

MORGAN S. PALADINO

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EDUCATION

Texas A&M University • College Station, TX, USA

PhD in Psychology • August 2022- *present*

Trinity College Dublin • Dublin, Ireland

MSc. in Neuroscience (Distinction) • Sept 2018- July 2019 • GPA: 80/100 (3.95/4 WES equivalent)

- ❖ *Key courses:* Neuropharmacology, Neural Engineering, Statistical Skills
- ❖ *Research project:* LPI & PACAP-27: Endogenous GPR55 Agonists Suspected to Modulate Hippocampal Network Function
 - *Co-advisors:* Dr. Andrew Irving (University College Dublin) and Professor Mark Cunningham (Trinity College Dublin)

University of Notre Dame • Notre Dame, IN, USA • GPA: 3.76/4 (major); 3.442/4 (overall)

BS in Neuroscience and Behavior • Aug 2014 - May 2018

- ❖ *Key courses:* Cellular Neurobiology, Food & the Brain, Biostatistics

RESEARCH EXPERIENCE

Rutgers Robert Wood Johnson Medical School • Piscataway, NJ, USA

Laboratory Assistant • 60 hours/week • Aug 2021- August 2022

- ❖ *Supervisor:* Dr. Morgan James
- ❖ *Key skills obtained:*
 - behavioral assays
 - jugular catheterization
 - elevated plus maze
 - intraoral gavage
 - open field test
 - controlled substance management
 - social interaction test
 - undergraduate recruitment and training

University of Buffalo School of Arts and Sciences • Buffalo, NY, USA

Research Support Specialist • 50 hours/week • Sept 2019- June 2021

- ❖ *Supervisor:* Dr. Gregory Loney
- ❖ *Key skills obtained*
 - assembly & operation of operant conditioning boxes
 - stereotaxic virus injections
 - behavioral data analysis
 - gustometer operation
 - transcordial perfusions
 - Davis rig operation
 - slice immunofluorescence staining

Trinity College Institute of Neuroscience • Dublin, Ireland

Postgraduate Research Assistant • 50 hours/week • Feb - June 2019

- ❖ *Advisor:* Professor Mark Cunningham
- ❖ *Key skills obtained:*
 - *in vitro* slice electrophysiology
 - electrophysiology rig setup
 - vibratome coronal slice preparation
 - local field potential analysis using Spike2

University College Dublin • Dublin, Ireland

Visiting Student • 6-8 hours/week • March - June 2019

- ❖ *Advisor:* Dr. Andrew Irving
- ❖ *Key skills obtained:*
 - immunocytochemistry
 - confocal microscopy

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RESEARCH EXPERIENCE (CONT'D)

University of Dundee Medical School • Dundee, Scotland, United Kingdom

Visiting Student • 40 hours/week • December 2018

❖ *Advisor:* Dr. Jennifer Harvey

❖ *Key skills obtained:*

- slice field excitatory postsynaptic potential (fEPSP) recording
- fEPSP analysis using WinLTP

University of Buffalo School of Arts and Sciences • Buffalo, NY, USA

Research Assistant • 25 hours/week • June- July 2018

❖ *Advisor:* Dr. Ann-Marie Torregrossa

❖ *Key skills obtained:*

- rat saliva collection
- preparation of bitter-adulterated diets
- homecage food and fluid intake analysis

University of Notre Dame • Notre Dame, IN, USA

Undergraduate Research Assistant • 10 hours/week • Aug 2017- April 2018

❖ *Advisor:* Dr. Rashna Balsara

❖ *Key skills obtained:*

- *in vitro* calcium imaging
- preparing and pHing solutions
- ImageJ analysis

University of Buffalo Jacobs School of Medicine and Biomedical Sciences • Buffalo, NY, USA

Research Assistant • 25 hours/week • June - Aug 2017

❖ *Advisor:* Dr. Arin Bhattacharjee

❖ *Key skills obtained:*

- basic cell culture (i.e. daily maintenance, passaging, transfection)
- *in vitro* patch clamp electrophysiology
- behavioral scoring

PUBLICATIONS

Honeycutt SC, **Paladino MS**, Camadine RD, Mukherjee A, Loney GC (2022). Acute nicotine treatment enhances compulsive-like remifentanil self-administration that persists despite contextual punishment. *Addiction Biology*, 27(3), e13170.

