

ERIN S. CALIPARI, PH.D.



Director
Vanderbilt Center for Addiction Research

Associate Professor
Department of Pharmacology
Department of Molecular Physiology and Biophysics
Department of Psychiatry and Behavioral Sciences
Vanderbilt Brain Institute
Vanderbilt Institute for Infection, Immunology, and Inflammation
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EDUCATION

Graduate

2009-2013
Ph.D. in Neuroscience
Wake Forest School of Medicine
Winston-Salem, NC
Advisor, Sara R. Jones, Ph.D.

Undergraduate

2005-2009
B.S. in Psychology*
University of Massachusetts, Amherst
Amherst, MA
*With honors

Undergraduate

2005-2009
B.S. In Biology*
University of Massachusetts, Amherst
Amherst, MA
*With honors

RESEARCH EXPERIENCE

Postdoctoral

2014-2016
Postdoctoral Fellow
Dept. of Neuroscience
Icahn School of Medicine at Mount Sinai
Laboratory of Eric J. Nestler, Ph.D.

Graduate

2009-2013
Research Assistant/Doctoral Candidate
Dept. of Physiology and Pharmacology
Program in Neuroscience
Wake Forest School of Medicine
Laboratory of Sara R. Jones, Ph.D.

Undergraduate

2007-2009
Research Assistant
Dept. of Psychology
University of Massachusetts Amherst
Laboratory of Jerrold S. Meyer, Ph.D.

PROFESSIONAL EXPERIENCE

2024 - Present **Director**, Vanderbilt Center for Addiction Research, Vanderbilt University
2022-2023 **Associate Director**, Vanderbilt Center for Addiction Research, Vanderbilt University
2022-Present **Associate Professor**
Department of Pharmacology, Vanderbilt University School of Medicine
Department of Molecular Physiology and Biophysics, Vanderbilt University School of Medicine
Department of Psychiatry and Behavioral Sciences, Vanderbilt University Medical Center
2017-2022 **Assistant Professor**
Department of Pharmacology, Vanderbilt University School of Medicine
Department of Molecular Physiology and Biophysics, Vanderbilt University School of Medicine
Department of Psychiatry and Behavioral Sciences, Vanderbilt University Medical Center
2016-2017 **Instructor**
Department of Neuroscience, Icahn School of Medicine at Mount Sinai

HONORS AND AWARDS

- 2024** **ACNP Full Member**, *American College for Neuropsychopharmacology*
- 2023** **Vice Chair Elect**, Gordon Research Conference on Catecholamines
Highly Cited Paper (Citation Awards 2023), *Vanderbilt Institute for Infection, Immunology, and Inflammation*
For Kutlu et al. (2021) Dopamine in the nucleus accumbens core signals perceived saliency. **Current Biology. 31(21), 4748-4761.e8*
President, *Behavioral Pharmacology Society*
American Psychological Association Distinguished Scientific Award for Early Career Contribution to Psychology, *American Psychological Association (APA)*
- 2022** **Highly Cited Paper**, *Vanderbilt University, Basic Sciences*
For Johnson AR et al., (2019) Cues play a critical role in estrous-cycle dependent enhancement of cocaine reinforcement. **Neuropsychopharmacology. 44(7):1189-1197.*
Mentor of the Year, *Vanderbilt University – Office of the Provost*
External Advisory Committee, *Center for Chronic Pain and Drug Abuse, Northwestern University*
President-Elect, *Behavioral Pharmacology Society*
Chair, ACNP Publications Committee, *American College of Neuropsychopharmacology*
Dean's Faculty Fellow, *Vanderbilt University*
- 2021** **External Advisory Committee**, *Center for Neural Circuits in Addiction, University of Minnesota*
2021 Leading Research Advances, *Brain and Behavior Research Foundation – [Link](#)*
Co-Chair, ACNP Publications Committee, *American College of Neuropsychopharmacology*
Appointed as a Standing Member of Molecular and Cellular Neuropharmacology (MCNP) Study Section, *National Institutes of Health*.
- 2020** **Neuropsychopharmacology Editor's Early Career Award (NEECA)**, *American College of Neuropsychopharmacology (ACNP)/Neuropsychopharmacology (NPP)*
Global Voices Fellow, *Vanderbilt University*
Selected for Provost Research Studio (PRS), *Vanderbilt University*
Associate Editor, *Journal of Neuroscience*
ASPET Early Career Investigator Award, *American Society for Pharmacology and Experimental Therapeutics*
- 2019** **DP1 Avenir Award in Genetics and Epigenetics**, *National Institute on Drug Abuse*
Daniel X. Freedman Prize *Honorable Mention*, *Brain and Behavior Research Foundation*
Associate Editor, *Frontiers in Psychiatry (Addictive Disorders)*
ACNP Associate Member, *American College of Neuropsychopharmacology*
- 2018** **Scientist of the Month**, *Vanderbilt Brain Institute*
Research Grant, *Edward Mallinckrodt Jr. Foundation*
Whitehall Foundation Research Grant, *Whitehall Foundation*
NARSAD Young Investigator Award, *Brain and Behavior Research Foundation*
Editorial Board for Neuropsychopharmacology, *American College for Neuropsychopharmacology*
- 2017** **Postdoctoral Scientists Best Presentation Award, First Place**, *ASPET*
Young Investigator Award, *College on Problems of Drug Use and Dependence*
The Nancy Rutledge Zhaniser Award, *ASPET*
SOBP Travel Award, *Society of Biological Psychiatry*
- 2016** **Promising Young Investigator Award**, *Icahn School of Medicine at Mount Sinai*
Selected for NIDAA-NIAA Early Investigator Showcase, *NIDA-NIAA Frontiers in Addiction Research*
Outstanding Reviewer Award, *Journal of Neuroscience*
NARSAD Young Investigator Award, *Brain and Behavior Research Foundation*
K99-R00 Pathway to Independence Award (K99 DA042111)
Neuropharmacology Postdoctoral Fellow Travel Award, *ASPET*
Behavioral Pharmacology Society Postdoctoral Award, *Behavioral Pharmacology Society*
Postdoctoral Scientist Award Winner, *ASPET, Neuropharmacology Division*
Winter Conference on Brain Research Young Investigator Travel Award
- 2015** **Associate Chair-Elect**; *Gordon Research Seminar on Catecholamines*
Irwin J. Kopin Traveling Fellowship; *Gordon Research Conference on Catecholamines*
- 2014** **American College of Neuropsychopharmacology (ACNP) Travel Award**
Gordon A. Melson Outstanding Doctoral Student Award
- 2013** **NIDA Director's Award**, *National Institute on Drug Abuse*
Wake Forest University Alumni Travel Award; *Dopamine Conference*; *Alghero, Italy*
Graduate Student Travel Award, *American Society for Pharmacology and Experimental Therapeutics*

- 2012** **Mary A. Bell Award**, *Wake Forest School of Medicine Best Poster Award*, *XICS Catecholamine Symposium*; Pacific Grove, CA
Irwin J. Kopin Fellowship for Excellence in Catecholamine Research
Individual Ruth L. Kirschstein National Research Service Award (Predoctoral NRSA; F31 DA031533)
- 2011** **Institutional Ruth L. Kirschstein National Research Service Award** (T32 DA007246)
- 2010** **Wake Forest University Alumni Travel Award**; *International Conference on In Vivo Methods*; Brussels, Belgium
- 2009** **Wake Forest University Alumni Travel Award**; *AACR conference*; Washington, D.C.
- 2008** **Commonwealth College Honors Research Grant**, University of Massachusetts

RESEARCH SUPPORT

Current

03/15/24-02/28/2029

P60 AA031124, National Institute on Alcohol Abuse and Alcoholism

Role: MPI (Contact PI)

Vanderbilt AUD Research and Education Center (VAREC)

07/01/23-04/30/2028

R01 AA030931; National Institute on Alcohol Abuse and Alcoholism

Role: PI

Circuit control of motivation to take and seek alcohol

09/22/2021-7/31/2026

R01 DA052317; National Institute on Drug Abuse

Role: PI

Mechanisms of dopaminergic dysfunction in substance use disorder

07/01/19-05/30/2024

DP1 DA048931; National Institute on Drug Abuse

Role: PI

Making and breaking opioid memories to prevent relapse

06/15/23 – 6/30/25

Vanderbilt University Sesquicentennial Grant Program

Role: Co-I

Dare to Grow, Lead, and Thrive at Vanderbilt: From the Frontline to the Sideline to the Boardrooms

09/01/21 – 07/31/26

R01 DA042475; National Institute on Drug Abuse

Role: Co-I

Noradrenergic Regulation in the BNST

08/01/21 – 05/31/26

R01DA052460; National Institute on Drug Abuse

Role: Co-I

Circadian Rhythms and Cocaine Use Disorder

09/15/21 – 5/31/26

R01DA040630; National Institute on Drug Abuse

Role: Co-I

Parvalbumin interneurons regulate nucleus accumbens synapses and behavior

Completed

(\$70,000) 01/15/19-01/14/21

NARSAD Young Investigator Award; Brain and Behavior Research Foundation

Role: PI

Defining Ensemble Specific Transcriptional Signatures Controlling Motivated Behaviors

(\$180,000) 10/01/18-09/30/21
 Research Grant; Edward Mallinckrodt Jr Foundation
 Role: PI
Ensemble-specific cross-talk between the transcriptome and neural activity in anxiety

(\$225,000) 09/01/18-08/30/21
 Whitehall Foundation Grant; Whitehall Foundation
 Role: PI
Ensemble integration into brain-wide networks for behavioral control

(\$747,000) 08/01/2016 – 7/29/2021
 R00DA042111; National Institute on Drug Abuse
 K99-R00 Pathway to Independence Award
 Role: PI
Defining the Role of D1 and D2 Medium Spiny Neurons in Relapse to Cocaine Seeking

(\$30,000) 01/01/19-01/01/20
 Hobbs Discovery Grant; Vanderbilt University Kennedy Center
 Role: Co-PI
Consequences of early immune activation on nucleus accumbens circuit function

(\$50,000) 01/01/19-12/31/19
 Vanderbilt Brain Institute; Trans-institutional program in precision medicine
 Role: Co-PI
Diacylglycerol lipase-alpha as a pharmacotherapeutic target for drug addiction

(\$70,000) 02/25/17-02/24/19
 01/01/2017 – 12/31/2019
 NARSAD Young Investigator Award; Brain and Behavior Research Foundation
 Role: PI
Circuit-Based Mechanisms for Divergent Encoding of Positive and Negative Valence

(\$58,000) 7/01/18-02/28/19
 R01ES016931; National Institute of Environmental Health Sciences
 Role: Co-investigator
Gene-intoxicant interactions in Huntington's disease

08/01/2012 – 12/29/2013
 F31 DA031533; National Institute on Drug Abuse
 Ruth L. Kirschstein National Research Service Award (NIDA)
 Role: PI
The Effect of Methylphenidate Use and Abuse on Dopamine System Kinetics

06/01/2011 – 07/31/2012
 T32 DA007246; National Institute on Drug Abuse
Neuroscience of Drug Abuse Training Grant

SERVICE AND OUTREACH

Grant Review Committees and Study Sections

2024, Feb	MCNP Panel, Molecular and Cellular Neuropharmacology Study Section, Standing Member
2023, Oct	MCNP Panel, Molecular and Cellular Neuropharmacology Study Section, Standing Member
2023, Jun	MCNP Panel, Molecular and Cellular Neuropharmacology Study Section, Standing Member
2023, Feb	MCNP Panel, Molecular and Cellular Neuropharmacology Study Section, Standing Member
2022, Oct	MCNP Panel, Molecular and Cellular Neuropharmacology Study Section, Standing Member
2022, Feb	2022/05 ZDA1 IXR-Q (04), Avenir Award Program for Genetics or Epigenetics of Substance Use

