

Curriculum Vitae

Ian, A. Mendez, Ph.D.

1101 N. Campbell St.
Room 715
School of Pharmacy
University of Texas at El Paso
El Paso, TX 79902
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Education:

2004-2010 Texas A&M University
Degree: Ph.D.- Experimental Psychology
Dissertation: The roles of nicotinic and muscarinic cholinergic receptors in risky and impulsive decision making.
2001-2004 California State University, San Marcos
Degree: M.A.- Experimental Psychology
Thesis: Effects of NMDA receptor antagonists on sensitization to morphine-induced locomotor stimulation.
1996- 2001 California State University, San Marcos
Degree: B.A.-Psychology, Minor-Biology

Employment:

2017-Present Assistant Professor
School of Pharmacy, University of Texas at El Paso
2016-2017 Assistant Project Scientist
Department of Psychiatry and Biobehavioral Sciences, University of California, Los Angeles
2011-2016 Postdoctoral Research Scholar
Department of Psychiatry and Biobehavioral Sciences, University of California, Los Angeles
2011 Research, Mentorship, and Training Consultant
California State University Auxiliary and Research Services Corporation, San Marcos
2010-2011 Postdoctoral Research Scholar
Department of Neurobiology and Behavior, University of California, Irvine

Professional Experience:

2017-Present Assistant Professor – University of Texas at El Paso
School of Pharmacy
Examine the role of cholinergic signaling in the effects of reward-paired cues on decision making.
2016-2017 Assistant Project Scientist - UC Los Angeles
Department of Psychiatry and Biobehavioral Sciences
PI: Nigel Maidment, Ph.D.
Examine the role of opioid systems in food and drug reward seeking and taking behavior.
2011-2016 Post-doctoral Scholar- UC Los Angeles
Department of Psychiatry and Biobehavioral Sciences
PI: Nigel Maidment, Ph.D.
Examine the role of opioid systems in food and drug reward seeking and taking behavior.
2010-2011 Post-doctoral Scholar- UC Irvine
Department of Neurobiology and Behavior
PI: John Marshall, Ph.D.
Examined the neurotoxic effects of methamphetamine binge treatment and associated cognitive deficits.
2004-2010 Research Associate- Texas A&M University
Department of Psychology
PI: Barry Setlow, Ph.D.
Investigated effects of psychostimulants on motivation, learning, memory, and cost-benefit decision making.
2004-2008 Research Associate- Texas A&M University
Department of Psychology

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- PI: Antonio Cepeda-Benito, Ph.D. / Barry Setlow, Ph.D.
Investigated the effects of nicotine on motivation, reward, and feeding behavior.
- 2001-2002 Science Tutor- CSU, San Marcos
Psychology Academic Resource Lab, Department of Psychology
Provided tutoring in math and science for Psychology undergraduate students.
- 2001 Summer Research Intern – The Scripps Research Institute
Department of Neuropharmacology
PI: Athina Markou
Examined the effects of PCP and methamphetamine on Intracranial Self-Stimulation
- 1998-2004 Research Associate- CSU, San Marcos
Department of Psychology
PI: Keith A. Trujillo, Ph.D.
Examined the role of NMDA receptors in opiate-induced neuroplasticity.
- 1999-2000 Research Associate- CSU, San Marcos
Department of Psychology
PI: Gerardo Gonzalez, Ph.D.
Conducted bilingual interviews using Voice Interactive Depression Assessment Survey (VIDAS).
- 1999-2001 Peer Advisor-CSU, San Marcos
College of Arts and Science
Offered academic and career advising for undergraduate majors in College of Arts and Sciences

Teaching Experience:

Instructor

- 2018-Present Integrated Systems Based Pharmacotherapy, UTEP School of Pharmacy
- 2018-Present Professionalism, Innovation, Leadership, and Life Skills, UTEP School of Pharmacy
- 2017-Present Principles of Drug Action, Co-Instructor, UTEP School of Pharmacy
- 2016 Sheep Brain Dissection Course, Brain Awareness Week, UC Los Angeles
- 2014 Molecular Mechanisms in Human Disease, Breakout Session, UC Los Angeles
- 2014 Ethics and Integrity in Biomedical Research, Breakout Session, UC Los Angeles
- 2004 Introduction to Psychology, Breakout Session, CSU San Marcos

Guest Lecturer

- 2018-Present Capstone Research Experience, UTEP School of Pharmacy
- 2014 Research-Informed Practices to Prevent Substance Abuse in Racial and Ethnic Minority Adolescents, Professional School of Social Work, University of Michigan.
- 2013 Drugs, Society and Human Behavior, Professional School of Social Work, University of Michigan.
- 2011 Research in Psychology Core, Department of Psychology, CSU Long Beach.

