

ERIN SICILIANO CALIPARI, PH.D.



SCHOOL OF MEDICINE
VANDERBILT UNIVERSITY

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Department of Pharmacology
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EDUCATION

<i>Graduate</i>	<i>Undergraduate</i>	<i>Undergraduate</i>
2009-2013	2005-2009	2005-2009
Ph.D in Neuroscience	B.S. in Psychology*	B.S. In Biology*
Wake Forest School of Medicine	University of Massachusetts, Amherst	University of Massachusetts, Amherst
Winston-Salem, NC	Amherst, MA	Amherst, MA
Advisor, Sara R. Jones, Ph.D	*With honors	*With honors

RESEARCH EXPERIENCE

<i>Postdoctoral</i>	<i>Graduate</i>	<i>Undergraduate</i>
2014-2016	2009-2013	2007-2009
Postdoctoral Fellow	Research Assistant/Doctoral Candidate	Research Assistant
Dept. of Neuroscience	Dept. of Physiology and Pharmacology	Dept. of Psychology
Icahn School of Medicine at Mount Sinai	Program in Neuroscience	University of Massachusetts Amherst
Laboratory of Eric J. Nestler, Ph.D.	Wake Forest School of Medicine	Laboratory of Jerrold S. Meyer, Ph.D.
	Laboratory of Sara R. Jones, Ph.D.	

PROFESSIONAL EXPERIENCE

2017-Present	<i>Assistant Professor</i> 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	<i>Instructor</i> Department of Neuroscience, Icahn School of Medicine at Mount Sinai

TEACHING EXPERIENCE

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.
2017 – 2018:	Lecturer, Fundamentals of the Excitable Membrane for Biologists , Department of Pharmacology, Vanderbilt University, Nashville, TN.
2017-2018	Instructor, NSC-3861, NSC-3862 , Neuroscience Program, Vanderbilt University, Nashville, TN.
2018-2019	Instructor, NSC-3861, NSC-3862, NSC-3863, NSC-3864 , Neuroscience Program, Vanderbilt University, Nashville, TN.
2018-2019	Lecturer, History, Culture and Science of Brewing , UNIV 3330, Vanderbilt University, Nashville, TN.
2018-2019	Lecturer, Human Behavioral Genetics , IGP Program Course, Vanderbilt University, Nashville, TN.

HONORS AND AWARDS

2019 **CEBRA R21 Study Section Ad Hoc Member - 2019/05 ZDA1 SXM-M (22) S**

- ACNP Associate Membership, *American College of Neuropsychopharmacology*
 MNPS Study Section Ad Hoc Member
- 2018 **Scientist of the Month**, *Vanderbilt Brain Institute*
Research Grant, *Edward Mallinckrodt Jr. Foundation*
CEBRA R21 Study Section Ad Hoc Member - ZDA1 SXM-M (09) S
Whitehall Foundation Research Grant, *Whitehall Foundation*
NARSAD Young Investigator Award, *Brain and Behavior Research Foundation*
Symposium Chair, *Society for Neuroscience*
Editorial Board for Neuropsychopharmacology
CEBRA R21 Study Section Ad Hoc Member - ZDA1 SXM-M (16) S
- 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*
Symposium Chair, *Winter Conference on Brain Research*, Big Sky, MT
- 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*
NARSAD Young Investigator Award, *Brain and Behavior Research Foundation*
K99-R00 Pathway to Independence Award (K99 DA042111)
Neuropharmacology Postdoctoral Fellow Travel Award, *ASPET*
Symposium Chair, *Research Society on Alcoholism*
Behavioral Pharmacology Society Postdoctoral Award, *Behavioral Pharmacology Society*
Postdoctoral Scientist Award Winner, *ASPET, Neuropharmacology Division*
Symposium Chair, *Monitoring Molecules in Neuroscience: In Vivo Methods*. Gothenberg, Sweden
Symposium Chair, *Winter Conference on Brain Research*. Breckenridge, CO
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

Pending

(\$1,500,000) **Priority Score: 17** Start date 09/01/19
 DP1 DA048931; National Institute on Drug Abuse
 Role: PI
Making and breaking opioid memories to prevent relapse

Current

(\$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

(\$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

(\$58,000) 7/01/18-02/28/19
R01ES016931; National Institute of Environmental Health Sciences
Role: Co-investigator

Gene-intoxicant interactions in huntington disease

(\$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

Completed

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

(\$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

SERVICE AND OUTREACH

Grant Review Committees and Study Sections

2019, June 2019/10 MNPS, Molecular Neuropharmacology and Signaling, Ad Hoc Member
2019, May ZDA1 SXM-M (22) S, CEBRA R21, NIDA Study Section, Ad Hoc Member
2019, February 2019/05 MNPS, Molecular Neuropharmacology and Signaling, Ad Hoc Member
2018, October ZDA1 SXM-M (09) S, CEBRA R21, NIDA Study Section, Ad Hoc Member
2018, February ZDA1 SXM-M (16) S, CEBRA R21, NIDA Study Section, Ad Hoc Member

Editorial Boards

2018-Present Neuropsychopharmacology, Editorial Board

Committees

2018 **Vanderbilt Brain Institute, Search Committee**
 2018 **Department of Pharmacology, Cancer Pharmacology Search Committee**
 2018- Present **Vanderbilt Brain Institute, VBI Outreach Committee**
 2018- Present **Dean's Office, Committee on the Status of Women in Vanderbilt Basic Sciences**
 2018-Present **Vanderbilt Brain Institute, Search Committee**