2021, Nov Jul 2021-	<i>Disorders, NIDA Study Section, Ad Hoc Member</i> MCNP Panel, Molecular and Cellular Neuropharmacology Study Section, Standing Member Molecular and Cellular Neuropharmacology (MCNP) – Standing Member, *Formerly Molecular Neuropharmacology and Signaling (MNPS)
2021, Jan 2021, Jan	2021/05 ZNS1 SRB-X (15) BRAIN K99 to promote Diversity ZNS1 SRB(X15), Ad Hoc Member 2021/05 ZDA1 IXN-O (02) S, Avenir Award Program for Genetics or Epigenetics of Substance Use Disorders, NIDA Study Section, Ad Hoc Member
2020, Oct 2020, Oct 2020, Sept	2021/01 ZDA1 SKP-D (18) S, Cutting-Edge Basic Research Awards (CEBRA) (R21), Ad Hoc Member 2021/01 ZRG1 F02A-K (20) L, Fellowships: Behavioral Neuroscience, Ad Hoc Member ZNS1 SRB X11, BRAIN K99 to promote Diversity, Ad Hoc Member
2020, Jun 2020, Feb 2019, Dec	2020/10 MNPS, Molecular Neuropharmacology and Signaling, Ad Hoc Member 2020/01 MNPS, Molecular Neuropharmacology and Signaling, Ad Hoc Member 2020/05 ZDA1 IXN-O (02) S, Avenir Award Program for Genetics or Epigenetics of Substance Use Disorders, NIDA Study Section, Ad Hoc Member
2019, Nov 2019, Jul 2019, Jun 2019, May 2019, Feb 2018, Oct 2018, Feb	2020/01 ZDA1 SXM-M (04) S, CEBRA R21, NIDA Study Section, Ad Hoc Member ZNS1 SRB-D05, NINDS BRAINS K99/R00 Review group, Ad Hoc Member 2019/10 MNPS, Molecular Neuropharmacology and Signaling, Ad Hoc Member ZDA1 SXM-M (22) S, CEBRA R21, NIDA Study Section, Ad Hoc Member 2019/05 MNPS, Molecular Neuropharmacology and Signaling, Ad Hoc Member ZDA1 SXM-M (09) S, CEBRA R21, NIDA Study Section, Ad Hoc Member ZDA1 SXM-M (16) S, CEBRA R21, NIDA Study Section, Ad Hoc Member

Editorial Boards

2022-Present	European Addiction Research, Associate Editor
2022-Present	Pharmacological Reviews, Associate Editor
2021-Present	International Review of Neurobiology, Editorial Board
2020-Present	Journal of Neuroscience, Associate Editor
2019-Present	Experimental and Clinical Psychopharmacology, Editorial Board
2018-Present	Neuropsychopharmacology, Editorial Board
2022	eLife, Associate Editor
2022	Journal of Experimental Analysis of Behavior, Associate Editor
2019-2023	Frontiers in Psychiatry (Addictive Disorders), Associate Editor

Advisory Boards

2020-Present	Vestigo, Editorial Advisory Board Member
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Scientific Groups

2022-Present	Vanderbilt University School of Medicine Drug Policy Group, Faculty Chair
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Committees**External**

2024-2026	American College for Neuropsychopharmacology, Women's Committee
2023-Present	Winter Conference on Brain Research, Program Committee
2023 – 2024	American College for Neuropsychopharmacology, Scientific Communications Committee Member
2022- 2023	American College for Neuropsychopharmacology, Publications Committee <u>Chair</u>
2021-2022	American College for Neuropsychopharmacology, Publications Committee <u>Co-Chair</u>
2019-2023	American College for Neuropsychopharmacology, Publications Committee Member

Internal

2023	Catalyst Fund Review Committee (CFRC), Office of the Provost
2023	Department of Pharmacology, Search Committee
2022	Department of Pharmacology, Search Committee
2021	Department of Pharmacology, Search Committee
2018-Present	Department of Pharmacology, Endowed Lecture Committee
2018	Vanderbilt Brain Institute, Search Committee
2018	Department of Pharmacology, Cancer Pharmacology Search Committee
2018- Present	Vanderbilt Brain Institute, VBI Outreach Committee
2018- 2021	Dean's Office, Committee on the Status of Women in Vanderbilt Basic Sciences

Conferences and Organizations

June 2023	Symposium Chair , <i>Gordon Research Conference on Catecholamines</i>
May 2023	Symposium Chair , <i>American Society for Pharmacology and Experimental Therapeutics</i>
May 2023	President, Conference Organizer , <i>Behavioral Pharmacology Society Annual Meeting</i> , St. Louis, MO
June 2023	Symposium Chair , <i>Research Society on Alcohol</i>
Jan 2023	Symposium Co-Chair , <i>Winter Conference on Brain Research</i>
Nov 2022	Nanosymposium Chair , <i>Society for Neuroscience</i>
Sept 2022	Symposium Co-Chair , <i>International Society of Neurochemistry</i>
June 2022	Reviewer , <i>Society for Neuroscience</i> , Reviewer for abstracts selected for press releases
June 2022	Symposium Chair , <i>Gordon Conference on Physiology, Dysfunction and Targets of Pharmacotherapy</i>
Nov 2018	Nanosymposium Chair , <i>Society for Neuroscience</i>
Jan 2018	Symposium Chair , <i>Winter Conference on Brain Research</i>
2017-Present	Executive Council Member , <i>American Society for Pharmacology & Experimental Therapeutics (ASPET)</i>
Jan 2017	Symposium Chair , <i>Winter Conference on Brain Research</i>
2016-Present	Council Member , <i>Postdoc Executive Committee</i>
2016-Present	Executive Council Member , <i>The Catecholamine Society</i>
2016-Present	Vice President , <i>Sinai Women in Science</i>
July 2016	Symposium Chair , <i>Research Society on Alcoholism</i>
2015-Present	Organizing Committee , <i>Icahn School of Medicine MSN Seminar Series</i>
2015-2016	Chair of the Professional Development Committee , <i>Sinai Women in Science</i>
March 2016	Symposium Chair , <i>Monitoring Molecules in Neuroscience: In Vivo Methods</i> . Gothenburg, Sweden
Jan 2016	Symposium Chair , <i>Winter Conference on Brain Research</i> . Breckenridge, CO
2015-Present	Associate Chair-Elect ; <i>Gordon Research Seminar on Catecholamines</i>
2015-Present	Council Member , <i>The Catecholamine Society</i>

Outreach

2022	Hillsboro High School Host for Addiction Center Visit
2019	Craft Academy for Excellence in Science and Mathematics Host
2018-Present	Brain Awareness Fair Organizer; Nashville, TN
2016-2017	1000 Girls 1000 Futures, Group Leader; <i>New York Academy of Sciences</i>
2014-2017	Greater NYC Chapter of SFN BraiNY Volunteer; New York, NY
2014-2017	Brain Awareness Fair Presenter; New York, NY
2015-2016	1000 Girls 1000 Futures, Mentor; <i>New York Academy of Sciences</i>
2010-2013	Kernersville Cares for Kids Scientific Outreach Events, Wake Forest School of Medicine; Winston-Salem, NC
2010-2013	Brain Awareness Outreach Presenter, 3-5 visits to local K-12 schools yearly; Winston-Salem, NC

Student Mentorship / Training**Postdoctoral Fellows/Junior Faculty**

2023-Present	Hannah Elam, Vanderbilt University, Postdoctoral Fellow
2023-Present	Eleanor Holmgren, Vanderbilt University, Postdoctoral Fellow
2023-Present	Devan Gomes, Vanderbilt University, Postdoctoral Fellow
2022-Present	Michael Leonard, Vanderbilt University, Postdoctoral Fellow
2020-Present	Maxime Chevee, Vanderbilt University, Postdoctoral Fellow
2019-2022	Suzanne Nolan, Vanderbilt University, Postdoctoral Fellow
2018-2022	Alberto Lopez, Vanderbilt University, Postdoctoral Fellow
2018-2023	Lillian Brady, Vanderbilt University, Postdoctoral Fellow
2018- 2022	Amy Johnson, Vanderbilt University, Postdoctoral Fellow
2017-2023	Munir Gunes Kutlu, Vanderbilt University, Research Instructor

Graduate Students

2022-Present	Kristine Yoon, Vanderbilt University, Graduate Student
2021-Present	Soren Emerson, Vanderbilt University, Graduate Student - Neuroscience
2021-Present	Brooke Christensen, Vanderbilt University, Graduate Student - Neuroscience
2019-Present	Stephanie Cajigas, Vanderbilt University, Graduate Student - MSTP
2018- 2024	Kimberly Thibeault, Vanderbilt University, Graduate Student – Neuroscience
2019- 2023	Jennifer Zachry, Vanderbilt University, Graduate Student - Pharmacology
2019-2021	Amanda Watters, Vanderbilt University, Master's Student
2016-2017	Arthur Godino, Icahn School of Medicine at Mount Sinai, Master's Student

2011-2014 Jamie Rose, Wake Forest School of Medicine, Graduate Student

Undergraduate Researchers/ Research Assistants

2024-Present Sofia Lago, Vanderbilt University, Undergraduate Researcher
 2023-Present Sophia Duncan, Vanderbilt University, Undergraduate Researcher
 2023-Present Chloe Peng, Vanderbilt University, Undergraduate Researcher
 2022-Present Abigail Carr, Vanderbilt University, Undergraduate Researcher
 2022-Present Rishik Bethi, Vanderbilt University, Undergraduate Researcher
 2022-2023 Addison Van Namen, Vanderbilt University, Undergraduate Researcher
 2022-2023 Daniel Bello, Vanderbilt University, Undergraduate Researcher
 2022-2023 Alex Chawdhry, Vanderbilt University, Undergraduate Researcher
 2021-2023 Emma Follman, Vanderbilt University, Undergraduate Researcher
 2021-2023 Courtney Kim, Vanderbilt University, Undergraduate Researcher
 2020-2023 Grace Bailey, Vanderbilt University, Undergraduate Researcher ***Completed Honors Thesis**
 2020-2023 Dev Patel, Vanderbilt University, Undergraduate Researcher
 2020-2022 Joseph Dryer, Vanderbilt University, Undergraduate Researcher
 2019-2022 Allison Morris, Vanderbilt University, Undergraduate Researcher
 2023 Jeremiah Bancroft, Vanderbilt University, Undergraduate Researcher
 2018-2023 Jennifer Tat, Vanderbilt University, Undergraduate Researcher ***Completed Honors Thesis**
 2020-2022 Bryson Rorie, Vanderbilt University, Undergraduate Researcher
 2021 Summer Julian Delgado, Vanderbilt University, Undergraduate Researcher
 2021-Summer Krisha Shah, Vanderbilt University, Undergraduate Researcher
 2020-2021 Anthony Gaidici, Vanderbilt University, Undergraduate Researcher
 2019-2020 Shannon Kelly, Belmont University, Undergraduate Researcher
 2019-2020 Heather Haynes, Vanderbilt University, Undergraduate Researcher
 2019-2020 Emily Chuang, Vanderbilt University, Undergraduate Researcher
 2018-2020 Sophie Halper, Vanderbilt University, Undergraduate Researcher
 2018-2019 Ashley Hendricks, Vanderbilt University, Undergraduate Researcher
 2018-2019 Ryley Guay, Vanderbilt University, Undergraduate Researcher
 2017-2019 Christina Sanders, Vanderbilt University, Undergraduate Researcher
 2016-2017 Emily Grace Peck, Icahn School of Medicine at Mount Sinai, Research Assistant
 2015-2017 Stephen Pirpinias, Icahn School of Medicine at Mount Sinai, Queens College Undergraduate
 2016, Summer Lester Paul Sands, Icahn School of Medicine at Mount Sinai, The University of the South
 2014-2016 Matthew Rivera, Icahn School of Medicine at Mount Sinai, High School Student
 2015-2016 Jacqueline Shay, Icahn School of Medicine at Mount Sinai, Queens College Undergraduate
 2014, Summer Sonia Lombroso, Icahn School of Medicine at Mount Sinai, Undergraduate