Training in Teaching

- 2019 STEM Active Learning Webinar, Macmillan Learning
- 2018-2019 Panopto Working Group, UT El Paso Technology Support
- 2018 Teaching Webinar: Challenges in the Classroom, American Association of Colleges of Pharmacy
- 2018 Question Pro Workshop, UT El Paso Technology Support
- 2018 Students with Disabilities: Faculty Responsibilities, UT El Paso Center for Accommodations and Support Services
- 2018 High Impact Practices to Enhance Student Success, UT El Paso School of Pharmacy
- 2018 Enhancing Your Instruction with Technology, UTEP Center for Instructional Design
- 2018 Critical Thinking: We all want to teach it but how do we measure it?, American Association of Colleges of Pharmacy
- 2018 Innovative Uses of Technology to Enhance Teaching and Learning, American Association of Colleges of Pharmacy

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- 2018 Engaging learners through escape rooms and serious gaming pedagogies, American Association of Colleges of Pharmacy
- 2018 Design Thinking Approach to Crafting Curriculum, UT El Paso
- 2018 Blackboard Training, UT El Paso
- 2018 Examssoft Training: Troubleshooting and Exam Creation, UT El Paso
- 2018 Bilingualism and Learning in the Classroom, UT El Paso
- 2017 Examssoft Training: Exam Scenarios, Importing Answers, & Evaluating Statistics, UT El Paso
- 2017 Advancing Learning Through Evidence-Based STEM Teaching, EdX, UC Los Angeles
- 2016 An Introduction to Evidence-Based Undergraduate STEM Teaching, EdX, UC Los Angeles
- 2014 Bioscience Postdoc Educational Leadership Program, Biomedical Sciences, UC Los Angeles.
- 2013 Effective Teaching Workshop, Marine Biological Laboratories, Woods Hole MA
- 2006 A Workshop on College Teaching and the Teaching of Psychology, Texas A&M University
- 2003-2004 Teaching in Psychology Course, Department of Psychology, CSU San Marcos.

Mentorship:

Individual Student Mentorship

University of Texas at El Paso Graduate Students

Michelle Martinez (2019-Present)

Jeremiah, Ramos (2018)

Pradeep Kumao Bolla (2017-Present)

Rodolfo Flores (2017-Present)

Undergraduate Students

Shelby Towers (2019-Present)

Tania Miramontes (2019-Present)

Priscilla Giner (2018-Present)

Nickolas Ortiz (2018)

University of California, Los Angeles Undergraduate Students

Ricardo Torres (2017) Currently Applying to Medical School

Linda Tsan (2013-2017) Graduate Student at University of Southern California

Vanessa Milan (2016-2017) Currently Applying for Research Assistant Position

Monica Campos (2016)

Stephanie Lee (2013-2016) Currently Applying to Graduate School

Chris Soriano (2015-2016)

Lilian Coie (2014-2016) Graduate Research Assistant at Columbia University Medical Center

Aneesha Yousefi (2014-2015)

Angela Liu (2013-2014) Research Technician at UCalifornia, Irvine

Texas A&M University Undergraduate Students

George Edwards III (2007-2010) Graduate student at the UTexas Health Science Center in Houston

Jeffrey Mayse (2007-2010) Received PhD in Behavioral Neuroscience at Johns Hopkins University

Ryan Gilbert (2007-2010) Technical Sales Representative at Harvard Biosciences

Matthew Williams (2007-2008)

Colin Volkes (2006-2007)

Chris Schafer (2006-2007)

Karienn Montgomery (2005-2006) Received PhD in Neuroscience at the University of Florida

Currently Post-Doctoral Associate at Texas A&M University

Doctoral Dissertation and Masters Thesis Committees

- 2019 Chair, Masters Thesis Committee, Michelle Martinez, Department of Psychology, UT El Paso.
Title: Pending
Projected Completion: 05/2020
- 2019 Member, Ph.D. Dissertation Committee, Pradeep Kumao Bolla, Department of Metallurgical
Material and Engineering, UT El Paso.
Title: Pending
Projected Completion: TBD
- 2019 Member, Ph.D. Dissertation Committee, Kevin Uribe, Department of Psychology, UT El Paso.
Title: Overexpression of a stress peptide in the nucleus accumbens selectively enhances the
reinforcing effects of nicotine in female versus male rats.
Projected Completion: 05/2020
- 2019 Co-Chair, Ph.D. Dissertation Committee, Rodolfo Flores, Department of Psychology, UT El Paso.
Title: Examination of sex differences and the role of ovarian hormones in an animal model of
nicotine withdrawal.
Projected Completion: 08/2019

Mentoring Programs

- 2018-Present Mentor, UTEP Summer Mentoring Research Training: Methods in Neuroscience of Drugs of Abuse
- 2017 Mentor, UCLA Brain Research Institute Summer Undergraduate Research Experience
- 2016-Present Mentor, National Mentoring Network.
- 2016 Mentor, Santa Monica College/UCLA Summer Scholars Research Program
- 2011 Mentor, Office for Training, Research, & Education in the Sciences Programs, CSU San Marcos

Training in Mentorship

- 2016 UCLA Entering Mentoring Training Program
- 2015-2016 Project Synapse Member, Providing neuroscience events and workshops for K-12 students

Professional Activities:**Current Affiliations**

- 2018-Present Member, UTEP Border Biomedical Research Center
- 2017-Present Member, American Associations of Colleges of Pharmacy
- 2016-Present Member, NIH National Research Mentoring Network
- 2002-Present Member, Society for Neuroscience
- 2003-Present Member, National Hispanic Science Network
- 1998-Present Member, Psi Chi Honor Society in Psychology