Departmental Service

June, 2018 Poster Judge, *Vanderbilt Opioid Forum*
 November, 2018 Poster Judge, *Vanderbilt Center for Addiction Research (VCAR) Research Day*

Conferences and Organizations

Nov, 2018 **Symposium Chair, Society for Neuroscience**
 Jan, 2018 **Symposium Chair, Winter Conference on Brain Research**
 2017-Present **Executive Council Member, American Society for Pharmacology & Experimental Therapeutics (ASPET)**
 Jan, 2017 **Symposium Chair, Winter Conference on Brain Research**
 2016-Present **Council Member, Postdoc Executive Committee**
 2016-Present **Executive Council Member, The Catecholamine Society**
 2016-Present **Vice President, Sinai Women In Science**
 July, 2016 **Symposium Chair, Research Society on Alcoholism**
 2015-Present **Organizing Committee, Icahn School of Medicine MSN Seminar Series**
 2015-2016 **Chair of the Professional Development Committee, Sinai Women In Science**
 March, 2016 **Symposium Chair, Monitoring Molecules in Neuroscience: In Vivo Methods. Gothenberg, Sweden**
 Jan, 2016 **Symposium Chair, Winter Conference on Brain Research. Breckenridge, CO**
 2015-Present **Associate Chair Elect; Gordon Research Seminar on Catecholamines**
 2015-Present **Council Member, The Catecholamine Society**

Outreach

2016-2017 1000 Girls 1000 Futures, Group Leader; *New York Academy of Sciences*
 2014-2017 Greater NYC Chapter of SFN BrainNY Volunteer; New York, NY
 2014-2017 Brain Awareness Fair Presenter; New York, NY
 2015-2016 1000 Girls 1000 Futures, Mentor; *New York Academy of Sciences*
 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

2018-Present Suzanne Nolan, Vanderbilt University School of Medicine, Postdoctoral Fellow
 2019-Present Emily Chuang, Vanderbilt University, Undergraduate Researcher
 2018-Present Sophie Halper, Vanderbilt University, Undergraduate Researcher
 2018-Present Ashley Hendricks, Vanderbilt University, Undergraduate Researcher
 2018-Present Jennifer Tat, Vanderbilt University, Undergraduate Researcher
 2018-Present Alberto Lopez, Vanderbilt University School of Medicine, Postdoctoral Fellow
 2018, Summer Ryley Guay, Vanderbilt University, Undergraduate Researcher
 2018-Present Christina Sanders, Vanderbilt University, Undergraduate Researcher
 2018-Present Lillian Brady, Vanderbilt University School of Medicine, Postdoctoral Fellow
 2018- Present Kimberly Thibeault, Vanderbilt University School of Medicine, Graduate Student – Neuroscience
 2018- Present Amy Johnson, Vanderbilt University School of Medicine, Postdoctoral Fellow
 2017-Present Munir Gunes Kutlu, Vanderbilt University School of Medicine, Research Instructor
 2016-2017 Emily Grace Peck, Icahn School of Medicine at Mount Sinai, Research Assistant
 2016-2017 Arthur Godino, Icahn School of Medicine at Mount Sinai, Masters Student
 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
 2011-2014 Jamie Rose, Wake Forest School of Medicine, Graduate Student

Thesis Committee Member

2019- Present Benjamin Coleman, Vanderbilt University School of Medicine, Graduate Student

2019- Present	Veronika Kondev, Vanderbilt University School of Medicine, Graduate Student
2019- Present	Alexis Jameson, Vanderbilt University School of Medicine, Graduate Student
2018- Present	Kellie Williford, Vanderbilt University School of Medicine, Graduate Student
2018- Present	Nathan Winters, Vanderbilt University School of Medicine, Graduate Student
2018- Present	Jordan Brown, Vanderbilt University School of Medicine, Graduate Student
2018- Present	Bridget Collins, Vanderbilt University School of Medicine, Graduate Student
2018- 2019	Kristina Kitko, Vanderbilt University School of Medicine, Graduate Student
2018- 2019	Corey Roach, Vanderbilt University School of Medicine, Graduate Student
2018- Present	Rafael Perez, Vanderbilt University School of Medicine, Graduate Student

Ad Hoc Reviewer: Nature Communications, Biological Psychiatry, Journal of Neuroscience, Neuropsychopharmacology, Drug and Alcohol Dependence, eNeuro, ACS Neuroscience, Journal of Clinical Investigation, Neurochemistry International, Molecular Psychiatry, Journal of Neurochemistry, Journal of Neuroscience Research, Psychopharmacology, Brain Structure and Function, Alcohol and Alcoholism, Nature Human Behavior, Alcohol, Communications Biology

PROFESSIONAL MEMBERSHIPS

2019 – Present	American College for Neuropsychopharmacology Canadian Neuroscience Society
2015 – Present	Research Society on Alcoholism, The Catecholamine Society (<i>Executive Council Member</i>) International Society for Neurochemistry Behavioral Pharmacology Society
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 (<i>Executive Council Member</i>)
2011 – Present	Society for Neuroscience

PUBLICATIONS (52 publications, H-Index = 22; Citations = 1321)