Faculty Mentoring Committees

2023-Present Prashant Donthamsetti, *Department of Pharmacology*, Vanderbilt University
 2021-2023 Alan Lewis, *Department of Psychiatry*, Vanderbilt University

Undergraduate Honors Thesis Committees

2022 Laith Kayat, Vanderbilt University, Undergraduate Researcher
 2022 Katherine Moore, Vanderbilt University, Undergraduate Researcher
 2021 Jennifer Tat, Vanderbilt University, Undergraduate Researcher
 2019 Riley Ferguson, Vanderbilt University, Undergraduate Researcher

Graduate Thesis Committee Member

Chair:

Internal

2023-Present Jose Zepeda, Vanderbilt University, Pharmacology, Graduate Student
 2022-Present Danielle Adank, Vanderbilt University, Neuroscience Graduate Student
 2021-Present Rebecca Buchanan, Vanderbilt University, Neuroscience Graduate Student
 2020-Present Niharika Loomba, Vanderbilt University, Neuroscience, Graduate Student
 2020-Present Bretton Nabit, Vanderbilt University, Pharmacology, Graduate Student
 2021-2023 Alexis Jameson, Vanderbilt University, Neuroscience Graduate Student
 2021-2023 Anne Taylor, Vanderbilt University, Neuroscience Graduate Student

Committee Member:

Internal

2024-Present Anthony Ferranti, Vanderbilt University, Pharmacology, Graduate Student
 2023-Present Oliva Nunn, Vanderbilt University, Biological Sciences, Graduate Student
 2023-Present Ken Rahman, Vanderbilt University, Psychology Graduate Student
 2023-Present Sarah Cooper, Vanderbilt University, Neuroscience, Graduate Student
 2020-Present Serena Sweet, Vanderbilt University, Molecular Physiology and Biophysics, Graduate Student
 2021-2024 Leah Mann, Vanderbilt University, Neuroscience, Graduate Student
 2023 Ritika Raghavan, Vanderbilt University, Neuroscience, Graduate Student
 2019- 2023 Veronika Kondev, Vanderbilt University, Neuroscience, Graduate Student
 2018- 2023 Kellie Williford, Vanderbilt University, Neuroscience, Graduate Student
 2018- 2022 Nathan Winters, Vanderbilt University, Neuroscience Graduate Student
 2018- 2022 Jordan Brown, Vanderbilt University, Pharmacology, Graduate Student
 2018- 2020 Bridget Collins, Vanderbilt University, Graduate Student
 2019-2021 Benjamin Coleman, Vanderbilt University, Pharmacology, Graduate Student
 2019- 2021 Alexis Jameson, Vanderbilt University, Neuroscience, Graduate Student
 2019-2020 Benjamin Voloh, Vanderbilt University, Psychology Graduate Student
 2018- 2020 Rafael Perez, Vanderbilt University, Neuroscience, Graduate Student
 2018- 2019 Kristina Kitko, Vanderbilt University, Engineering, Graduate Student
 2018- 2019 Corey Roach, Vanderbilt University, Psychology, Graduate Student

External

2024-Present Jonathon Sens, Wake Forest School of Medicine, Neuroscience Graduate Student
 2021-2022 Daniel Gabriel, University of Memphis, Graduate Student
 2020-Present Emily Grace Peck, Wake Forest School of Medicine, Neuroscience Graduate Student
 2019 Nick Everett, Macquarie University, Australia, Graduate Student

Ad Hoc Reviewer: Science, Nature, Nature Neuroscience, Neuron, Nature Communications, eLife, Molecular Psychiatry, Biological Psychiatry, Science Advances, Current Biology, Journal of Neuroscience, Neuropsychopharmacology, Drug and Alcohol Dependence, eNeuro, ACS Chemical Neuroscience, Journal of Clinical Investigation, Neurochemistry International, Journal of Neurochemistry, Journal of Neuroscience Research, Psychopharmacology, Brain Structure and Function, Alcohol and Alcoholism, Nature Human Behavior, Alcohol, Communications Biology, Frontiers in Psychiatry, Experimental and Clinical Psychopharmacology, Life Sciences, Translational Psychiatry, Journal of Pharmacology and Experimental Therapeutics, Cell Reports, PLOS Biology, Communications Biology

PROFESSIONAL MEMBERSHIPS

2019 – Present American College for Neuropsychopharmacology
 Canadian Neuroscience Society
 2015 – Present Research Society on Alcoholism,
 The Catecholamine Society (*Executive Council Member*)
 International Society for Neurochemistry
 Behavioral Pharmacology Society ***President 2022-2024**
 2014 – Present Greater New York City Chapter of the Society for Neuroscience
 2013 – Present International Society for Monitoring Molecules in Neuroscience
 2012 – Present American Society for Pharmacology & Experimental Therapeutics (*Executive Council Member*)
 2011 – Present Society for Neuroscience

PUBLICATIONS (96 publications, H-Index = 43; i10 Index = 73; Citations = 6147)

Papers denoted in blue have 75+ citations.

Primary Research Articles

- Zachry JE, Kutlu MG, Yoon HJ, Leonard MZ, Chevee M, Patel DD, Gaidici A, Kondev V, Thibeault KC, Bethi R, Tat JT, Melugin PR, Isiktas AU, Joffe ME, Cai DJ, Conn PJ, Grueter BA, **Calipari ES** (2024) Accumbal D1 and D2 medium spiny neurons have distinct and valence-independent roles in learning. *Neuron*. In Press.
- Montgomery SE, Long L, Russo SJ, **Calipari ES**, Nestler EJ, Morel C, Han MH (2023) Mesolimbic neural response dynamics predict future individual alcohol drinking in mice. *Biological Psychiatry*. In Press.

3. Chevé M, Kim C, Crow JN, Follman EG, **Calipari ES** (2023) Sensitivity to outcome devaluation in operant tasks is better predicted by food restriction level than reinforcement training schedule in mice. *eNeuro*. Accepted.
4. Kutlu MG, Tat J, Christensen BA, Zachry JE, **Calipari ES** (2023) Dopamine release at the time of a predicted aversive outcome causally controls the trajectory and expression of conditioned behavior. *Cell Reports*. In Press.
5. Meckel KR, Simpson SS, Godino A, Peck EG, Sens JP, Leonard MZ, George O, **Calipari ES**, Hofford RS, Kiraly DD (2023) Microbial short-chain fatty acids regulate drug seeking and transcriptional control in a model of cocaine seeking. *Neuropsychopharmacology*. In press.
6. Williford KM, Taylor A, Melchior J, Yoon HJ, Sale E, Bedenbaugh MN, Brown JA, Luchsinger JR, Centanni SW, Patel S, **Calipari ES**, Simerly RB, Winder DG (2023) BNST PKCdelta neurons are differentially recruited by stress and aversive stimuli and drive anxiety-like behavior. *Neuropsychopharmacology*. In Press.
7. Emerson SD, Chevee M, Mews P, **Calipari ES** (2023) The transcriptional response to acute cocaine is inverted in male mice with a history of cocaine self-administration and withdrawal throughout the mesocorticolimbic system. *Molecular and Cellular Neuroscience*. In Press.
8. Jameson AN, Siemann JK, Melchior J, **Calipari ES**, McMahon DG, Grueter BA (2023) Photoperiod impacts nucleus accumbens dopamine dynamics in a sex-specific manner. *eNeuro*. In Press.
9. Follman E, Chevee M, Kim C, Johnson AR, Tat J, **Calipari ES** (2022) Task parameters influence operant response variability in mice. *Psychopharmacology*. In Press.
10. Brown JA, Peterson N, Centanni SW, Jin AY, Yoon HJ, Cajigas S, Bedenbaugh MN, Luchsinger JR, Patel S, **Calipari ES**, Simerly RB, Winder DG (2022) An ensemble recruited by α 2a-adrenergic receptors is engaged in a stressor-specific manner. *Neuropsychopharmacology*. In Press.
11. Kutlu MG, Zachry JE, Melugin PR, Cajigas S, Isiktas A, Siciliano CA, Schoenbaum G, Sharpe MJ, **Calipari ES** (2022). Dopamine signaling in the nucleus accumbens core mediates latent inhibition. *Nature Neuroscience*. In press.
12. Johnson AR, Christensen BA, Kelly SJ, **Calipari ES** (2022) The influence of reinforcement schedule on experience-dependent changes in motivation. *Journal of Experimental Analysis of Behavior*. In Press.
13. Morel C, Montgomery SE, Li L, Ku SM, Juarez B, R Durand-de Cuttoli, Tzavaras N, Flannigan ME, Cai M, Walsh JJ, Russo SJ, Nestler EJ, **Calipari ES**, Friedman AK, Han MH (2022) Midbrain projections to the basolateral amygdala encodes anxiety behaviors. *Nature Communications*. 13, 1532.
14. Wilcox JM, Consoli DC, Paffenroth KC, Spitznagel BD, **Calipari ES**, Bowman AB, Harrison FE (2022) Manganese-induced hyperactivity and dopaminergic dysfunction depend on age, sex, and YAC128 genotype. *Pharmacology Biochemistry and Behavior*. 213:173337.
15. Joffe ME, Maksymetz J, Luschinger JL, Dogra S, Ferranti AS, Luessen DJ, Gallinger IM, Branthwaite H, Melugin PR, Williford KM, Centanni SW, Shields BC, Lindsley CW, **Calipari ES**, Siciliano SA, Niswender CM, Tadross MR, Winder DG, Conn JP (2022) Acute stress usurps prefrontal cortex circuit function through mGlu5 receptor plasticity on somatostatin-expressing interneurons. *Neuron*. 110(6):1068-1083.e5.
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Reviews, Commentaries, and Book Chapters

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79. Gipson CG, Soto PL, **Calipari ES**, Platt DM, Salamone JD, Bevins RA (2022) Using complex behavior to understand brain mechanisms in health and disease. *Journal of Experimental Analysis of Behavior*. In press.
80. Gilpin NW, **Calipari ES** (2021) The critical importance of understanding comorbidities to effectively treat drug addiction. *International Review of Neurobiology*. Volume 157, 2021, Pages xiii-xv.
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Editorial Work – Published Books, Special Issues

96. Gilpin NE, **Calipari ES** (2020) Neurobiology of Addiction and Co-Morbid Disorders. *International Review of Neurobiology*. Volume 157.