Organizational Service

- 2019 Poster Judge, Behavior, Biology, and Chemistry Annual Meeting
- 2017-2018 Member, National Hispanic Science Network Conference Planning Committee
- 2018 Moderator, UTEP Health-Focused Interdisciplinary Research Spotlight Event Scholarship of
Research Panel
- 2018 Member, UTEP Health-Focused Interdisciplinary Research Spotlight Event Planning Committee
- 2017-2018 Member, National Hispanic Science Network, Mid Career Leadership Committee
- 2017 Panelist, Society for Neuroscience Preparing the Next Generation of Neuroscience Leaders,
Responding to Criticism on Manuscripts and Grants Panel
- 2014 Panelist, UCLA Collaboration in Undergraduate Research Enrichment Workshop, Postdoc Panel
- 2013 Member, Society for Prevention Research Abstract Review Committee
- 2010-2011 Member, National Hispanic Science Network Abstract Review Committee

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- 2008-2009 Committee Member, TAMU Faculty of Neuroscience Annual Symposium Committee
- 2008 Panelist, SFN Survival Skills and Ethics Workshop, Graduate Student Panel
- 2008-2011 Graduate Student Liason, National Hispanic Science Network, Early Career Leadership Committee
- 2005-2011 Assistant, National Hispanic Science Network– International Subcommittee
- 2000-2001 Chairman, Eighth Annual Psychology Research Fair- CSU, San Marcos
- 2000-2001 President, PSI CHI Psychology Honor Society- CSU, San Marcos
- 1999-2000 Vice-President, PSI CHI Psychology Honor Society- CSU, San Marcos
- 1998-1999 Treasurer, Psychology Student Organization- CSU, San Marcos

Academic Service

- 2019-2020 P2 ISBP Courses Track Lead, UTEP School of Pharmacy Milestone Exam Team
- 2018-2021 Alternate Member, UTEP Institutional Care and Use Committee
- 2018-2019 Member, UTEP School of Pharmacy Faculty Excellence Committee
- 2018-2019 Member, UTEP School of Pharmacy Pharmaceutical Sciences Hiring Committee
- 2018 Member, UTEP School of Pharmacy Tenure and Promotion Ad-Hoc Committee
- 2018 Member, UTEP School of Pharmacy Capstone Research Experience Planning Committee
- 2018 Member, UTEP School of Pharmacy Dress Code Policy Subcommittee
- 2017-2019 Member, UTEP School of Pharmacy Admissions Committee
- 2017-2019 Member, UTEP School of Pharmacy Research and Scholarship Committee
- 2017-2018 Member, UTEP School of Pharmacy Student Excellence Team
- 2017-2018 Member, UTEP School of Pharmacy Pharmaceutical Sciences Hiring Committee
- 2017 Member, UTEP School of Pharmacy Course Coordinator & Faculty Teaching Responsibilities Subcommittee

Editorial Service

- 2019 Ad-Hoc Reviewer, Nutrients
- 2018-Present Review Editor, Frontiers in Integrative Neuroscience
- 2018 Ad-Hoc Reviewer, Neurobiology of Aging
- 2015 Ad-Hoc Reviewer, PLOS One
- 2013 Ad-Hoc Reviewer, Journal of Psychopharmacology
- 2010-2012 Editor, El Faro: La Voz De La Red, Newsletter of the National Hispanic Science Network
- 2011 Ad-Hoc Reviewer, International Journal of Developmental Neuroscience
- 2010 Ad-Hoc Reviewer, European Neuropsychopharmacology

Selected Professional Development

(Extramural Programs in Bold)

- 2019 Achieving Professional Success with Diversity, UT El Paso Office of Training and Development
- 2019 Mitigating Implicit Bias: Tools for the Neuroscientist, SFN Webinar**
- 2018 Emotional Intelligence Seminar. UT El Paso Human Resources
- 2018 Faculty Development Workshop, UT El Paso School of Pharmacy
- 2018 Assess Yourself: Building a Better Team. American Association of Colleges of Pharmacy.**
- 2018 Academic Pharmacy Practice Training, UT El Paso School of Pharmacy
- 2018 NIDA Diversity Scholars Network Scholar (NDSN), NIDA, NIH**
- 2018 Aspects of Clinical Pharmacy Self-Study, UT El Paso
- 2018 Seminar on Promotion and Tenure at UTEP, UT El Paso
- 2018 Workshop on Objective Structure Clinical Examination Development, UT El Paso
- 2018 Workshop on Effective Communication, UT El Paso
- 2018 Mentoring Institute for Neuroscience Diversity Scholar (MINDS), NINDS, NIH**
- 2018 Workshop on Emotional Intelligence, UT Paso

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- 2018 Seminar on Servant Leadership, UT El Paso
- 2018 Seminar on Emotional Intelligence in the Workplace, UT El Paso
- 2018 Seminar on Effective Communication in the Workplace, UT El Paso
- 2017 Cellular Biology of Addiction Course, Cold Spring Harbor Laboratories**
- 2017 Scientific Rigor: Promoting Credible Science, SFN Webinar**
- 2017 MATLAB Fundamentals 3-day workshop
- 2016 Data Science and Data Skills for Neuroscientist, SFN Short Course**
- 2016 MATLAB for Sciences UCLA Workshop
- 2015-2017 SFN, Neuroscience Scholars Program (NSP) Fellowship, Society for Neuroscience**
- 2015 Optimizing Experimental Design for High-Quality Science, SFN Short Course**
- 2013 Summer Program in Neuroscience and Ethics Survival (SPINES), Woods Hole, MA**
- 2007 University of Pittsburgh Survival Skills and Ethics, SFN 2-day Workshop**