Primary Research Articles

- Johnson AR, Thibeault KC, Loez AJ, Peck EG, Sands LP, Kutlu MG, **Calipari ES** (2019) Cues play a critical role in estrous-cycle dependent enhancement of cocaine reinforcement. *Neuropsychopharmacology*. In Press.
 - Journal Commentary:** Zlebnik NE (2019) Females pay a higher price for addiction. *Neuropsychopharmacology*. In Press
- Rinker JA, Gioia D, Braunscheidel KM, Wayman WN, Hoffman M, Passarella L, **Calipari ES**, Mulholland PJ, Woodward J. Monitoring Neural Activity During Exposure to Drugs of Abuse With In Vivo Fiber Photometry. *bioRxiv*. bioRxiv 487546; doi: <https://doi.org/10.1101/487546>
- Mervosh N, Wilson R, Rauniyar N, Hofford R, Kultu MG, **Calipari ES**, Lam T, Kiraly DD (2018) Granulocyte-colony stimulating factor alters the proteomic landscape of the ventral tegmental area. *Proteomes*. In press.
- Zhang H, Chaudhury D, Nectow AR, Juarez B, **Calipari ES**, Zhang S, Friedman AK, Ku SM, Crumiller M, Jiang C, Morel C, Tzavaras N, Salton SR, Nestler EJ, Friedman JM, Cao JL, Han MH. Alpha1 and beta3 adrenergic receptor-mediated mesolimbic homeostatic plasticity confers resilience to social stress in susceptible mice. (2018) *Biological Psychiatry*. In Press.
- Kutlu MG, Brady LJ, Peck EG, Hofford RH, Yorganson JT, Siciliano CA, Kiraly DD, **Calipari ES**. (2018) Granulocyte colony stimulating factor enhances reward learning through potentiation of mesolimbic dopamine system function. *J. Neuroscience*. In Press.
- Ribeiro EA, Sallery M, Scarpa JS, **Calipari ES**, Hamilton PJ, Ku SM, Kronman K, Purushothaman I, Juarez B, Heshmati M, Doyle M, Lardner C, Burek D, Strat AN, Pirpinias S, Mouzon EA, Han MH, Neve R, Bagot RC, Kasarskis A, Koo JW, Nestler EJ. Transcriptional and physiological adaptations in nucleus accumbens somatostatin interneurons that regulate behavioral responses to cocaine. *Nature Communications*. 9(1):3149.
- Walker DM, Cates HM, Loh YE, Purushothaman I, Ramakrishnan A, Cahil KA, Lardner CK, Godino A, Kronman H, Rabkin J, Ramakrishnan A, Lorsch ZA, Mews P, Doyle MA, Feng J, Labonte B, Koo JW, Bagot RC, Logan RW, Seney ML, **Calipari ES**^{#†}, Shen L[†], Nestler EJ^{#†}. Cocaine self-administration alters transcriptome-wide responses in the brain's reward circuitry. *Biological Psychiatry*. In Press.
-- Co-Corresponding Author, † -- Authors Contributed Equally
- Calipari ES**, Godino A, Peck EG, Landry J, Walker DM, Hurd YL, Nestler EJ, Russo SJ, Kiraly DD. Granulocyte-colony stimulating factor modulates neuronal and behavioral plasticity in response to cocaine (2018) *Nature Communications*. 9(1):9.