Manuscripts Submitted and Under Revision

97. Thibeault KC, Kondev V, Bethi R, Lopez AJ, Sens JP, Emerson SD, Nabit BP, Winder DG, Patel S, Kiraly DD, Grueter BG, **Calipari ES**. A cocaine-activated ensemble increases its control over behavior while decreasing ensemble size. *Biological Psychiatry*. Under Revision.
98. Kutlu MG, Cajigas SA, Zachry JE, **Calipari ES**. Novelty influences dopamine responses to conditioned and unconditioned stimuli over extended temporal windows. *Neuropsychopharmacology*. Under Revision.
99. Rinker JA, Kutlu MG, Knapp J, Hoffman M, Wukitsch TJ, **Calipari ES**, McMahan CS, Baker GH, Woodward JJ, Mulholland PJ. Prelimbic neuron calcium activity predicts hedonic value across drinking solutions and ethanol-dependent states in mice. Under Revision.
100. Tat JT, Brady LJ, Christensen BA, Holmgren EB, Emerson SD, Carr AL, **Calipari ES**. Stimulant effects on the dopamine system are sexually dimorphic and sensitive to ovarian hormone cycles. *Journal of Clinical Investigation*. Under Revision.
101. Kutlu MG, Zachry JE, Thibeault KC, Chevee M, Nieh EH, **Calipari ES**. Static patterns of activity in the nucleus accumbens core are represented by transient ensemble activation. Submitted.
102. Luessen DJ, Gallinger IM, Wolfe B, Meadows M, Leonard MZ, Freitas GA, Lindley CW, **Calipari ES**, Niswender CM, Conn PJ. Selective mGlu₁ receptor activation restores cortical inhibitory tone and improves cognitive performance in a subchronic phencyclidine NMDA hypofunction model. *Biological Psychiatry*. Under Review.

TALKS

CONFERENCES

Domestic

1. **Calipari ES** (2024, March) Accumbal D1 and D2 medium spiny neurons have distinct but interdependent (valence-free) roles in associative learning. *Gordon Research Conference: Cell Types That Give Rise to Function of the Basal Ganglia*. Ventura, CA.
2. **Calipari ES** (2024, March) Accumbal D1 and D2 medium spiny neurons have distinct but interdependent (valence-free) roles in associative learning. *Molecular Psychiatry Association*. Kona, HI.
3. **Calipari ES** (2024, January) A cocaine-activated ensemble increases its control over behavior while decreasing ensemble size. *Winter Conference on Brain Research*. Breckenridge, CO.
4. **Calipari ES** (2023, September) Accumbal D1 and D2 medium spiny neurons have distinct but interdependent (valence-free) roles in associative learning. *Pavlovian Society Annual Meeting*. Austin, TX.
5. **Calipari ES** (2023, June) Sex differences in the neural mechanisms controlling negative reinforcement. *Research Society on Alcohol*. Bellevue, WA.
6. **Calipari ES** (2023, May) Genetically encoded indicators for neurochemical detection. *American Society for Pharmacology and Experimental Therapeutics*. St. Louis, MO.
7. **Calipari ES** (2023, January) Accumbal D1 and D2 medium spiny neurons have distinct but interdependent (valence-free) roles in associative learning. *Winter Conference on Brain Research*. Salt Lake County, Utah.
8. **Calipari ES** (2023, January) A novel framework for the role of accumbal dopamine in learning and memory. *Winter Conference on Brain Research*. Salt Lake County, Utah.
9. **Calipari ES** (2022, August) A novel nicotinic receptor-based mechanism for sex-specific dopamine regulation by 17 β -estradiol. *Gordon Research Conference: Neurobiology of Addiction*. Newry, ME.
10. **Calipari ES** (2022, July) A novel framework for the role of accumbal dopamine in learning and memory. *Gordon Research Conference: Optogenetic Approaches to Understanding Neural Circuits and Behavior*. Newry, ME.
11. **Calipari ES** (2022, February) Dopamine release in the nucleus accumbens causally controls latent inhibition. *Winter Conference on Brain Research*. Snowmass, CO.
12. **Calipari ES** (2022, February) A novel mechanism for sex-specific dopamine regulation by 17 β -estradiol. *Winter Conference on Brain Research*. Snowmass, CO.
13. **Calipari ES** (2021, November) Cocaine self-administration induces divergent protein expression in the nucleus accumbens of male and female mice to eliminate basal sex differences. *Society for Neuroscience*. *Online due to

- COVID-19.
14. **Calipari ES** (2020, October) Divergent Molecular Adaptations in the Striatum Control the Transition to Addiction in Males and Females. *Focus on Pharmacology Showcase: ASPET meeting*. *Online due to COVID-19.
 15. **Calipari ES** (2020, July) A balancing act: females prioritize avoiding aversive stimuli when making value-based decisions. *American Psychological Association Annual Meeting*. Washington, DC. *Online due to COVID-19 pandemic.
 16. **Calipari ES** (2020, March) A novel computational framework for the role of dopamine in learning and memory. *Gordon Conference on Alcohol Research*. Galveston, TX.
 17. **Calipari ES** (2020, January) A novel framework for cell-type specific stimulus encoding in the nucleus accumbens. *Winter Conference on Brain Research*. Big Sky, MT.
 18. **Calipari ES** (2020, January) Unique molecular profiles induced by cocaine self-administration in males and females. *2020 NIDA Genetics and Epigenetics Cross-Cutting Research Team Meeting*. Bethesda, MD.
 19. **Calipari ES** (2019, October) A novel framework for cell-type specific stimulus encoding in the nucleus accumbens. *Molecular and Cellular Cognition Society (MCCS)*. Chicago, IL.
 20. **Calipari ES** (2019, August) Dopaminergic mechanisms underlying sex differences in valence-based decision making. *Gordon Conference on Catecholamines*. Newry, ME.
 21. **Calipari ES** (2019, June) Developing novel preclinical models to study addiction in females. *College on Problems of Drug Dependence*. San Antonio, TX.
 22. **Calipari ES** (2019, April) Sex differences in positive and negative reinforcement. *Behavioral Pharmacology Society*. Orlando, FL.
 23. **Calipari ES** (2019, February) The neural basis of deficits in behavioral strategies in addiction. *Local NIDA Meeting at the University of Kentucky*. Lexington, KY.
 24. **Calipari ES** (2019, January) Cell-type specific mechanisms underlying sex-specific behavioral strategies. *Winter Conference on Brain Research*. Snowmass, Utah.
 25. **Calipari ES** (2019, January) Epigenetic signatures underlying cue-induced drug seeking. *Winter Conference on Brain Research*. Snowmass, Utah.
 26. **Calipari ES** (2018, September) Pathway-specific and activity-dependent dopamine transporter phosphorylation underlies addiction vulnerability in females. *Genetic Manipulation of Neuronal Activity*. Janelia Research Campus.
 27. **Calipari ES** (2018, June) Granulocyte colony stimulating factor as a peripheral mediator of reward learning and its dysregulation in addiction. *Research Society on Alcoholism*. San Diego, CA.
 28. **Calipari ES** (2018, June) Estrous Cycle-dependent Alterations in Stimulant Actions at the Dopamine Transporter Underlie Enhanced Cocaine Reward in Females. *Gordon Research Conference on Membrane Transport Proteins*. Newry, ME.
 29. **Calipari ES** (2018, May) Enhanced Dopaminergic Function During Estrus Drives Increased Addiction Vulnerability in Females. *Organization for the Study of Sex Differences*. Atlanta, GA.
 30. **Calipari ES** (2018, April) Granulocyte colony stimulating factor enhances learning about salient stimuli through potentiation of mesolimbic dopamine system function. *Behavioral Pharmacology Society*. San Diego, CA.
 31. **Calipari ES** (2017, June) Estrous cycle-dependent alterations in dopaminergic dynamics underlie increased addiction vulnerability in females. *Research Society on Alcoholism*. Denver, CO.
 32. **Calipari ES** (2017, April) Estrous Cycle-dependent Alterations in Cocaine Affinity at the Dopamine Transporter Underlie Enhanced Cocaine Reward in Females. *American Society for Pharmacology and Experimental Therapeutics*. Chicago, MI.
 33. **Calipari ES** (2017, February) Hormone-dependent fluctuations in dopamine function underlie sex differences in cocaine abuse vulnerability. *The New York Society for Addiction Medicine's 13th Annual Conference*. New York, NY.
 34. **Calipari ES** (2017, January) The role of dopamine projections to the ventral striatum in sex-specific reward processing. *Winter Conference on Brain Research*. Big Sky, MT.
 35. **Calipari ES** (2017, January) D1 and D2 medium spiny neurons in the nucleus accumbens encode positive and negative valence. *Winter Conference on Brain Research*. Big Sky, MT.
 36. **Calipari ES** (2016, November) Defining the role of D1 and D2 medium spiny neurons in relapse to cocaine seeking. *NIDA-NIAAA Early Career Investigator Showcase*. San Diego, CA.
 37. **Calipari ES** (2016, April) Chronic cocaine exposure alters D1 medium spiny neuron activity to promote relapse. *American Society for Pharmacology and Experimental Therapeutics*. San Diego, CA.
 38. **Calipari ES** (2016, April) Dopaminergic dynamics underlying sex-specific cocaine reinforcement. *Behavioral Pharmacology Society Annual Meeting*. San Diego, CA.
 39. **Calipari ES** (2016, January) In vivo regulation of D1 and D2 medium spiny neuron activity in the nucleus accumbens: Role in Cocaine-Mediated Reward. *Winter Conference on Brain Research*. Breckenridge, CO.
 40. **Calipari ES** (2015, August) Chronic cocaine exposure alters decision-making through a D1 medium spiny neuron mechanism to promote relapse. *Gordon Research Conference on Catecholamines*. Newry ME.
 41. **Calipari ES** (2015, August) Cocaine-induced enhancement of D1, and suppression of D2, medium spiny neuron

activity in the nucleus accumbens is associated with cocaine seeking. *Gordon Research Seminar on Catecholamines*. Newry ME.

42. **Calipari ES** (2015, March) Drug history alters methamphetamine effects at the dopamine transporter. Invited Talk. *American Society for Pharmacology and Experimental Therapeutics*. Boston, MA.
43. **Calipari ES** (2013, September) Temporal pattern of cocaine intake determines tolerance versus sensitization of cocaine's effects at the dopamine transporter. Invited Talk. *Emory-Wake Forest University Lab Exchange*. Atlanta, GA.
44. **Calipari ES** (2012, September) Overexpression of the dopamine transporter enhances responses to methylphenidate and amphetamine, but not cocaine. Invited Talk. *XICS Catecholamine Symposium*. Pacific Grove, CA.
45. **Calipari ES** (2012, September) Pattern of self-administration determines dopamine transporter sensitivity to cocaine. Invited Talk. *Emory-Wake Forest University Lab Exchange*. Winston-Salem, NC.
46. **Calipari ES** (2011, August) Enhanced potency of amphetamines following I.V. methylphenidate self-administration. Oral Presentation. *Gordon Research Conference on Catecholamines*. Lewiston, ME.