Honors and Awards:

(Extramural Awards in Bold)

- 2018 Teach Tech Award, UT El Paso Academic Technologies
- 2015 Best Poster – 13th Annual Science Symposium
Center for Neurobiology of Stress Basic and Translational Science, UC Los Angeles
- 2014 College for Problems on Drug Dependence Director's Travel Award**
- 2013 Postdoctoral Research Award - Fine Science Tools, UC Los Angeles
- 2012 UCLA Brain Research Institute Postdoctoral Travel Award
- 2011 College for Problems on Drug Dependence Primm-Singleton Travel Award**
- 2010 Dissertation Award - College of Liberal Arts, Graduate Division, Texas A&M University
- 2010 National Institute for Drugs Abuse Frontiers in Neuroscience SFN Travel Award**
- 2009 International Society for Research on Impulsivity Travel Award**
- 2009 National Institute for Drugs Abuse Frontiers in Neuroscience SFN Travel Award**
- 2009 First Place - Texas Brain and Spine Institute Annual Conference Poster Award
- 2008 National Award of Excellence in Research by a Student**
National Hispanic Science Network on Drug Abuse
- 2008 National Institute for Drugs Abuse Frontiers in Neuroscience SFN Travel Award**
- 2008 National Institute for Drugs Abuse Early Career Investigators APA Travel Award**
- 2007 New York Academy of Sciences Travel Award**
- 2007 First Place- College of Liberal Arts, Graduate Division
Texas A&M University Student Research Week
- 2003 First Place- Behavioral and Social Sciences, Graduate Division**
CSU Statewide Student Research Competition
- 2001 University Student Leadership Award Commendation, CSU San Marcos
- 1998 Inductee- PSI CHI, Psychology National Honor Society**

Grants and Fellowships:

Current Grants and Stipends

- 2018-2020 Brain and Behavior Research Foundation, NARSAD Young Investigator Award
Purpose: Investigate interactions between dopamine and enkephalin in striatum and their role in motivation.
Role: Principle Investigator
Amount, \$70,000 total
- 2017-2022 NIH, National Institute on Drug Abuse Grant R25 DA033613-06

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Summer Mentoring & Research Training: Methods in Neuroscience of Drugs of Abuse.

Purpose: Supports (SMART-MINDS), an undergraduate research program in neuroscience at UT El Paso.

Role: Mentor

Amount: \$513,007 total

Completed Grants and Stipends

- 2015-2017 NIH, NIDDK Diversity Supplement DK098709
Purpose: Examine Sex differences in cafeteria diet-induced dysregulation of behavior and neurochemistry.
Role: Postdoctoral Trainee, co-authored grant supplement proposal (PI: Dr. Nigel Maidment)
Amount: \$158,087.00 total
- 2014-2017 NIH, NIA R01 Grant AG045380
Purpose: Investigate neurochemical bases for changes in decision-making across lifespan.
Role: Significant Research Contributor, co-authored grant proposal (PI: Dr. Nigel Maidment)
Amount: \$2.5M total
- 2013-2015 NIH, NIDA F32 Postdoctoral NRSA Individual Training Grant DA035070
Purpose: Examine effect of cocaine sensitization on cue-evoked reward seeking and dopamine release.
Role: Postdoctoral Fellow, Co-authored grant proposal (PI: Sean Ostlund)
Amount: \$42,000/year
- 2011-2013 NIH, NIDA T32 NRSA Institutional Training Grant, University of California Los Angeles
Purpose: Support Semel Institute Translational Neuroscience in Drug Abuse Program
Role: Postdoctoral Trainee
Amount: \$39,000/year
- 2005-2010 NIH, NIDA T31 NRSA Institutional Training Grant, Texas A&M University
Purpose: Support Texas Consortium in Behavioral Neuroscience Graduate Program.
Role: Graduate Student
Amount: \$24,000/year
- 2004 Texas A&M University, Graduate Diversity Fellowship
Purpose: Support Graduate Student research Activities at Texas A&M University.
Role: Graduate Student
Amount: \$22,000 total
- 2002-2004 Cal State University San Marcos, Research Initiative for Scientific Enhancement (RISE) Program.
Purpose: Support Undergraduate Student Research Activities at CSU San Marcos
Role: Undergraduate Student
Amount: \$6,000/year
- 2000-2001 California State University System, Sally Casanova Pre-Doctoral Scholar
Purpose: Support Undergraduate Student Research Activities at CSU San Marcos.
Role: Undergraduate Student
Amount: \$3,000 total

Peer-Reviewed Publications:

(*Mentored Student Coauthors)

*Giner, P., *Flores, R.J., Mendez, I.A. (*In Preparation*). The Effects of Nicotine Vapor Exposure on Impulsive Choice and Motivation.

Mendez, I.A., *Milan, V., Murphy, N.P., Ostlund, S., Maidment, N.T. (*In Preparation*). Aged Related Changes in Motivation for Food Rewards.