Mukherjee A*, **Paladino MS***, McSain SL, Gilles-Thomas E, Lichte DD, Camadine RD, Willock S, Sontate K, Honeycutt SC, Loney GC. Changes in taste sensitivity to but not taste quality of ethanol following brief access ethanol exposure. Unpublished manuscript, Program in Behavioral Neuroscience, Department of Psychology, University at Buffalo, Buffalo, NY, USA (Submitted to *Alcoholism: Clinical and Experimental Research* in August 2022).

*Authors contributed equally

Paladino MS*, Krishnakumar N, O Connor SL, Gyawali U, Wiskerke J, James MH. Role of orexin receptor 1 signaling in sustained attention. Unpublished manuscript, Brain Health Institute, Department of Psychiatry, Rutgers, the State University of New Jersey, Piscataway, NJ, USA (In Preparation).

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POSTERS

Neurobiology of Drug Addiction Gordon Research Conference • Newry, ME • August 14th-19th, 2022

- ❖ “Dysregulated sleep during initial cocaine abstinence: A role for the orexin (hypocretin) system.”
 - *Authors:* Utsav Gyawali, **Morgan S. Paladino**, Morgan H. James

Rutgers Graduate Research in Interdisciplinary Biosciences Conference • Piscataway, NJ • April 12th, 2022

- ❖ “Exploring the efficacy of the dual orexin receptor antagonist suvorexant in reducing demand in a rodent model of cocaine use disorder.”
 - *Authors:* **Morgan S. Paladino**, Jakub H. Suchojad, Nivedita Krishnakumar, Shayna L. O Connor, Michelle M. Bilotti, Joost Wiskerke, Morgan H. James

Rutgers Brain Health Institute Annual Symposium • Piscataway, NJ • December 3rd, 2021

- ❖ “The dual orexin receptor antagonist suvorexant reduces demand for cocaine at non-sedating doses.”
 - *Authors:* **Morgan S. Paladino**, Shayna L. O Connor, Michelle M. Bilotti, Joost Wiskerke, Morgan H. James

Society for Neuroscience Annual Meeting • Chicago, IL (virtual) • Nov 8-11th, 2021

- ❖ “Brief-access to ethanol induces an increase in ethanol taste detection threshold without affecting its salient taste quality: a potential role for the insula in escalation of ethanol intake.”
 - *Authors:* Ashmita Mukherjee, **Morgan S. Paladino**, Sarah C. Honeycutt, Gregory C. Loney
- ❖ “Enhancement of compulsive-like opioid self-administration, and seeking, that persists despite two different forms of punishment-induced abstinence.”
 - *Authors:* Sarah C. Honeycutt, **Morgan S. Paladino**, Rece D. Camadine, Ashmita Mukherjee, Gregory C. Loney

Research Society on Alcoholism Annual Meeting • San Antonio, TX (virtual) • June 19-23rd, 2021

- ❖ “Changes in taste sensitivity to but not taste quality of ethanol following brief access ethanol exposure.”
 - *Authors:* **Morgan S. Paladino**, Ashmita Mukherjee, Sarah C. Honeycutt, Gregory C. Loney

Behavior, Biology, and Chemistry Conference • San Antonio, TX (virtual) • March 4-7th, 2021

- ❖ “Enhancement of compulsive-like opioid-directed behaviors in adulthood following adolescent nicotine exposure.”
 - *Authors:* Sarah C. Honeycutt, **Morgan S. Paladino**, Ashmita Mukherjee, Gregory C. Loney

HONORS & AWARDS

Lechner Graduate Grant • Texas A&M University

2022-2023 Recipient

- ❖ Awarded by the Texas A&M Department of Psychology to support an incoming graduate student

Naughton Fellowship • University of Notre Dame & Trinity College Dublin

2018-2019 Recipient

- ❖ Awarded by the University of Notre Dame for the pursuit of a Master’s degree in a STEM field at Trinity College Dublin

Nu Rho Psi (Neuroscience Honor Society) • University of Notre Dame

2018 Inductee