International

47. **Calipari ES** (2023, November) D1 and D2 Medium Spiny Neurons in the Nucleus Accumbens Core have Distinct and Valence-Independent Roles in Learning. *Society for Neuroscience, Bruker Satellite Event*. Washington DC.
48. **Calipari ES** (2023, August) A novel nicotinic receptor-based mechanism for sex-specific dopamine regulation by 17 β -estradiol. *Brain in Flux*. Gaia, Portugal.
49. **Calipari ES** (2023, July) Accumbal D1 and D2 medium spiny neurons have distinct and valence-independent roles in learning. *Gordon Research Conference: Cannabinoids from neural networks to novel treatments*. Castelldefels/Barcelona, Spain.
50. **Calipari ES** (2023, June) Novelty influences dopamine responses to conditioned and unconditioned stimuli over extended temporal windows. *International Behavioral Neuroscience Society*. Niagra Falls, Ontario, Canada.
51. **Calipari ES** (2022, November) Dopamine signaling in the nucleus accumbens core mediates latent inhibition. *Society for Neuroscience*. San Diego, California, USA.
52. **Calipari ES** (2022, May) Activity-dependent epigenetic alterations induced by cocaine self-administration in males and females. *International Society for Neurochemistry*. Honolulu, Hawaii, USA.
53. **Calipari ES** (2022, May) Activity-dependent epigenetic alterations induced by cocaine self-administration in males and females. *Dopamine 2022*. Montreal, Québec, Canada.
54. **Calipari ES** (2022, May) Dopamine release in the nucleus accumbens causally controls latent inhibition. *Dopamine 2022*. Montreal, Québec, Canada.
55. **Calipari ES** (2022, March) A novel framework for the role of accumbal dopamine in learning and memory. *Cosyne*. Lisbon, Portugal.
56. **Calipari ES** (2021, July) Cocaine self-administration induces sex-dependent protein expression in the nucleus accumbens. *European Behavioral Pharmacology Society*. *Online due to COVID-19
57. **Calipari ES** (2019, August) Activity-dependent changes in the dopamine transporter underlie addiction vulnerability in females. *ISN Satellite Brain in Flux Meeting*. Montreal, Québec, Canada.
58. **Calipari ES** (2019, June) A balancing act: females prioritize avoiding aversive stimuli when making value-based decisions. Keynote for the *Canadian College of Neuropsychopharmacology (CCNP)*. Montreal, Québec, Canada.
59. **Calipari ES** (2019, May) The neural basis of sex differences in value-based decision making. *Canadian Neuroscience Meeting (CAN)*. Montreal, Québec, Canada.
60. **Calipari ES** (2018, January) Cocaine self-administration alters the transcriptional activating effects of cocaine to promote addictive behaviors. *Winter Conference on Brain Research*. Whistler, British Columbia.
61. **Calipari ES** (2017, June) Temporal pattern of cocaine intake determines tolerance versus sensitization of dopaminergic function. *College on Problems of Drug Dependence*. Montreal, Canada.
62. **Calipari ES** (2016, May) Using *in vivo* calcium imaging to elucidate the role of D1 and D2 MSNs in cocaine reward. *Monitoring Molecules in Neuroscience: In Vivo Methods*. Gothenburg, Sweden.

EXTERNAL INSTITUTIONS

Domestic

63. **Calipari ES** (2024, April) Accumbal D1 and D2 medium spiny neurons have distinct but interdependent (valence-free) roles in associative learning. *Pennsylvania State University*. State Park, PA.
64. **Calipari ES** (2024, February) Accumbal D1 and D2 medium spiny neurons have distinct but interdependent (valence-free) roles in associative learning. *Oregon Health and Science University, The Vollum Institute*. Portland, OR.
65. **Calipari ES** (2024, February) Accumbal D1 and D2 medium spiny neurons have distinct but interdependent (valence-free) roles in associative learning. *Duke University*. Durham, NC.

66. **Calipari ES** (2024, February) Accumbal D1 and D2 medium spiny neurons have distinct but interdependent (valence-free) roles in associative learning. *University of Miami*. Miami, FL.
67. **Calipari ES** (2024, February) Accumbal D1 and D2 medium spiny neurons have distinct but interdependent (valence-free) roles in associative learning. *Northwestern University*. Chicago, IL.
68. **Calipari ES** (2023, November) A novel nicotinic receptor-based mechanism for sex-specific dopamine regulation by 17 β -estradiol. *National Institute of Environmental and Health Sciences*. Durham, North Carolina.
69. **Calipari ES** (2023, October) A novel nicotinic receptor-based mechanism for sex-specific dopamine regulation by 17 β -estradiol. *University of Texas, Dallas*. Dallas, TX.
70. **Calipari ES** (2023, October) A novel nicotinic receptor-based mechanism for sex-specific dopamine regulation by 17 β -estradiol. *Michigan State University*. East Lansing, MI.
71. **Calipari ES** (2023, October) A novel nicotinic receptor-based mechanism for sex-specific dopamine regulation by 17 β -estradiol. *University of Kentucky*. Lexington, KY.
72. **Calipari ES** (2023, May) A new framework for the role of subsecond accumbal dopamine release in learning and memory. *University of California, Davis*. Davis, CA.
73. **Calipari ES** (2023, April) A new computational framework for the role of dopamine in learned behavior. *Indiana University*. Indianapolis, IN.
74. **Calipari ES** (2023, March) Defining the cell-type specific activity signatures that underlie reinforcement learning. *University of Texas Health Science Center*. San Antonio, TX.
75. **Calipari ES** (2022, October) A novel nicotinic receptor-based mechanism for sex-specific dopamine regulation by 17 β -estradiol. *Oregon National Primate Research Center*. Beaverton, OR.
76. **Calipari ES** (2022, October) A new computational framework for the role of dopamine in learned behavior. *Oregon Health and Science University (OHSU)*. Portland, OR.
77. **Calipari ES** (2022, October) Neuronal subpopulations in the nucleus accumbens represent distinct valence-free parameters to drive behavior. *Boston University*, Boston, MA.
78. **Calipari ES** (2022, September) A novel nicotinic receptor-based mechanism for sex-specific dopamine regulation by 17 β -estradiol. *George Mason University*. Fairfax City, VA.
79. **Calipari ES** (2022, September) A novel computational framework for the role of dopamine in learning and memory. *University of Pennsylvania*. Philadelphia, PA.
80. **Calipari ES** (2022, September) A novel computational framework for the role of dopamine in learning and memory. *Brown University*. Providence, RI.
81. **Calipari ES** (2022, June) A novel framework for the role of dopamine in learning and memory (and psychiatric disease). *Max Planck Florida Neuroscience Institute (MPFI)*. Jupiter, FL.
82. **Calipari ES** (2022, April) A novel mechanism for hormonal regulation of reward circuits in the brain contributes to addiction vulnerability in females. *University of Kentucky*. Lexington, KY. ***Keynote speaker in the Department of Chemistry hosted Naff Symposium.**
83. **Calipari ES** (2022, March) Activity-dependent epigenetic alterations induced by cocaine self-administration in males and females. *University of Minnesota*. Minneapolis, MN.
84. **Calipari ES** (2022, February) Dopamine release in the nucleus accumbens causally mediates the effect of novelty on associative learning. *National Institute on Drug Abuse*. *Online because of COVID-19
85. **Calipari ES** (2021, September) Defining the molecular mechanisms of sex differences in addiction vulnerability. *Pennsylvania State University*. *Online because of COVID-19
86. **Calipari ES** (2021, May). Dopamine in the nucleus accumbens core signals perceived saliency. *University of Washington*. Seattle, WA. *Online because of COVID-19
87. **Calipari ES** (2021, May) Dopamine in the nucleus accumbens core signals perceived saliency. *Medical University of South Carolina*. Charleston, SC. *Online because of COVID-19
88. **Calipari ES** (2021, April). Dopamine release in the nucleus accumbens core signals perceived saliency. *University of New Mexico*. Albuquerque, NM. *Online because of COVID-19
89. **Calipari ES** (2021, April). Dopamine release in the nucleus accumbens core signals perceived saliency. *Louisiana State University Health Sciences Center*. New Orleans, LA. *Online because of COVID-19
90. **Calipari ES** (2020, March) A novel framework for dopamine in learning and memory. *Yale*. Psychiatry Grand Rounds. New Haven, CT. *Online because of COVID19
91. **Calipari ES** (2021, February) A novel framework for nucleus accumbens core dopamine in learned behavior. *University of North Carolina, Chapel Hill*. *Moved online because of COVID-19
92. **Calipari ES** (2021, January). A novel computational framework for dopamine in learned behavior. *Boston University Neurophotonics Seminar*. *Moved online because of COVID-19
93. **Calipari ES** (2020, October). The neural basis of sex differences in value-based decision making. *University of Illinois at Chicago*. Chicago, IL. ***Chris Comer Seminar in Neuroscience**
94. **Calipari ES** (2020, January) Unique molecular profiles induced by cocaine self-administration in males and females. *University of Massachusetts Medical School*. Boston, MA.

95. **Calipari ES** (2019, October) Sex differences in behavioral strategies: the role of the neural encoding of stimulus value. *Virginia Commonwealth University*. Richmond, VA.
96. **Calipari ES** (2019, October) A novel framework for dopamine in learned behavior. *University of California Los Angeles (UCLA)*. Los Angeles, CA.
97. **Calipari ES** (2019, September) Cell type-specific activity signatures controlling value-based decision making. *Brigham Young University*. Provo, UT.
98. **Calipari ES** (2019, May) Cell type-specific activity signatures underlying sex differences in value-based decision making. *Washington University in St. Louis*. St. Louis, MO.
99. **Calipari ES** (2019, April) The neural basis of sex differences in addiction vulnerability. *Belmont University*. Nashville, TN.
100. **Calipari ES** (2019, February) Outlining the circuit-based mechanisms controlling sex differences in behavioral strategies. *University of Kentucky Department of Biology*. Lexington, KY.
101. **Calipari ES** (2019, February) Defining the molecular and circuit-based mechanisms of drug addiction. *The University of Mississippi*. Oxford, MS.
102. **Calipari ES** (2018, November) Molecular and circuit-based mechanisms of addiction vulnerability in females. *Marquette University*. Milwaukee, WI.
103. **Calipari ES** (2018, September) Transcriptional mechanisms of cocaine addiction. *University of Alabama, Birmingham*. Birmingham, AL.
104. **Calipari ES** (2018, July) The biological basis of sex differences in addiction vulnerability. *Marine Biological Laboratory*. Woods Hole, MA.
105. **Calipari ES** (2018, May) Cocaine seeking is controlled by dendritic reorganization via induction of microtubule proteins in medium spiny neurons. *University of Buffalo*. Buffalo, NY.
106. **Calipari ES** (2018, March) Peripheral immune factors influence motivation via pathway-specific modulation of neural circuit activity. *The University of Minnesota*. Minneapolis, MN.
107. **Calipari ES** (2018, March) Understanding the neurobiological basis of sex differences in addiction vulnerability. *Sewanee: The University of the South*. Sewanee, TN.
108. **Calipari ES** (2017, April) Dissecting the molecular and circuit-based mechanisms of drug addiction. *Wake Forest University*. Winston-Salem, NC.
109. **Calipari ES** (2017, March) Dopaminergic dynamics of sex-specific cocaine reward. *The University of North Carolina, Chapel Hill*. Chapel Hill, NC.
110. **Calipari ES** (2017, February) Divergent encoding of positive and negative valence and its dysregulation in drug addiction. *University of Maryland*. College Park, MD.
111. **Calipari ES** (2017, February) Divergent encoding of positive and negative valence and its dysregulation in drug addiction. *Johns Hopkins University*. Baltimore, MD.
112. **Calipari ES** (2017, February) Dissecting the molecular and circuit-based mechanisms of drug addiction. *Harvard University*. Boston, MA.
113. **Calipari ES** (2016, December) Dopaminergic dynamics underlying sex-specific cocaine reward. *Weill Cornell*. New York, NY.
114. **Calipari ES** (2016, November) Dissecting the molecular and circuit-based mechanisms of drug addiction. *University of Michigan, Dept. of Pharmacology*. Ann Arbor, MI.
115. **Calipari ES** (2016, October) Dissecting the molecular and circuit-based mechanisms of drug addiction. *Rutgers University*. New Brunswick, NJ.
116. **Calipari ES** (2016, October) Divergent encoding of positive and negative valence and its dysregulation in drug addiction. *University of Michigan, Dept. of Psychology*. Ann Arbor, MI.
117. **Calipari ES** (2016, August) Dissecting the molecular and circuit-based mechanisms of drug addiction. *Drexel University School of Medicine*. Philadelphia, PA.
118. **Calipari ES** (2016, July) Dissecting the molecular and circuit-based mechanisms of drug addiction. *Boston University*. Boston, MA.
119. **Calipari ES** (2016, March) Using in vivo calcium imaging to elucidate the dopaminergic dynamics underlying sex-specific cocaine reward. *National Institute on Drug Abuse*. Bethesda, MD.
120. **Calipari ES** (2015, November) The role of temporally specific D1 medium spiny neuron signaling in relapse to cocaine seeking. *National Institute on Drug Abuse*. Bethesda, MD.
121. **Calipari ES** (2015, November) Chronic cocaine exposure alters reward processing through D1 medium spiny neuron dysregulation. *Medical University of South Carolina*. Charleston, SC.