Mendez, I.A., Murphy, N.P., Lam, H.A., *Lee, S., Ostlund, S.B., Boulter, J., Maidment, N.T. (*In Preparation*). The Role of Enkephalin Signaling in Dopamine D2-Receptor Expressing Neurons in Reward and Aversion. Padilla, M.E., Mendez, I.A., Padilla, M.E., Hartman, J., Fietze, G.A (*Submitted*). Assessing the impact of technology on students' attitudes towards research at a school of pharmacy. *American Journal of Pharmacy Education*

1. Mittal, N., Minasyan, A. Romaneschi, N., Hakimian, J., Gonzalez-Fernandez, G., Albert, R., Desai, N., Mendez, I.A., Schallert, T., Ostlund, S.B., Walwyn, W. (2017). Beta-arrestin 1 regulation of reward-motivated behaviors and glutamatergic function. *PLoS One*. <https://doi.org/10.1371/journal.pone.0185796>.
2. Mendez, I.A., Carcoba, L., Wellman, P.J. and Cepeda-Benito, A., (2016). Meal patterns and body weight during and after continuous nicotine treatment in male rats as a function of high-fat diet. *Experimental and Clinical Psychopharmacology*. 24(6), 477-484. Abstract available at: <http://psycnet.apa.org/journals/pha/24/6/477/>.
3. Mendez, I.A., Maidment, N.T., Murphy, N.P. (2016). Parsing the hedonic and motivational influences of nociceptin on feeding using licking microstructure analysis in mice. *Behavioral Pharmacology*. 27(6), 516-527. <http://ovidsp.ovid.com/ovidweb.cgi?T=JS&CSC=Y&NEWS=N&PAGE=fulltext&AN=00008877-201609000-00004&LSLINK=80&D=ovft>.
4. Mendez, I.A., Ostlund, S.B., Maidment, N.T., Murphy, N.P. (2015). Involvement of endogenous enkephalins and β -endorphin in feeding and diet-induced obesity. *Neuropsychopharmacology*, 40(9), 2103-2112. <http://www.nature.com/npp/journal/v40/n9/full/npp201567a.html>.
5. Mendez, I.A., Damborsky, J.C., Gilbert, R., Winzer-Serhan, U.H., Bizon, J. and Setlow, B. (2013). $\alpha 4\beta 2^*$ and $\alpha 7$ nicotinic acetylcholine receptor binding predicts choice preference in two cost benefit decision making tasks. *Neuroscience*. 230, 121-131. <http://www.sciencedirect.com/science/article/pii/S0306452212010962>.
6. Mendez, I.A., Gilbert, R., Bizon, J. and Setlow, B. (2012). Effects of acute administration of nicotinic and muscarinic cholinergic agonists and antagonists on different forms of cost-benefit decision making. *Psychopharmacology*, 224(4), 489-499. <https://link.springer.com/article/10.1007%2Fs00213-012-2777-y>.
7. Wallis, D., Hill, D.S., Mendez, I.A., Abbott, L.C., Finnell, R.H., Wellman, P.J. and Setlow, B. (2012). Initial characterization of the *Lphn3* mutant mouse; relevance to ADHD and addiction. *Brain Research*, 1463, 85-92. <http://www.sciencedirect.com/science/article/pii/S000689931200813X>.
8. Mitchell, M.R., Mendez, I.A., Vokes, C.M., Damborsky, J.C., Winzer-Serhan, U.H., and Setlow B. (2012). Effects of developmental nicotine exposure on decision-making in adulthood. *Behavioral Pharmacology*, 23(1), 34-42. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3253892/>.
9. Simon, N.W., Beas, B.S., Montgomery, K.S., Mitchell, M.R., LaSarge, C.L., Mendez, I.A., Banuelos, C., Vokes, C., Taylor, A.B., Haberman, R.P., Bizon, J.L., Setlow, B. (2011). Dopaminergic modulation of risky decision-making. *Journal of Neuroscience*, 31(48), 17460-17470. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3307370/>.
10. Mendez, I.A., Simon, N.W., Hart, N., Mitchell, M.R., Nation, J.R., Wellman, P.J. and Setlow, B. (2010). Self-administered cocaine causes lasting increases in impulsive choice in a delay discounting task. *Behavioral Neuroscience*, 24(4), 470-477. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2976632/>.
*Most cited experimental article in *Behavioral Neuroscience* in 2010.
11. Simon, N.W., LaSarge, C.L., Montgomery, K.S., Williams, M.T., Mendez, I.A., Setlow, B., and Bizon, J.B. (2010). Good things come to those who wait: attenuated discounting of delay rewards in aging. *Neurobiology of Aging*, 31(5), 853-862. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2866647/>.
12. Setlow, B., Mendez, I.A., Mitchell, M., Simon, N.W. (2009). Effects of chronic administration of drugs of abuse on discounting of delayed rewards (impulsive choice) in animal models *Behavioural Pharmacology*, 20(5-6), 380-389. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2874684/>.
13. Mendez, I.A., Williams, M.T., Bhavsar, A., Lu, A., Bizon, J., and Setlow, B. (2009). Long-lasting sensitization of reward-directed behavior by amphetamine. *Behavioral Brain Research*, 201(1), 74-79. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2680778/>.
*Referenced by Dr. Kent Berridge in *Faculty of 1000 Biology*.
14. Simon, N.W., Mendez, I.A., and Setlow, B. (2009). Effects of prior Amphetamine exposure on approach strategy in appetitive Pavlovian condition. *Psychopharmacology*, 202(4), 699-709. <https://link.springer.com/article/10.1007%2Fs00213-008-1353-y>.

