transition, Yale Ciencia Academy, New Haven, CT, March, 2017.
- 12.** Invited speaker at the SACNAS National Conference, Long Beach Convention Center, Long Beach, CA, October, 2016.
- 13.** Invited speaker at the Biological Science Training Program (BSTP) Seminar, Yale Department of Psychiatry, New Haven, CT, February 1, 2016.
- 14.** Invited speaker at the Grand Rounds Seminar, Department of Psychiatry and Behavioral Sciences, Northwestern University, Chicago IL, May, 2015.
- 15.** Invited speaker at the Northwestern University Interdepartmental Neuroscience (NUIN) Seminar, Northwestern University, Chicago IL, February, 2015.

TEACHING EXPERIENCE

- 1.** Guest lecturer: “Genomics and Epigenomics of Criminal Behavior”, Forensic Psychiatry Program, Yale Department of Psychiatry. New Haven, CT, 2016.

2. Teaching Assistant: NUIN 478, “Neuropharmacology of Brain Disorders” in the Northwestern University Interdisciplinary Neuroscience Program, Northwestern School of Medicine, Chicago, IL, 2013.
3. Teaching Assistant: BIO222, “Physiological Processes Laboratory” in the Biology Department at Northwestern University, Evanston, IL, 2012.

GRANT/FELLOWSHIP REFEREE

Yale Ciencia Academy, Yale University, ad hoc.

Military Operational Medicine Research Program, SRA International, Inc., ad hoc.

JOURNAL REFEREE

Academic Editor

PLOS ONE, Complex Psychiatry

Ad hoc Reviewer

Social Psychiatry and Psychiatric Epidemiology, The American Journal of Addictions, The World Journal of Biological Psychiatry, Neuroscience Letters, PLOS ONE, Neuropsychopharmacology, Scientific Reports, Complex Psychiatry, International Journal of Molecular Sciences.

PROFESSIONAL SERVICES

Co-Founder/Leader, Latin American Genomics Consortium (LAGC): 2019-Present.

Board Member, Diversity Committee, Department of Psychiatry, Yale School of Medicine: 2019-Present.

Board Member, Women in Science at Yale (WISAY), Yale University: 2015-2016.

Board Member, Science Policy Initiative at Northwestern University (SPIN), Northwestern University: 2013-2014.

Board Member, Chicago Graduate Student Association (CGSA), Northwestern University: 2012-2014.
President, Biological Honor Society, University of Puerto Rico, 2007-2009.

PROFESSIONAL MEMBERSHIP

Psychiatric Genomics Consortium

Society of Biological Psychiatry

International Society of Psychiatric Genetics

American Society of Human Genetics

Ciencia Puerto Rico

Society of Neuroscience