International

122. **Calipari ES** (2023, September) The role of dopamine in salience processing. *9th International Symposium on Resilience Research at Mainz University*. Mainz, Germany.

123. **Calipari ES** (2021, March) A novel framework for accumbal dopamine in learned behavior. *University of British Columbia*. *Moved online due to COVID-19.
124. **Calipari ES** (2019, August) A Novel Framework for Diametric Value Encoding in the Nucleus Accumbens. *McGill University*. Montreal, Québec, Canada.
125. **Calipari ES** (2019, March) The neural basis of sex differences in behavioral strategies. *Université Laval*. Quebec City, Quebec.

INTERNATIONALLY BROADCASTED WEBINARS

126. **Calipari ES** (2023, January) Sex differences in mental health disorders. *Brain and Behavior Research Foundation* [Link](#)
127. **Calipari ES** (2022, October) Neuronal subpopulations in the nucleus accumbens represent distinct valence-free parameters to drive behavior. *Worldwide Neuroscience Seminars* [Link](#)
128. **Calipari ES** (2021, May) Dopamine in the nucleus accumbens core signals perceived saliency. *World-wide seminars on the neurobiology of addiction*. Online.
129. **Calipari ES, Kutlu MG** (2020, August) Valence-free information processing by dopamine release in the nucleus accumbens core. *TDT Talks*. Online – Hosted by Tucker Davis Technologies

LOCAL TALKS

130. **Calipari ES** (2022, September) Accumbal D1 and D2 medium spiny neurons have distinct but interdependent (valence-free) roles in associative learning. *Psychology Department Seminar Series*. Vanderbilt University.
131. **Calipari ES** (2022, September) Sex differences in the stimulant effects on the dopamine system. *Psychiatry Department*. Vanderbilt University Medical Center.
132. **Calipari ES** (2022, March) Dopamine responses to neutral stimuli in the nucleus accumbens core change over experience to determine future associative learning. *Psychology Department Seminar Series*. Vanderbilt University.
133. **Calipari ES** (2022, February) Understanding the neurobiological basis of sex differences. *Critical Perspectives on Sex, Gender, and Medical Research*. Vanderbilt University, Nashville TN. *Online because of COVID-19
134. **Calipari ES** (2020, March) A novel framework for dopamine in learning and memory. *Psychology Department*. Vanderbilt University. Nashville, TN. *Online because of COVID-19
135. **Calipari ES** (2020, November) The neural basis of substance use disorder. *The DORE-Initiative*. Vanderbilt University, Nashville TN. *Online due to COVID-19
136. **Calipari ES** (2020, September) The neural basis of substance use disorder. *Simple Beginnings White Coat Ceremony*. Vanderbilt University, Nashville TN. *Online due to COVID-19
137. **Calipari ES** (2019, August) Defining the neural signatures of substance use disorder. *Simple Beginnings White Coat Ceremony*. Vanderbilt University, Nashville TN.
138. **Calipari ES** (2019, July) The neural basis of substance use disorder. *Vanderbilt Center for Science Outreach Summer Research Symposium*. Vanderbilt University, Nashville, TN.
139. **Calipari ES** (2018, November) Neural circuits underlying sex differences in addiction vulnerability. *Psychiatry Grand Rounds*, Vanderbilt University, Nashville, TN.
140. **Calipari ES** (2018, September) Molecular and circuit-based mechanisms of sex differences in addiction vulnerability. *Molecular Physiology and Biophysics Department*, Vanderbilt University, Nashville, TN.
141. **Calipari ES** (2018, June) Defining the biological basis of drug addiction. *Vanderbilt University*. Nashville, TN.
142. **Calipari ES** (2018, February) The influence of ovarian hormones on reward systems enhances valence encoding in females. *Vanderbilt University, Department of Psychology Seminar Series*. Nashville, TN.
143. **Calipari ES** (2017, October) Defining the role of D1 and D2 medium spiny neurons in drug relapse. *Vanderbilt Center for Addiction Research Science Day*. Nashville, TN.
144. **Calipari ES** (2017, March) Dopaminergic dynamics of sex-specific cocaine reward. *Vanderbilt University*. Nashville, TN

LECTURES/CAREER DEVELOPMENT PANELS

145. **Calipari ES**, moderator. Brittany Chase, Traci Ray, Tiffany Tung, panelists (2024, February) Thriving as a Leader in Uncertain Times. *Vanderbilt University*. Live Learn Lead Symposium. Nashville, TN.
146. **Calipari ES** (2023, November) Careers in academic science: making the successful transition to an independent career. *Wake Forest University School of Medicine*. Winston-Salem, NC.
147. **Calipari ES**, Hupalo S, Lund TD, Fallon B (2023, June) Optimizing for an enjoyable career: universal strategies for

- professional success. *International Behavioral Neuroscience Society*. Niagra Falls, Ontario, Canada.
148. **Calipari ES**, Byndloss M, Bedenbaugh M, Chang (2023, April). Women in STEM Celebration, Panel Discussion, and Q and A. Women in Stem Symposium hosted by *Vanderbilt Women in Science and Engineering (VU-WiSE)*
 149. **Calipari ES**, Winder DG, Jeremy Neal (2022, September) Biomedicine and Nursing Grant Panel. *Vanderbilt University Graduate School*. Vanderbilt University, Nashville, TN.
 150. **Calipari ES** (2021, October) Navigating Dual Academic Careers. *Edge for Scholars*. Vanderbilt University, Nashville, TN. *Online due to COVID-19
 151. **Calipari ES** (2020, November) Careers in academic science: making the successful transition to an independent career. *Wake Forest University School of Medicine*. Winston-Salem, NC. *Online due to COVID-19
 152. **Calipari ES** (2019, December). Striving for Success as Faculty in Academia. *American College of Neuropsychopharmacology*. Orlando, FL.
 153. **Calipari ES** (2019, December) Defining the Neural Substrates of Substance Use Disorder. Oral presentation to the Biomedical Science Advisory Board. *Vanderbilt University School of Medicine*. Nashville, TN.
 154. **Calipari ES** (2019, November). The Neurobiology of Substance Use Disorder. *Craft Academy for Excellence in Science and Mathematics*. Vanderbilt Center for Addiction Research Outreach Event. Nashville, TN.
 155. **Calipari ES** (2019, February). The Neurobiology of Addiction. *Oxford Science Café*. Oxford, MS.
 156. **Calipari ES**, Vivian Gama, Yi Ren (2018, July). Panel. Setting up and Running a New Lab. *ASPIRE Café for Postdocs, Vanderbilt University*. Nashville, TN.
 157. **Calipari ES**, Moron J, Gereau R, Jones C, Winder DG (2018, June). Panel. Alternative therapies and addiction research. *Vanderbilt Opioid Forum*.
 158. **Calipari ES**, Tate A, Ren Y, Ravichandran P (2018, April). Panel. Junior Faculty Path to Success. *Vanderbilt Postdoc Association Research Day*.
 159. **Calipari ES** (2018, April) The Neural Basis of Addiction. Oral presentation to the Vanderbilt Board of Trust. *Vanderbilt University School of Medicine*. Nashville, TN.
 160. **Calipari ES** (2017, November) Careers development lecture: NIH training grants. *Icahn School of Medicine at Mount Sinai*. New York, NY.
 161. **Calipari ES** (2017, October) Careers in academic science: making the successful transition to an independent career. *Wake Forest University School of Medicine*. Winston-Salem, NC.

RECOGNITION AND MEDIA ATTENTION (selected)

Print Media

1. "Expert Reaction to Ritalin and Addiction." *Science Media Centre*, November 5, 2013, Fiona Fox.
2. "Ritalin drives the need for speed." *Nature Asia*, November 6, 2013.
3. "Surge in ADHD diagnoses gets a red flag." *Medical Express*, November 6, 2013, Richard Ingham.
4. "Is ADHD Overdiagnosed? Disorder's Broad Definition Could Subject Kids To 'Unnecessary' Treatment." *Medical Daily*, November 6, 2013, Lecia Bushak.
5. "Women are more susceptible to cocaine addiction: study". *New York Post*, January 12, 2017, Sophia Rosenbaum
6. "Researchers reveal connection between female estrogen cycle and addictive potential of cocaine." *Newswise*, January 10, 2017, Elizabeth Dowling.
7. "Researchers reveal connection between female estrogen cycle and cocaine addiction." *EurekaAlert!* January 10, 2017.
8. "Neuroscience: Explaining sex-specific differences in cocaine reward." *Nature Asia*, January 11, 2017.
9. "Study offers insight into women's response to cocaine." *AddictionPro.com*, January 12, 2017. Gary A. Enos.
10. "Could the pill cure addiction?" *The Sun*, January 11, 2017. Lizzie Parry.
11. "Why are women more likely to get hooked on cocaine?" *Addiction Now*, January 13, 2017. Livia Areas-Holmblad.
12. "Cocaine's effects are most potent when estrogen levels are high" *The Brain and Behavior Research Foundation*. February 3, 2017.
13. "Cocaine addiction: Scientists cure mice of dependency on the drug" *Yahoo News*, January 16, 2018. Alex Matthews-King
14. "Mount Sinai researchers identify protein involved in cocaine addiction" *Eureka Alert!* January 16, 2018.
15. "Cocaine de-addiction breakthrough shows promise" *The Medical News*. January 16, 2018. Ananya Mandal, MD, [Link](#)
16. "Research Showing How Cocaine Addiction Reprograms the Brain Points to New Therapy Targets" *The Brain and Behavior Research Foundation*. June 5, 2018. [Link](#)
17. "Researchers are trying to use the body's immune system to fight addiction" *The Richest*. Sept 20, 2018. Krissie Mick. [Link](#)
18. "Using the immune system to combat addiction" *Medical News Today*. Sept 14, 2018. Tim Newman. [Link](#)
19. "Immune system may join battle against opioid addiction" *News Medical*. Sept 6, 2018. James Ives. [Link](#)