15. Mendez, I.A., Montgomery, K.A., LaSarge, C.L., Simon, N.W., Bizon, J.L., and Setlow, B. (2008). Long-term effects of prior cocaine exposure on Morris water maze performance. *Neurobiology of Learning and Memory*, 89(2), 185-191. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2258220/>.
16. Mendez, I.A. and Trujillo, K.A. (2008). Effects of NMDA receptor antagonists on opiate analgesia tolerance and locomotor sensitization in rats. *Psychopharmacology*, 196(3), 497-509. <https://link.springer.com/article/10.1007%2Fs00213-007-0984-8>.
17. Simon, N.W., Mendez, I.A., and Setlow, B. (2007). Cocaine exposure causes long-term increases in impulsive choice behavior. *Behavioral Neuroscience*, 121(3), 543-549. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2581406/>.
18. Cepeda-Benito, A., Reynoso, J.T., Davis, K.W., Susabda, K.A., Mendez, I.A., and Harraid, J.H. (2005). Inter-dose interval effects on the development of contextual tolerance to nicotine's analgesic effects in rats (*Rattus norvegicus*). *Experimental and Clinical Psychopharmacology*, 14(2), 180-189. Abstract available at: <http://psycnet.apa.org/journals/pha/14/2/180/>.

Research Presentations:

Invited Talks

- Mendez, I.A. (2019). New Insights into Brain Mechanisms Driving Reward Seeking Behavior. Talk Presented at Cold Springs Harbor Neuroscience Series.
- Mendez, I.A. (2018). Choosing choice: The past, present, and future of a career investigating decision making in addiction. Talk Presented at the UTEP School of Pharmacy RxChange series.
- Mendez, I.A. (2017). A Role for Striatal Enkephalin in the Ability of Food-Paired Cues to Increase Motivation for Food Rewards. Brain Mechanisms and Cognitive Control of Eating: From Molecular to Behavior Session. Talk Presented at the National Hispanic Science Network Annual Conference.
- Mendez, I.A. (2017). The Pursuit of Happiness: New Insights into Brain Mechanisms Driving Reward Seeking Behavior. Talk presented at the School of Pharmacy at The University of Texas at El Paso.
- Mendez, I.A. (2017). Cue-Induced Increases in Motivation for Rewards: An Important Role for Opioids. Talk presented at the UCLA Hatos Center for Neuropharmacology Annual Board Meeting.
- Mendez, I.A. (2016). Dissecting Striatal Enkephalins' Role in Hedonic and Motivational Components of Reward Processing. Talk presented at the UCLA Integrative Centers for Addiction Annual Retreat.
- Mendez, I.A. (2016). The Pursuit of Happiness: New Insights into Brain Mechanisms Driving Reward Seeking. Talk presented to the Department of Psychology at Morehead State University, Kentucky.
- Mendez, I.A. (2016). A Role for Enkephalin in D2-Receptor Expressing Neurons in Reward Motivation and Aversion. Talk presented at the UCLA Hatos Center for Neuropharmacology.
- Mendez, I.A. (2015). Enkephalin signaling in the indirect pathway of the basal ganglia and its role in cue-induced feeding behavior. Talk presented at the UCLA Integrative Center for Addictions Seminar Series.
- Mendez, I.A. (2013). Effects of psychostimulants on Cost-Benefit Decision Making. Talk presented at the UCLA Hatos Center for Neuropharmacology.
- Mendez, I.A. (2013). The role of cholinergic receptors in cost-benefit decision making. Talk presented at the UCLA Learning and Behavior Brown Bag Seminar.
- Mendez, I.A., Simon, N.W., Hart, N., Mitchell, M.R., Nation, J.R., Wellman, P.J. and Setlow, B. (2009). Self-administered cocaine causes lasting increases in impulsive choice in a delay discounting task. Talk Presented at the National Hispanic Science Network Annual Conference.
- Mendez, I.A. (2008). Long-lasting sensitization of reward-directed behavior by amphetamine. Talk presented at CSUSM OBRT Seminar Series.

Selected Professional Presentations

(*Mentored Student Coauthors)

- *Giner, P., *Flores, R.J., Miramontes, T.G., Mendez, I.A.. (2019). The Effects of Nicotine Vapor Exposure on Impulsive Choice and Motivation. Poster presented at Behavior Biology and Chemistry Annual Meeting.
- Padilla, M.E., Christenberry, E.J., Mendez, I.A., Hartman, J., Fietze, G.A., Shenberger, J., Loya, A.M., Khasawneh, F., Alshbool, F., Andrews, S., Rivera, J.O. (2018). BRIDGING Pharmaceutical Sciences and Pharmacy

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Practice Through a Required, Longitudinal Capstone Research Experience. Poster Presented at the American Association of Colleges of Pharmacy.