9. Juarez B, Morel C, Ku SM, Liu Y, Zhang H, Montgomery S, Gregoire H, Riberio E, Crumiller M, Jackson K, Roman-Ortiz Walsh JJ, Jackson K, Croote D, Zhu Y, Zhang S, Vendruscolo LF, Edwards S, Roberts A, Hodes GE, Yongke Lu, **Calipari ES**, Chaudhury D, Friedman AK, Han MH (2017) Midbrain circuit regulation of individual alcohol drinking behaviors. *Nature Communications*. 8:2220.
10. Siciliano CA, Saha K, **Calipari ES**, Fordahl SC, Khoshbouei H, Jones SR. (2017) Amphetamine reverses compulsive cocaine seeking through restoration of dopamine transporter formation. *The Journal of Neuroscience*. 2604-17.
11. Barker DJ, Miranda-Barrientos J, Zhang S, Root DH, Wang HL, Liu B, **Calipari ES**, Morales M (2017) Lateral preoptic control of the lateral habenula through convergent glutamate and GABA transmission. *Cell Reports*. 21(7), 1757-69.
12. Labonte B, Engmann O, Purushothaman I, Hodes G, Lorsch Z, Hamilton PJ, **Calipari ES**, Scarpa JR, Loh E, Issler O, Kronman H, Walker DM, Pfau M, Doyle M, Neve R, Russo S, Kazarskis A, Tamminga C, Mechawar N, Turecki G, Zhang B, Shen L, Nestler EJ (2017) Sex-Specific Transcriptional Signatures in Human Depression. *Nature Medicine*. 23, 1102-1111.
13. Dash S, Balasubramaniam M, Godino A, Peck EG, Rana T, Goodwin S, Villata F, **Calipari ES**, Nestler EJ, Dash C, Panhare J. (2017) Poly (ADP-ribose) Polymerase-1 (PARP-1) induction by cocaine is post-transcriptionally regulated by miR-125b. *eNeuro*. ENEURO.0089-17.2017.
14. Muir J, Lorsch ZS, Ramakrishnan C, Deisseroth K, Nestler EJ, **Calipari ES**, Bagot RC (2017) In vivo fiber photometry reveals signature of future stress susceptibility in nucleus accumbens. *Neuropsychopharmacology*. 43(2):255-263.
15. Engmann O, Labonte B, Mitchell A, Bashtrykov P, **Calipari ES**, Rosenbluh C, Loh EDW, Walker DM, Burek D, Hamilton P, Issler O, Never R, Turecki G, Hurd Y, Chess A, Shen L, Jeltsch A, Akbarian S, Nestler EJ (2017) The largest number of cocaine-induced changes in histone modifications are associated with increased expression and DNA-DNA interactions of *Auts2*. *Biological Psychiatry*. 82(11):794-805.
16. **Calipari ES**, Juarez B, Morel C, Walker DM, Cahill ME, Riberio E, Deisseroth K, Han MH, Nestler EJ. Dopaminergic dynamics underlying sex-specific cocaine reward (2017). *Nature Communications*. 8:13877.
17. Kiraly DD, Walker DM, **Calipari ES**, Labonte B, Issler O, Pena CJ, Ribiero E, Russo SJ, Nester EJ. Host Microbiota serve as an important regulator of behavioral responses to cocaine (2016). *Sci. Reports*. 6:35455.
18. Damez-Werno D, Sun H, Scobie H, Shao NY, Dias C, Rabkin J, **Calipari ES**, Maze I, Peña CJ, Walker DM, Cahill M, Chandra R, Gancarz A, Mouzon E, Landry JA, Cates H, Lobo MK, Dietz D, Allis C, Guccione E, Turecki G, Defilippi P, Neve R, Hurd Y, Shen L, Nestler EJ (2016). Histone Arginine Methylation in Cocaine Action: Essential Role of Src Signaling in the Nucleus Accumbens. *Proceedings of the National Academy of Sciences U.S.A.* 113(34):9623-8.
19. Salvatore MF, **Calipari ES**, Jones SR. Regulation of tyrosine hydroxylase expression and phosphorylation in dopamine transporter heterozygote and knockout mice (2016). *ACS Chem. Neurosci*. 7(7):941-51.
20. Siciliano CA, **Calipari ES**, Yorgason JT, Lovinger DM, Mateo Y, Jimenez VA, Grant KA, Jones SR. (2016) Increased presynaptic regulation of dopamine neurotransmission in the nucleus accumbens core following chronic ethanol self-administration in female macaques (2016). *Psychopharmacology*. 233(8):1435-43.
21. **Calipari ES**, Bagot RC, Purushothaman I, Walker DM, Davidson TJ, Yorgason JT, Pena CJ, Guise K, Ramakrishnan C, Deisseroth K, Nestler EJ. (2016) In vivo imaging identifies temporal signature of D1 and D2 medium spiny neurons in cocaine reward. *Proceedings of the National Academy of Sciences U.S.A.* 113(10):2726-31.
 - a. **Journal Commentary:** Alvarez VA (2016) Clues on the coding of reward cues by the nucleus accumbens. *Proceedings of the National Academy of Sciences U.S.A.* 113 (10) 2560-2562
22. Siciliano CA, **Calipari ES**, Yorgason JT, Cuzon Carlson VC, Helms CM, Lovinger DM, Grant KA, Jones SR. Chronic ethanol self-administration in macaques shifts dopamine feedback inhibition to predominantly D2 receptors in nucleus accumbens core. (2015) *Drug and Alcohol Dependence*. 158:159-63.
23. Yorgason JT, **Calipari ES**, Ferris MJ, Weiner JL, Jones SR. (2015) Social Isolation Rearing Increases Dopamine Uptake and Psychostimulant Potency in the Striatum. *Neuropharmacology*. 101:471-9.
24. Koo JW, Labonte B, Engmann O, **Calipari ES**, Juarez B, Lorsche Z, Walsh JJ, Friedman AK, Han MH, Nestler EJ. (2015) Essential role of mesolimbic brain-derived neurotrophic factor in chronic defeat-induced depressive behaviors. *Biological Psychiatry*. 80(6):469-478.
25. Sun H, **Calipari ES**, Beveridge TJ, Jones SR, Chen R. (2015) The brain gene expression profile of dopamine D2/D3 receptors and associated signaling proteins following amphetamine self-administration. *Neuroscience*. 307:253-61.
26. Siciliano CA, **Calipari ES**, Cuzon Carlson VC, Helms CM, Lovinger DM, Grant KA, Jones SR. (2015) Voluntary Ethanol Intake Predicts Kappa Opioid Receptor Supersensitivity and Regionally Distinct Dopaminergic Adaptations in Macaques. *The Journal of Neuroscience*. 35(15):5959-68.
27. Ferris MJ, **Calipari ES**, Rose JH, Siciliano CA, Sun H, Chen R, Jones SR. (2015) A single amphetamine bolus restores dopamine nerve terminal function and sensitivity to cocaine following a history of cocaine self-administration. *Neuropsychopharmacology*. 40(8):1826-36.
28. **Calipari ES**, Ferris MJ, Siciliano CA, Jones SR. (2015) Differential influence of dopamine transport rate on the potencies of cocaine amphetamine and methylphenidate. *ACS Chemical Neuroscience*. 6(1):155-62.
29. Dias C, Feng J, Sun H, Shao NY, Mazei-Robison MS, Damez-Werno D, Scobie K, Bagot R, LaBonte B, Ribeiro E, Liu XC,