20. "Immune system may help fight opioid addiction" *Futurity*. Sept 6, 2018. Heidi Hall. [Link](#)
21. "Hormones May Be Linked to Substance Use Disorder & Relapse in Women & It's An Important Finding" *Bustle*, Feb 11th, 2019. Mika Doyle. [Link](#)
22. "Women more prone to drug addiction" *Free Press Journal*. Feb 12th, 2019. [Link](#)
23. "A Device That Heats Tobacco, But Doesn't Burn It, Can Now Be Sold in the U.S. Here's What to Know About IQOS" *Time*. May 1, 2019. [Link](#)
24. "NeuroChat with Professor Erin Calipari" *ACS Chemical Neuroscience*. June 19th, 2020. [Link](#)
25. "Experts note increase in overdoses during pandemic" *The Parkersburg News and Sentinel*. June 17, 2020. [Link](#)
26. "Clinton Foundation works to put naloxone in recovery homes as opioid epidemic is overshadowed by COVID pandemic" *USA Today*. August 31, 2020. [Link](#)
27. "This Combination of Medicines May Help Heavy-Drinking Smokers Quit" *Verywell health*. July 1, 2021. [Link](#)
28. "National Women Touched by Addiction Day" *Nashville Lifestyles*. July 22, 2021. [Link](#)
29. "True behavior of the 'pleasure molecule' will reshape how we treat psychiatric diseases and addiction" *Science Daily*. September 16, 2021. [Link](#)
30. "The true behavior of the "pleasure molecule" reforms the treatment of mental illness and addiction" *Florida News Times*. September 16, 2021. [Link](#)
31. "Mental Disorder, Behavior: How Are They Affected by Increased Dopamine Release in the Brain?" *The Science Times*. September 16, 2021. [Link](#)
32. "Dopamine is NOT just the 'feel-good' hormone, reshaping treatment of psychiatric diseases" *Study Finds* September 17, 2021. [Link](#)
33. "AI and Optogenetics Disrupt the Neuroscience of Dopamine" *Psychology Today*. September 20, 2021. [Link](#)
34. "Updating our Ideas About Dopamine" *Brain Post*. September 26, 2021. [Link](#)
35. "Can you be 'addicted' to Facebook, Instagram? Experts share how to tell if your social media use is problematic" *Yahoo News*. October 5, 2021. [Link](#)
36. "Dopamine Levels Surprisingly Surge in Response to Stressful Stimuli" *Gilmore Health News*. October 6, 2021. [Link](#)
37. "UK Chemistry's Naff Symposium to Feature 4 Leading Scientists" *UKnow*. May 11, 2022. [Link](#)
38. "The FDA Plans to Lower Nicotine Levels in Cigarettes: Why That Matters" *Prevention Magazine*. June 22, 2022. Korin Miller. [Link](#)
39. "The \$200 billion playbook that kneecapped Big Tobacco is coming for Mark Zuckerberg and his social media offspring" *Fortune*. October 26, 2023, Alexandra Sternlicht. [Link](#)
40. "What did a lifetime of drug and alcohol abuse do to Shane MacGowan's body?" *Daily Mail*. December 1, 2023, Cassidy Morrison [Link](#)
41. "Vanderbilt Center for Addiction Research joins Discovery Vanderbilt; Calipari appointed director" *VU Research News*. December 14, 2023. [Link](#)

Profiles in Print Media

42. "Erin Calipari uses platform to bring awareness to opioid crisis" *247 Sports*. February 8th, 2019. [Link](#)
43. "Meet the Calipari who holds court at Vanderbilt lab" *The Tennessean*. March 15th, 2019. [Link](#)
44. "Meet the Calipari who holds court at Vanderbilt lab" *AP news*. March 30th. [Link](#)
45. "Erin Calipari making a name for herself in addiction research" *Kentucky Today*. April 9th. [Link](#)
46. "She Studies How Addiction Hijacks Learning in the Brain" *Quanta Magazine*. December 7, 2023, Yasmin Saplakoglu [Link](#)

Podcasts, Webinars, Radio, and Television

47. "Vanderbilt works to fight opioid addiction" *News Channel 5 Network, Nashville, TN*. Sept 21, 2018. Kristen Skovira. [Link](#)
48. "Coach Cal's oldest daughter focuses on beating opioid crisis" *WLKY Kentucky*, Louisville, KY. Feb 7, 2019. Carolyn Callahan. [Link](#)
49. "Q and A with Erin Calipari" University of Kentucky. March 7th, 2019. [Link](#)
50. "Dr. Erin Calipari has game plan to try and beat the growing drug problem in Kentucky" *WKYT Kentucky*. April 22, 2019. [Link](#)
51. "Erin Calipari wants to find a solution to drug addiction" *WYMT*. April 22, 2019. [Link](#)
52. "Cues play a critical role in estrous cycle-dependent enhancement of cocaine reinforcement" *Neuropsychopharmacology podcast*. May 20th, 2019. [Link](#)
53. "Vanderbilt professor, Erin Calipari, on setting a personalized career strategy" *Once a Scientist*. August 4, 2020. [Link](#).
54. "Stress over COVID-19 pandemic creating new problems for people with substance use disorders" *News Channel 5, Nashville*. August 24, 2020. [Link](#).

55. This Week in Neuroscience (TWiN) Podcast. Regular Contributor. *Microbe TV*. October 2019-Present. [Link](#)
56. "Pandemic mixed with the holidays is a cocktail for relapse, creating new addicts" *kgun9 Tucson*. December 4, 2020. [Link](#)
57. "Dr. Erin Calipari on Breaking the Cycle of Addiction" *Wild Health Podcast*. January 1, 2021. [Link](#)
58. "'GQ' magazine editor discusses COVID-19's impact on addiction and art at Vanderbilt Center for Addiction Research event". *Vanderbilt News and Communications*. April 28, 2021. [Link](#)
59. "The Intersection of Incarceration and Addiction: A Conversation for Women Touched by Addiction Day" *Vanderbilt University*. July 23, 2021. [Link](#)
60. "Orange is the New Black' author joins Center for Addiction Research to discuss National Women Touched by Addiction Day" *Vanderbilt University Research News*. July 24, 2021. [Link](#)
61. "Dopamine and Addiction" - Top of Mind with Julie Rose. *BYU Radio, Sirius XM*. September 28, 2021. [Link](#)
62. "Jason Isbell: Songs and Sobriety - a conversation with the Vanderbilt Center for Addiction Research". *Vanderbilt University Research News*. October 12, 2021. [Link](#), [YouTube Link to Full Interview](#)
63. "Vanderbilt addiction researcher talks CDC prescription opioid guidelines" *WRKN*. February 22, 2022. [Link](#)
64. "Mending Hearts 'Rise' 18th Annual Breakfast". Speaker. *Mending Hearts*. March 25, 2022. [Link](#)
65. "Drug addiction and how it affects the brain" *Morning Line, News Channel 5. Nashville, TN*. April 26, 2022. [Link](#)
66. "Sex differences in Mental Health Disorders" *Brain and Behavior Research Foundation*. January 10, 2023. [Link](#)
67. "Social Media and Addiction". *Vanderbilt University Research News*. April 27, 2023. [Link](#) [YouTube Link to Full Interview](#)
68. "Addiction Research: Vanderbilt studying how drugs, alcohol impact brain functions" *WKRN*. September 20, 2023. [Link](#)
69. "Lab-to-Table Conversation: Beyond Addiction: Therapeutic Developments and Societal Impact on Jan 24" *Vanderbilt University Research News*. January 11, 2024. [Link](#).

Op-Eds and Editorials

70. "COVID-19 is making addiction worse. It could offer a blueprint for solving it." *The Tennessean*. September 25, 2020. Erin S. Calipari. [Link](#).

TEACHING

2014 – 2017:	Adjunct Professor, Biology 373 , Department of Psychology and Biology, Queens College CUNY, Flushing, NY.
	Organized advanced neuroscience curriculum and lectured 30 hours per year.
2016 – 2017:	Lecturer/Organizer, Advanced Neuroscience Methods , Department of Neuroscience, Icahn School of Medicine at Mount Sinai, New York, NY.
Fall 2018	Lecturer, Fundamentals of the Excitable Membrane for Biologists , Neuroscience Program, Vanderbilt University, Nashville, TN.
Fall 2018	Instructor, NSC-3861, NSC-3862 , Neuroscience Program, Vanderbilt University, Nashville, TN.
Spring 2019	Instructor, NSC-3861, NSC-3862, NSC-3863, NSC-3864 , Neuroscience Program, Vanderbilt University, Nashville, TN.
Spring 2019	Lecturer, History, Culture and Science of Brewing , UNIV 3330, Vanderbilt University, Nashville, TN.
Spring 2019	Lecturer, Human Behavioral Genetics , IGP Program Course, Vanderbilt University, Nashville, TN.
Spring 2019	Instructor, NURO-8326 – Neuroscience Grant Writing , Neuroscience Program, Vanderbilt University, TN.
Fall 2019	Lecturer, NURO 8340 - Fundamentals of Neuroscience , Neuroscience Program, Vanderbilt University, Nashville, TN.
Fall 2019	Instructor, NSC-3862, NSC-3863 , Neuroscience Program, Vanderbilt University, Nashville, TN.
Spring 2020	Lecturer, Fundamentals of the Excitable Membrane for Biologists , Neuroscience Program, Vanderbilt University, Nashville, TN
Spring 2020	Lecturer, Human Behavioral Genetics , IGP Program Course, Vanderbilt University, Nashville, TN
Spring 2020	Lecturer, IGP Module on Addiction , IGP Program Course, Vanderbilt University, Nashville, TN (2 lectures)
Spring 2020	Instructor, NSC-3680, NSC-3861, NSC-3862, NSC-3863 , Neuroscience Program, Vanderbilt University, Nashville, TN
Spring 2020	Instructor, NURO-8326 – Neuroscience Grant Writing , Neuroscience Program, Vanderbilt University, TN
Fall 2020	Instructor, NSC-3861, NSC-3682, NSC-4999 , Neuroscience Program, Vanderbilt University, Nashville, TN
Fall 2020	Lecturer, NURO 8340 - Fundamentals of Neuroscience , Vanderbilt University, Nashville, TN

Fall 2020
TN Course Director and Organizer, **VCAR Career Development Course**, Vanderbilt University, Nashville, TN

Developed and delivered course programming on several topics spanning navigating the academic job search.

Fall 2020 Guest Lecturer, **Drugs and the Brain (PCL200H1)**, University of Toronto, Toronto, ON

Spring 2021 Lecturer, **IGP Module on Addiction**, IGP Program Course, Vanderbilt University, Nashville, TN

Spring 2021 Instructor, **NSC-3682, NSC-4999**, Neuroscience Program, Vanderbilt University, Nashville, TN

Spring 2021 Lecturer, **NSC-3240 – Neurobiology of Addiction**, Neuroscience Program, Vanderbilt University, TN

Spring 2021 Instructor, **NURO-8326 – Neuroscience Grant Writing**, Neuroscience Program, Vanderbilt University, TN

Fall 2021 Lecturer, **NURO 8340 - Fundamentals of Neuroscience**, Vanderbilt University, Nashville, TN

Fall 2021 Lecturer, **CPB8306 – Introduction to Chemical and Physical Biology**, Vanderbilt University, Nashville, TN

Fall 2021 Instructor, **IGP-8001-07 – Bioregulation I**, Vanderbilt University, Nashville, TN

Spring 2022 Instructor, **IGP-8002-02 – Bioregulation II**, Vanderbilt University, Nashville, TN

Spring 2022 Course Director and Lecturer, **PHAR-GS-8338; NURO 8338 – Principles of Pharmacology in Neurobiological Research**, Vanderbilt University, Nashville, TN

Spring 2022 Instructor, **NURO-8326 – Neuroscience Grant Writing**, Neuroscience Program, Vanderbilt University, Nashville TN

Fall 2022 Lecturer, **CHEM 1111 - Freshman Writing Seminar in Neuropsychiatric Disorders**, Chemistry Department, Vanderbilt University, Nashville, TN

Fall 2022 Lecturer, **NURO 8340 - Fundamentals of Neuroscience**, Vanderbilt University, Nashville, TN

Fall 2022 Instructor, **NSC-4999, NSC-3863, NSC-3682, NSC-36860**, Neuroscience Program, Vanderbilt University, Nashville, TN

Spring 2023 Instructor, **NSC-4999**, Neuroscience Program, Vanderbilt University, Nashville, TN

Spring 2023 Course Director and Lecturer, **PHAR-GS-8338; NURO 8338 – Principles of Pharmacology in Neurobiological Research**, Vanderbilt University, Nashville, TN

Spring 2023 Lecturer, **HOD3650- Alcohol, drugs, and emerging adults**, Peabody College, Vanderbilt University, Nashville, TN.