- Mendez, I.A., Murphy, N.P., Ostlund, S.B., Maidment, N.T. (2017). Age-related changes in licking microstructure and motivation for palatable rewards. Poster Presented at the Society for Neuroscience Annual Conference.
- Mendez, I.A., Lam, H.A., *Lee, S.N., Boulter, J., Ostlund, S.B., Murphy, N.P., Maidment, N.T. (2017). Role of Enkephalin in Dopamine D2-Receptor Expressing Neurons in Licking Microstructure. Poster Presented at the International Behavioral Neuroscience Society Annual Conference.
- Mendez, I.A., Lam, H.A., *Lee, S.N., Boulter, J., Ostlund, S.B., Murphy, N.P., Maidment, N.T. (2016). Role of Enkephalin in Dopamine D2-Receptor Expressing Neurons in Licking Microstructure. Poster Presented at the Society for Neuroscience Annual Conference.
- Mendez, I.A., Murphy, N.P., Ostlund, S.B., Maidment, N.T. (2016). Age-Related Differences in Licking Microstructural Indices of Incentive Motivation and Hedonic Impact in Rats. Poster Presented at the College for Problems on Drug Dependence Annual Conference.
- Mendez, I.A., Murphy, N.P., Ostlund, S.B., Maidment, N.T. (2015). Age-Dependent Changes in Licking Microstructure and Cue-Potentiated Licking in Rats. Poster Presented at the Society for Neuroscience Annual Conference.
- Mendez, I.A., Murphy, N.P., Lam, H.A., Ostlund, S.B., Boulter, J., Maidment, N.T. (2015). The Role of Enkephalin Signaling in Dopamine D2-Receptor Expressing Neurons in Food Reward and Aversion. Poster presented at the 13th Annual CNS Basic and Translational Science Symposium.
- Mendez, I.A. (2014). The role of endogenous nociceptin on feeding behavior. Talk Presented at the National Hispanic Science Network on Drug Abuse Annual Conference.
- Mendez, I.A., Kosheleff, A.R., Ostlund, S.B., Murphy, N.P., Maidment, N.T. (2013). Palatability responses and feeding behaviors in pro-enkephalin knockout mice. Poster Presented at the Society for Neuroscience Annual Conference.
- Mendez, I.A., Kosheleff, A.R., Ostlund, S.B., Murphy, N.P., Maidment, N.T. (2012). Differential effects of proenkephalin and beta-endorphin in measures of sucrose palatability. Poster Presented at the Society for Neuroscience Annual Conference.
- Mendez, I.A., Kosheleff, A.R., Ostlund, S.B., Murphy, N.P., Maidment, N.T.. (2012). The Role of Opioid Peptide and Receptors In Food Reward Processing. Talk Presented at the National Hispanic Science Network on Drug Abuse Annual Conference.
- Mendez, I.A., Simon, N.W., Hart, N., Mitchell, M.R., Nation, J.R., Wellman, P.J. and Setlow, B. (2011). Effects of methamphetamine binge treatment on performance in a working-memory task. Talk Presented at the National Hispanic Science Network Annual Conference.
- Mendez, I.A., Damborsky, J.C., Vokes, C.M., Gilbert, R., Winzer-Serhan, U.H., Bizon, J. and Setlow, B. (2011). The roles of nicotinic and muscarinic cholinergic receptors in cost-benefit decision making. Poster Presented at the College For Problems on Drug Dependence Annual Conference.
- Mendez, I.A., Damborsky, J.C., Gilbert, R., Winzer-Serhan, U.H., Bizon, J. and Setlow, B. (2010). The roles of nicotinic and muscarinic cholinergic receptors in cost-benefit decision making. Poster Presented at the Society for Neuroscience Annual Conference.
- Mendez, I.A., Simon, N.W., Hart, N., Mitchell, M.R., Nation, J.R., Wellman, P.J. and Setlow, B. (2010). The roles of nicotinic and muscarinic cholinergic receptors in cost-benefit decision making. Talk Presented at the National Hispanic Science Network Annual Conference.
- Mendez, I.A., Vokes, C.M., Gilbert, R.J., Bizon, J.L., Setlow, B. (2010). The roles of nicotinic and muscarinic cholinergic receptors in cost-benefit decision making. Poster Presented at the College For Problems on Drug Dependence Annual Conference.
- Mendez, I.A., Bizon, J.L., Setlow, B. (2009). The roles of nicotinic and muscarinic cholinergic receptors in risky and impulsive making. Poster presented at the NIDA Early Career Investigators, American Psychological Association Annual Conference.
- Mendez, I.A., Bizon, J.L., Setlow, B. (2009). The roles of nicotinic and muscarinic cholinergic receptors in risky and impulsive making. Poster presented at the Society for Neuroscience Annual Conference.
- Mendez, I.A., Setlow, B. (2009). The roles of nicotinic and muscarinic cholinergic receptors in decision making. Poster presented at the International Society for Research on Impulsivity Annual Conference.