- Kennedy P, Vialou V, Ferguson D, Pena CJ, **Calipari ES**, Koo J, Mouzon E, Ghose S, Tamminga C, Neve R, Shen L, Nestler EJ. (2014) β -Catenin Mediates the Development of Behavioral Resilience. *Nature*. 516(7529):51-5.
30. **Calipari ES**, Siciliano CA, Zimmer BA, Jones SR. (2015). Brief intermittent cocaine self-administration and abstinence sensitizes cocaine effects on the dopamine transporter and increases drug seeking. *Neuropsychopharmacology*.40(3):728-35.
 31. Siciliano CA, **Calipari ES**, Jones SR. (2014) Amphetamine potency varies across striatal subregions with dopamine uptake rate. *The Journal of Neurochemistry*. 131(3): 348-55.
 32. Siciliano CA, **Calipari ES**, Ferris MJ, Jones SR. (2014) Biphasic Mechanisms of Amphetamine Action at the Dopamine Terminal. *The Journal of Neuroscience*. 34(16): 5575-82.
 33. **Calipari ES**, Ferris MJ, Siciliano CA, Jones SR. (2014) Intermittent cocaine self-administration produces sensitization of stimulant effects at the dopamine transporter. *Journal of Pharmacology and Experimental Therapeutics*. 349(2): 192-8.
 34. **Calipari ES**, Jones SR. (2014) Intermittent-access methylphenidate self-administration results in sensitized dopamine responses to dopamine releasers, but not dopamine transporter blockers. *Neuropharmacology*. 82:1-10.
 35. **Calipari ES**, Sun H, Eldeeb K, Feng X, Howlett AC, Jones SR, Chen R. (2014) Amphetamine self-administration attenuates dopamine D2 autoreceptor function. *Neuropsychopharmacology*. 39(8): 1833-42.
 36. **Calipari ES**, Ferris MJ, Melchior JR, Bermejo K, Salahpour A, Roberts DC, Jones SR. (2014) Methylphenidate and cocaine self-administration produce distinct dopamine terminal alterations. *Addiction Biology*. 19(2):145-55.
 37. Rose JH, **Calipari ES**, Mathews TA, Jones SR. (2013) Greater ethanol-induced locomotor activation in DBA/2J versus C57BL/6J mice is not predicted by presynaptic striatal dopamine dynamics. *PLOS ONE*. 8(12):e83852.
 38. **Calipari ES**, Ferris MJ, Caron MG, Roberts DC, Jones SR. (2013) Methylphenidate amplifies the potency and reinforcing effects of amphetamines by increasing dopamine transporter expression. *Nature Communications*. 4:2720.
 39. **Calipari ES**, Ferris MJ, Roberts DCS, Jones SR. (2013) Extended Access Cocaine Self-Administration Results in Tolerance to the Dopamine-Elevating and Locomotor-Stimulating Effects of Cocaine. *The Journal of Neurochemistry*. 128(2):224-32.
 40. **Calipari ES**, Beveridge TJ, Jones SR, Porrino LJ. (2013) Persistent decreases in functional activity of limbic brain regions following extended access cocaine self-administration. *European Journal of Neuroscience*. 38(12):3749-57. *Figure 5 selected for journal front cover illustration.
 41. **Calipari ES**, Ferris MJ, Zimmer BA, Roberts DCS, Jones SR. (2013) Temporal pattern of cocaine intake determines tolerance versus sensitization of cocaine effects at the dopamine transporter. *Neuropsychopharmacology*. 38(12):2385-92.
 42. Ferris MJ, **Calipari ES**, Melchior JR, España RE, Jones SR. (2013) Paradoxical tolerance to cocaine after initial supersensitivity in drug use prone animals. *European Journal of Neuroscience*. 38(4):2628-36.
 43. **Calipari ES**, Huggins KN, Matthews T, Jones SR. Conserved dorsal-ventral gradient of dopamine release and uptake rate in mice, rats and rhesus macaques. (2012) *Neurochemistry International*. 61(7):986-91.
 44. Ferris MJ, **Calipari ES**, Melchior JR, Roberts DC, Jones SR. (2012). Cocaine self-administration produces pharmacological tolerance: Differential effects on the potency of dopamine transporter blockers, releasers, and methylphenidate. *Neuropsychopharmacology*, 37(7): 1708-1716. *Figure 1 selected for journal front cover illustration.