Spring 2023 Instructor, **NURO-8326 – Neuroscience Grant Writing**, Neuroscience Program, Vanderbilt University, Nashville TN

Fall 2023 Lecturer, **NURO 8340 - Fundamentals of Neuroscience**, Vanderbilt University, Nashville, TN

Instructor, **NSC-3861, NSC-3862**, Neuroscience Program, Vanderbilt University, Nashville, TN

Spring 2024 Instructor, **NURO-8326 – Neuroscience Grant Writing**, Neuroscience Program, Vanderbilt University, TN

Spring 2024 Course Director and Lecturer, **PHAR-GS-8338; NURO 8338 – Principles of Pharmacology in Neurobiological Research**, Vanderbilt University, Nashville, TN

TRAINEE ACCOMPLISHMENTS

Trainee	Position in lab	Current Position	Grants/Funding During Training	Selected Awards/Honors
POSTDOCTORAL FELLOWS				
<i>Alberto Lopez, PhD</i>	Postdoctoral Fellow 2018-2022	Scientist II, Capsida Biotherapeutics, Inc.	1. NIDA K00 DSPAN Fellowship (DA048436) 2. Burroughs Wellcome Fund Postdoctoral Enrichment Program Fellow, 2021	1. ACNP Travel Award 2. Winter Conference on Brain Research Young Investigator Award 3. Best Talk – VCAR Science Day 2019
<i>Suzanne Nolan, PhD</i>	Postdoctoral Fellow 2019-2022	Postdoctoral Fellow, Siciliano Lab	1. NIMH T32 (MH065215) 2. NIDA F32 (DA051136)	1. Invited Talk – IBNS 2020 2. IBNS Travel Award 2021 3. Winter Conference on Brain Research Young Investigator Award 2022
<i>Amy Johnson, PhD</i>	Postdoctoral Fellow 2018-2022	Scientist I, Voyager Therapeutics	1. NIMH T32 (MH065215) 2. NIDA F32 (DA047777)	1. Behavioral Pharmacology Society Postdoctoral Award 2. Vanderbilt Brain Institute Best Poster Award 3. Daniel T. O'Connor Young Investigator Award 4. Winter Conference on Brain Research Young Investigator Award 5. CPDD Travel Award 2022
<i>Lillian Brady, PhD</i>	Postdoctoral Fellow 2018-2023	Assistant Professor, Department of Psychiatry, University of Alabama, Birmingham	1. Academic Pathways Postdoctoral Fellowship 2. MOSAIC K99 (DA052641)	1. ASPET Postdoctoral Award 2. Neuropharmacology Poster Award 3. Dolores Shockley Award 4. Burroughs Wellcome Fund Postdoctoral Award Finalist 5. Winter Conference on Brain Research Young Investigator Award 6. Daniel T. O'Connor Young Investigator Award 7. Intersections Science Fellow
<i>Gunes Kutlu, PhD</i>	Research Instructor 2017-2023	Assistant Professor, Department of Cell Biology, Rowan-Virtua School of Medicine	1. VUMC Research Scholar Award 2. NARSAD Young Investigator Award 3. BIRCH Fellowship (K12) 4. NIDA R21	1. FENS Young Investigator Award 2. JNS Young Investigator Travel Award 3. Talk selected for Gordon Conference on Catecholamines 4. Winter Conference on Brain Research Young Investigator Award 5. Pfeil Foundation Fellow
Maxime Chevee, PhD	Postdoctoral Fellow 2020-Present	Current lab member	1. NIMH T32 (MH065215)	
Michael Leonard, PhD	Postdoctoral Fellow 2022-Present	Current lab member	1. NIMH T32 (MH065215) 2. 1F32DA060662	1. Med Associates Travel Award, 2024
Hannah Elam, PhD	Postdoctoral Fellow 2023-Present	Current lab member		1. Outstanding Scholars in Neuroscience Award Program (OSNAP) Awardee 2023

Devan Gomez, PhD	Postdoctoral Fellow 2023-Present	Current lab member	1. NIDA K00 DSPAN Fellowship (DA059288)	
Eleanor Holmgren, PhD	Postdoctoral Fellow 2023-Present	Current lab member	1. NIDA F32 (DA060663)	
GRADUATE STUDENTS				
Kimberly Thibeault	Graduate Student 2018-2024	Current lab member	1. NIMH T32 (MH064913) 2. NIDA F31 (DA050410)	1. ASPET Graduate Student Travel Award 2. Daniel T. O'Connor Young Investigator Award 3. Best Talk – VCAR Science Day 2019 4. Deans Award for Exceptional Achievement, <i>Vanderbilt University</i> 5. ASPET Student Poster Award Winner, 2022 6. Akira E. Takemorei Commemorative Travel Award
Jennifer Zachry, PhD	Graduate Student 2019-2023	Co-Founder & Director of Business Development, Orion Therapeutics	1. NIGMS T32 (GM07628) 2. NIDA F31 (DA051153)	1. Best Talk – Pharmacology Department Retreat 2. Outstanding Poster Award – Winter Conference on Brain Research 3. Deans Award for Exceptional Achievement, <i>Vanderbilt University - 2021</i> 4. Trainee Professional Development Award, Society for Neuroscience 5. BRET Travel Award, 2022 6. Vivien Casagrande Neuroscience Travel Award
Stephanie Cajigas	MSTP Student 2020-Present	Current lab member	1. MSTP T32(GM007347) 2. NIDA F30 (DA054764)	1. Diversity Award – National MD/PhD conference 2. Carl Storm Underrepresented Minority Fellowship – Addiction GRC 3. BRET Travel Award, 2022 4. Dean's Award for Exceptional Achievement, <i>Vanderbilt University 2022</i> 5. ACNP Travel Award, 2022 6. Best Poster – Vanderbilt Brain Institute Retreat, 2023 7. Winter Brain Panel Travel Award, 2023
Brooke Christensen	Graduate Student 2021-Present	Current lab member	1. NIMH T32 (MH064913) 2. NIDA F31 (DA056221), Priority Score 10, 1%	1. Vanderbilt University Dean's Award - 2020 2. ASPET Travel Award, 2023 3. Ethel M. Wilson Fellowship – \$10,000 4. Invited talk, College on Problems of Drug Use and Dependence (CPDD), 2023 5. 2023 ASPET Best Poster, 2 nd place, neuropharmacology division 6. 2023 Dean's Award for Exceptional Achievement, Vanderbilt University

				7. ASPET Travel Award, 2023 8. Selected for Catalyzing Advocacy in Science and Engineering Workshop through AAAS 9. NIH Directors Award 2024
Soren Emerson	Graduate Student 2022-Present	Current Lab Member	1. NIDA F31 (DA058450) Priority Score 11, 1% 2. Yale Keck Center Grant	
Kristine Yoon	Graduate Student 2023-Present	Current Lab Member	1. NIAAA F31 (AA030916)	1. Research Society on Alcoholism Student Merit Award, 2023 2. Best Poster, Pharmacology Retreat 2023, Vanderbilt University 3. ASPET Travel Award, 2024
Thomas Clarity	MSTP Student 2024-Present	Current Lab Member		

UNDERGRADUATE RESEARCHERS

Jennifer Tat	Undergraduate 2018-2020 Research Technician 2020-2023	Medical Student, The University of Tennessee	1. ASPET Summer Undergraduate Research Fellowship – 2019 2. VSURP Summer Fellowship 2020	1. Daniel T. O'Connor Young Investigator Award 2. ASPET Undergraduate Travel Award 3. Invited Talk – EB/ASPET 2021 4. Completed Honors Thesis – Highest Honors 5. Daniel T. O'Connor Young Investigator Award, 2022
Emma Follman	Undergraduate 2021-2022	Graduate Student, Stanford University		1. Outstanding Senior, <i>Vanderbilt University</i> 2. First-author manuscript
Nevin Crow	Undergraduate 2021-2023	Post-bac at the NIH, Holmes Lab		1. Second author manuscript
Jihoo (Courtney) Kim	Undergraduate 2021-2023	Technician, Axel Lab, Columbia University		1. First-author manuscript
Krishna Shah	Undergraduate 2021-Present	Undergraduate, Vanderbilt	1. VSURP Summer Fellowship 2021	
Anthony Gaidici	Undergraduate 2020-2022	Medical Student, University of Arizona	1. VSURP Summer Fellowship 2021	
Julian Delgado	Undergraduate 2021		1. Searle Summer Research Fellowship - 2021	
Grace Bailey	Undergraduate 2020-2023	Graduate Student, University of Melbourne	1. Undergraduate Research Program for Neuroscience at the Mayo Clinic	1. 2023 ASPET Best Poster, 2 nd place, neuropharmacology division

<i>Bryson Rorie</i>	Undergraduate 2020-2022	Post Bac, University of California, Berkley Graduate Student, Program in Neuroscience, Boston University	1. ASPET Summer Undergraduate Research Fellowship – 2021 2. VSURP Summer Fellowship -2021	
<i>Emily Chuang</i>	Undergraduate 2018-2020		1. Aspirnaut Summer Research Fellowship	
<i>Ashley Hendricks</i>	Undergraduate 2018-2020		1. ASPET Summer Undergraduate Research Fellowship – 2019 VSURP Summer Fellowship 2019	
<i>Christina Sanders</i>	Undergraduate 2017-2019		1. VSURP Summer Fellowship 2. ASPET Summer Undergraduate Research Fellowship - 2018	1. VCAR Poster Award, First Place 2. NIDA Postbaccalaureate Program 3. ASPET Undergraduate Travel Award
<i>Ryley Guay</i>	Undergraduate 2018-2019	Medical Student, Vanderbilt University	1. Summer Undergraduate Research Fellowship 2018 2. Summer Undergraduate Research Fellowship 2019	
<i>Sophie Halper</i>	Undergraduate 2018-2020		1. Summer Undergraduate Research Fellowship 2019	
<i>Dev Patel</i>	Undergraduate 2020-2023	Medical Student, Icahn School of Medicine at Mount Sinai		1. Author on a manuscript.
<i>Jaela Melton</i>	Undergraduate Summer 2023	Postbac National Institutes of Health	1. Summer Undergraduate Research Fellowship 2023	
<i>Abigail Carr</i>	Undergraduate 2022-Present	Current lab member	1. MARC/START Scholar, 2022 2. Fellow, NIH MARC at Vanderbilt Program 3. ASPET SURF Program, 2023	1. ABRCMS Travel Award, 2022 2. ASPET Travel Award, 2023 3. Invited talk, ABRCMS 2023 4. Outstanding Oral Presentation Award, ABRCMS 2023
<i>Rishik Bethi</i>	Undergraduate 2022-Present	Current lab member	1. SyBURRE Searle Undergraduate Research Program, 2022-2025	1. SyBURRE Travel Award, 2022 2. ABRCMS Travel Award, 2022 3. 2022 ABRCMS Best Poster Award 4. 2023 ASPET Best Poster, 1 st place, behavioral pharmacology division
<i>Sophia Duncan</i>	Undergraduate 2023-Present		1. SyBURRE Searle Undergraduate Research Program, 2024	

Sofia Lago	Undergraduate 2024-Present		1 ASPET Summer Undergraduate Research Fellowship – 2024	
Alicia Garcia-Rivas	Undergraduate 2024-Present		1 START Summer Fellowship 2024	
		*Bolded names in filled boxes signify current laboratory members.		