Curriculum Vita

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- Setlow, B., Mendez, I.A., Simon, N.W., Hart, N., Mitchell, M.R., Nation, J.R. and Wellman, P.J. (2009). Self-administered cocaine causes lasting increases in impulsive choice in a delay discounting task. Talk Presented at the College For Problems on Drug Dependence Annual Conference.
- Mendez, I.A., Williams, M.T., Bhavsar, A., Lu, A., Bizon, J.L. and Setlow, B. (2008). Mechanisms of long-lasting incentive sensitization resulting from chronic amphetamine exposure. Poster presented at the NIDA Early Career Investigators, American Psychological Association Annual Conference.
- Mendez, I.A., Setlow, B. (2008). Long-lasting incentive sensitization resulting from chronic amphetamine exposure; role of NMDA receptors. Talk presented at the National Hispanic Science Network Annual Meeting.
- Setlow, B., Simon, N.W., Mendez, I.A. (2008). A rat model of risky decision-making: implications for addiction. Poster presented at the Society for Neuroscience Annual Conference.
- Mendez, I.A., Cepeda-Benito, A. (2008). Nicotine effects on meal pattern and body weight in rats on a high fat diet. Poster presented at the San Antonio Neuroscience Alliance Spring Retreat.
- Setlow, B., Mendez, I.A., and Simon, N.W. (2007). Effects of prior cocaine exposure and orbital frontal cortex lesions on instrumental responding. Poster and talk presented at the NYAS conference Linking Affect to Action: Critical Contributions of the Orbitofrontal Cortex.
- Mendez, I.A., Williams, M.T., Bhavsar, A., Lu, A., Bizon, J., Setlow, B. (2007). Amphetamine exposure and long-lasting sensitization of reward-directed behavior. Poster presented at the Pavlovian Society Conference.
- Mendez, I.A. (2007). Prior amphetamine exposure induces long-lasting sensitization of reward-directed behavior. Talk presented at the 7th National Hispanic Science Network on Drug Abuse Annual Meeting
- Mendez, I.A., De Souza, K.A., La Sarge, C.L., Simon, N.W., Bizon, J.L., and Setlow, B. (2006). Long-term effects of cocaine exposure on spatial learning and memory. Poster presented at the Society for Neuroscience Annual Conference.
- Mendez, I.A., De Souza, K.A., La Sarge, C.L., Simon, N.W., Bizon, J.L., and Setlow, B. (2006). Long-term effects of prior cocaine exposure on spatial learning. Poster presented at the 8th Annual Conference for the Neurobiology of Learning and Memory.
- Mendez, I.A., Winzer-Serhan, I.A., and Cepeda-Benito, A. (2005). Examination of the role of drug administration rate in the cellular and behavioral mechanisms of nicotine tolerance. Poster presented at the 5th National Hispanic Science Network on Drug Abuse Annual Meeting
- Mendez, I.A. and Trujillo, K.A. (2004). NMDA receptor antagonists inhibit morphine tolerance and sensitization in rats: Effects of MK-801, memantine and LY235959. Poster presented at the 4th National Hispanic Science Network on Drug Abuse Annual Meeting.
- Mendez, I.A. and Trujillo, K.A. (2003). NMDA receptor involvement in opiate-induced neural and behavioral plasticity: Studies with morphine, buprenorphine and methadone. Poster presented at the 3rd National Hispanic Science Network on Drug Abuse Annual Meeting.
- Mendez, I.A. (2003). Effects of the NMDA Receptor Antagonist MK-801 on Tolerance to Opiate Induced Analgesia in Rats. Talk presented at the CSU Statewide Student Research Competition.
- Trujillo, K.A., Warmoth, K.P., Peterson, D.J., and Mendez, I.A. (2002). NMDA receptors are involved in opiate-induced behavioral and neural plasticity. Poster presented at the Society for Neuroscience Annual Conference.
- Trujillo, K.A., Warmoth, K.P., Mendez, I.A., Watorski, K., Peterson, D.J., Albertson, D.N., and Swadley-Lewellen, R.M. (2001). Contrasting effects of NMDA receptor antagonists on opiate analgesia and locomotion. Poster presented at the 2001 College on Problems of Drug Dependence Annual Meeting.

Summer Research Project Presentations

(*Mentored Student Coauthors)

- *Giner, P., Flores, R.J., Mendez, I.A. (2018). The Role of Dopamine D2 Receptors in Cue-Induced Motivation for Reward. Poster Presented at UTEP Campus Office of Undergraduate Research Initiatives Summer Symposium.
- *Milan, V., Mendez, I.A., and Maidment, N.T. (2017). Age-Related Changes in the Motivational Aspects of Feeding Behavior in Adult and Aged Rats. Poster Presented at UCLA Summer Research Poster Day.
- *Torres, R., Mendez, I.A., and Maidment, N.T. (2017). Molecular Dissection of Striatal Endogenous Opioid Peptide Systems Involved in the Aversive Effects of Naloxone. Poster Presented at UCLA Summer Research Poster Day.

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Ian Mendez, Ph.D.

- *Campos, M., Mendez, I.A., and Maidment, N.T. (2016). The Role of Striatal Enkephalin in Cue-Induced Reward-Seeking Behavior. Talk Presented at SMC/UCLA Science and Research Initiative Program Symposium.
- *Campos, M., Mendez, I.A., Tsan, L., and Maidment, N.T. (2016). The Role of Striatal Enkephalin in Cue-Induced Reward-Seeking Behavior. Poster Presented at UCLA Summer Poster Day.
- *Lee, S.N., *Soriano, C., Lam H.A, Boulter, J., Mendez, I.A., Murphy, N.P., and Maidment, N.T.. (2016). Neurochemical Characterization of Mice Genetically Engineered to Selectively Delete or Rescue Expressions of Enkephalin in Neurons Co-Expressing the Dopamine Type 2 Receptor. Poster Presented at UCLA Summer Research Poster Day.
- *Lee, S.N., Mendez, I.A., Lam H.A, Ostlund, S.B., Boulter, J., Maidment, N.T. and Murphy, N.P. (2015). The Role of Enkephalin in D2 Dopamine Receptors in Sucrose Reward and Motivation. Poster Presented at UCLA Psychology Undergraduate Research Conference.