Reviews, Commentaries, and Book Chapters

45. Yohn SE, Gailbraith J, **Calipari ES**, Conn PJ (2019) Shared Behavioral and Neurocircuitry Disruptions in Drug Addiction, Obesity and Binge Eating Disorder: Focus on Group I mGluRs in the Mesolimbic Dopamine Pathway. *ACS Chemical Neuroscience*. In Press.
46. Thibeault KC, Kutlu MG, Sanders CM, **Calipari ES** (2018) Cell-type and projection-specific dopaminergic encoding of aversive stimuli in addiction. *Brain Research*. In Press.
47. Kiraly DD, Walker DM, **Calipari ES** (2018) Modeling drug addiction in females: how internal state and environmental context facilitate vulnerability. *Current Opinions in Behavioral Sciences*. 23: 27-35.
48. Mews P, **Calipari ES** (2017) Crosstalk between the epigenome and neural circuits in drug addiction. *Progress in Brain Research*. 235:19-63.
49. Siciliano CA, **Calipari ES**, Ferris MJ, Jones SR. (2015) Adaptations of presynaptic dopamine terminals induced by psychostimulant administration. *ACS Chemical Neuroscience*. 6(1):27-36.
50. **Calipari ES**, Ferris MJ. (2013) Amphetamine mechanisms and actions at the dopamine terminal revisited. *The Journal of Neuroscience*. 33(21):8923-5.
51. Ferris MJ, **Calipari ES**, Yorgason JT, Jones SR. (2013) Examining the complex regulation and drug-induced plasticity of dopamine release and uptake using voltammetry in brain slices. *ACS Chemical Neuroscience*. 4(5):693-703.
52. **Calipari ES**, España RE. (2013) The hypocretin/orexin system regulates dopamine signaling and behavioral responses to drugs of abuse. *Frontiers in Behavioral Neuroscience*. 6:54.

Manuscripts Submitted and Under Revision

53. Zachry JE, Johnson AR, [Calipari ES](#). Sex differences in value-based decision making underlies addiction vulnerability in females. *Alcohol and Alcoholism*. Submitted.
54. Kutlu MG#, Zachry JE#, Brady LJ, Melugin P, Sanders C, Johnson AR, [Calipari ES](#). A balancing act: females prioritize avoiding aversive stimuli when making value-based decisions. *Biological Psychiatry*. Submitted.
55. Flanigan M, Aleyasin H, LeClair K, Lucas EK, Matikainen-Ankney B, Takahashi A, Menard C, Bouchard S, Pfau ML, Golden SA, [Calipari ES](#), Nestler EJ, DiLeone RJ, Yamanaka A, Huntley GW, Clem RL, Russo SJ. Orexin signaling in the lateral habenula encodes the valence of aggressive social encounters. *Nature Neuroscience*. Under Review.
56. Fakira AK, Peck EG, Liu Y, Lueptow LM, Trimbrake NA, Han MH, [Calipari ES](#), Devi LA. GPR83 receptor expression in the nucleus accumbens regulates morphine preference and dopamine release. *Neuropsychopharmacology*. Under Review.
57. Dash S, Balasubramaniam M, Godino A, Peck EG, Patnaik S, Suar M, [Calipari ES](#), Nestler EJ, Villalta F, Dash C, Pandhare J. Cocaine-Regulated microRNA “miR-124” Controls Poly (ADP-ribose) Polymerase-1 Expression in Neuronal Cells. Submitted.
58. [Calipari ES](#), Godino A, Salery M, Damez-Werno D, Cahill ME, Werner CT, Gancarz AM, Peck EG, Jlayer Z, Rabkin J, Landry JA, Smith ACW, Hurd YL, Neve RL, Dietz DD, Nestler EJ. Synaptic microtubule-associated protein EB3 and SRC phosphorylation mediate structural and behavioral adaptations during withdrawal from cocaine self-administration. *Journal of Neuroscience*. Resubmitted.
59. Lopez AJ, Siciliano CA, [Calipari ES](#). Activity-dependent epigenetic remodeling in addiction. *Handbook of Experimental Pharmacology*. Under Review.
60. Lepack AE, Werner CT, Farrelly LA, Zhong P, Smith ACW, Thompson RE, Ramakrishnan A, Lyu Y, Syeward AF, Martin JA, Fulton SL, Bastle RM, O'Connor R, Want ZJ, Muir TW, Molina H, Tureky G, Shen L, Yan Z, [Calipari ES](#), Dietz DM, Kenny PJ, Maze I. Dopaminylation of histone H3 in ventral tegmental area regulates cocaine-seeking. Under revision at *Science*.

TALKS

Conferences / Invited

1. [Calipari ES](#) (2019, August) Dopaminergic mechanisms underlying sex differences in valence-based decision making. Gordon Conference on Catecholamines. Newry, ME.
2. [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.
3. [Calipari ES](#) (2019, June) Developing novel preclinical models to study addiction in females. *College on Problems of Drug Dependence*. San Antonio, TX.
4. [Calipari ES](#) (2019, May) The neural basis of sex differences in value-based decision making. *Canadian Neuroscience Meeting (CAN)*. Montreal, Québec, Canada.
5. [Calipari ES](#) (2019, May) Sex differences in behavioral strategies: the role of the neural encoding of stimulus value. *Washington University in St. Louis*. St. Louis, MO.
6. [Calipari ES](#) (2019, April) The neural basis of sex differences in addiction vulnerability. *Belmont University*. Nashville, TN.
7. [Calipari ES](#) (2019, April) Sex differences in positive and negative reinforcement. *Behavioral Pharmacology Society*. Orlando, FL.
8. [Calipari ES](#) (2019, March) The neural basis of sex differences in behavioral strategies. *Université Laval*. Quebec City, Quebec.
9. [Calipari ES](#) (2019, February) Outlining the circuit-based mechanisms controlling sex differences in behavioral strategies. *University of Kentucky Department of Biology*. Lexington, KY.
10. [Calipari ES](#) (2019, February) The neural basis of deficits in behavioral strategies in addiction. *Local NIDA Meeting at the University of Kentucky*. Lexington, KY.
11. [Calipari ES](#) (2019, February) Defining the molecular and circuit-based mechanisms of drug addiction. *The University of Mississippi*. Oxford, MS.
12. [Calipari ES](#) (2019, January) Cell-type specific mechanisms underlying sex-specific behavioral strategies. *Winter Conference on Brain Research*. Snowmass, Utah.
13. [Calipari ES](#) (2019, January) Epigenetic signatures underlying cue-induced drug seeking. *Winter Conference on Brain Research*. Snowmass, Utah.
14. [Calipari ES](#) (2018, November) Molecular and circuit-based mechanisms of addiction vulnerability in females. *Marquette University*. Milwaukee, WI.
15. [Calipari ES](#) (2018, November) Neural circuits underlying sex differences in addiction vulnerability. *Psychiatry Grand Rounds, Vanderbilt University*. Nashville, TN.
16. [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.
17. [Calipari ES](#) (2018, September) Transcriptional mechanisms of cocaine addiction. *University of Alabama, Birmingham*. Birmingham, AL.

18. **Calipari ES** (2018, September) Molecular and circuit-based mechanisms of sex differences in addiction vulnerability. *Vanderbilt University*. Nashville, TN.
19. **Calipari ES** (2018, July) The biological basis of sex differences in addiction vulnerability. *Marine Biological Laboratory*. Woods Hole, MA.
20. **Calipari ES** (2018, June) Defining the biological basis of drug addiction. *Vanderbilt University*. Nashville, TN.
21. **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.
22. **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.
23. **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.
24. **Calipari ES** (2018, May) Enhanced Dopaminergic Function During Estrus Drives Increased Addiction Vulnerability
25. in Females. *Organization for the Study of Sex Differences*. Atlanta, GA.
26. **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.
27. **Calipari ES** (2018, March) Peripheral immune factors influence motivation via pathway-specific modulation of neural circuit activity. *The University of Minnesota*. Minneapolis, MN.
28. **Calipari ES** (2018, March) Understanding the neurobiological basis of sex differences in addiction vulnerability. *Sewanee: The University of the South*. Sewanee, TN.
29. **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.
30. **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.
31. **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.
32. **Calipari ES** (2017, June) Estrous cycle dependent alterations in dopaminergic dynamics underlie increased addiction vulnerability in females. *Research Society on Alcoholism*. Denver, CO.
33. **Calipari ES** (2017, June) Temporal pattern of cocaine intake determines tolerance versus sensitization of dopaminergic function. *College on Problems of Drug Dependence*. Montreal, Canada.
34. **Calipari ES** (2017, April) Dissecting the molecular and circuit-based mechanisms of drug addiction. *Wake Forest University*. Winston-Salem, NC.
35. **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.
36. **Calipari ES** (2017, March) Dopaminergic dynamics of sex-specific cocaine reward. *Vanderbilt University*. Nashville, TN.
37. **Calipari ES** (2017, March) Dopaminergic dynamics of sex-specific cocaine reward. *The University of North Carolina, Chapel Hill*. Chapel Hill, NC.
38. **Calipari ES** (2017, February) Divergent encoding of positive and negative valence and its dysregulation in drug addiction. *University of Maryland*. College Park, MD.
39. **Calipari ES** (2017, February) Divergent encoding of positive and negative valence and its dysregulation in drug addiction. *Johns Hopkins University*. Baltimore, MD.
40. **Calipari ES** (2017, February) Dissecting the molecular and circuit-based mechanisms of drug addiction. *Harvard University*. Boston, MA.
41. **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.
42. **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.
43. **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.
44. **Calipari ES** (2016, December) Dopaminergic dynamics underlying sex-specific cocaine reward. *Weil Cornell*. New York, NY.
45. **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.
46. **Calipari ES** (2016, November) Dissecting the molecular and circuit-based mechanisms of drug addiction. *University of Michigan, Dept. of Pharmacology*. Ann Arbor, MI.
47. **Calipari ES** (2016, October) Dissecting the molecular and circuit-based mechanisms of drug addiction. *Rutgers University*, New Brunswick, NJ.
48. **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.
49. **Calipari ES** (2016, August) Dissecting the molecular and circuit-based mechanisms of drug addiction. *Drexel University School of Medicine*. Philadelphia, PA.

50. **Calipari ES** (2016, July) Dissecting the molecular and circuit-based mechanisms of drug addiction. *Boston University*. Boston, MA
51. **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*. Gothenberg, Sweden.
52. **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.
53. **Calipari ES** (2016, April) Dopaminergic dynamics underlying sex-specific cocaine reinforcement. *Behavioral Pharmacology Society Annual Meeting*. San Diego, CA.
54. **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.
55. **Calipari ES** (2016, January) In vivo regulation of D1 and D2 medium spiny neuron activity in nucleus accumbens: Role in Cocaine-Mediated Reward. *Winter Conference on Brain Research*. Breckenridge, CO.
56. **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.
57. **Calipari ES** (2015, November) Chronic cocaine exposure alters reward processing through D1 medium spiny neuron dysregulation. *Medical University of South Carolina*. Charleston, SC.
58. **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.
59. **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.
60. **Calipari ES** (2015, March) Drug history alters methamphetamine effects at the dopamine transporter. Invited Talk. *American Society for Pharmacology and Experimental Therapeutics*. Boston, MA.
61. **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.
62. **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.
63. **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.
64. **Calipari ES** (2011, August) Enhanced potency of amphetamines following I.V. methylphenidate self-administration. Oral Presentation. *Gordon Research Conference on Catecholamines*. Lewiston, ME.

Lectures /Career Development/ Panels

65. **Calipari ES** (2019, February). *The Neurobiology of Addiction*. *Oxford Science Café*. Oxford, MS.
66. **Calipari ES, Vivian Gama, Yi Ren** (2018, July). Panel. Setting up and Running a New Lab. *ASPIRE Café for Postdocs, Vanderbilt University*. Nashville, TN.
67. **Calipari ES, Moron J, Gereau R, Jones C, Winder DG** (2018, June). Panel. Alternative therapies and addiction research. *Vanderbilt Opioid Forum*.
68. **Calipari ES, Tate A, Ren Y, Ravichandran P** (2018, April). Panel. Junior Faculty Path to Success. *Vanderbilt Postdoc Association Research Day*.
69. **Calipari ES** (2018, April) Oral presentation to the Vanderbilt Board of Trust. *Vanderbilt University School of Medicine*. Nashville, TN.
70. **Calipari ES** (2017, November) Careers development lecture: NIH training grants. *Icahn School of Medicine at Mount Sinai*. New York, NY.
71. **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 (selected)

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- “Expert Reaction to Ritalin and Addiction.” *Science Media Centre*, November 5, 2013, Fiona Fox.
 - “Ritalin drives the need for speed.” *Nature Asia*, November 6, 2013.
 - “Surge in ADHD diagnoses gets a red flag.” *Medical Express*, November 6, 2013, Richard Ingham.
 - “Is ADHD Overdiagnosed? Disorder’s Broad Definition Could Subject Kids To ‘Unnecessary’ Treatment.” *Medical Daily*, November 6, 2013, Lecia Bushak.
 - “Women are more susceptible to cocaine addiction: study”. *New York Post*, January 12, 2017, Sophia Rosenbaum
 - “Researches reveal connection between female estrogen cycle and addictive potential of cocaine.” *Newswise*, January 10, 2017, Elizabeth Dowling.
 - “Researchers reveal connection between female estrogen cycle and cocaine addiction.” *EurekaAlert!* January 10, 2017.
 - “Neuroscience: Explaining sex-specific differences in cocaine reward.” *Nature Asia*, January 11, 2017.
 - “Study offers insight into women’s response to cocaine.” *AddictionPro.com*, January 12, 2017. Gary A. Enos.

- “Could the pill cure addiction?” *The Sun*, January 11, 2017. Lizzie Parry.
- “Why are women more likely to get hooked on cocaine?” *Addiction Now*, January 13, 2017. Livia Areas-Holmblad.
- “Cocaine’s effects are most potent when estrogen levels are high” *The Brain and Behavior Research Foundation*. February 3, 2017.
- “Cocaine addiction: Scientists cure mice of dependency on the drug” *Yahoo News*, January 16, 2018. Alex Matthews-King
- “Mount Sinai researchers identify protein involved in cocaine addiction” *Eureka Alert!* January 16, 2018.
- “Cocaine de-addiction breakthrough shows promise” *The Medical News*. January 16, 2018. Ananya Mandal, MD, <https://www.news-medical.net/news/20180116/Cocaine-de-addiction-breakthrough-shows-promise.aspx>
- “Research Showing How Cocaine Addiction Reprograms the Brain Points to New Therapy Targets” *The Brain and Behavior Research Foundation*. June 5, 2018. <https://www.bbrfoundation.org/content/research-showing-how-cocaine-addiction-reprograms-brain-points-new-therapy-targets>
- “Researchers are trying to use the body’s immune system to fight addiction” *The Richest*. Sept 20, 2018. Krissie Mick. <https://www.therichest.com/lifestyles/researchers-are-trying-to-use-the-bodys-immune-system-to-fight-addiction/>
- “Using the immune system to combat addiction” *Medical News Today*. Sept 14, 2018. Tim Newman. <https://www.medicalnewstoday.com/articles/323034.php>
- “Immune system may join battle against opioid addiction” *News Medical*. Sept 6, 2018. James Ives. <https://www.news-medical.net/news/20180906/Immune-system-may-join-battle-against-opioid-addiction.aspx>
- “Immune system may help fight opioid addiction” *Futurity*. Sept 6, 2018. Heidi Hall. <https://www.futurity.org/immune-systems-opioids-addiction-1858212-2/>
- “Vanderbilt works to fight opioid addiction” *News Channel 5 Network, Nashville, TN*. Sept 21, 2018. Kristen Skovira. <https://www.newschannel5.com/news/vanderbilt-works-to-fight-opioid-addiction>
- “Coach Cal’s oldest daughter focuses on beating opioid crisis” *WLKY Kentucky*, Louisville, KY. Feb 7, 2019. Carolyn Callahan. <https://www.wlky.com/article/coach-cals-oldest-daughter-focuses-on-beating-opioid-crisis/26238504>
- “Hormones May Be Linked to Substance Use Disorder & Relapse In Women & It’s An Important Finding” *Bustle*, Feb 11th 2019. Mika Doyle. <https://www.bustle.com/p/hormones-may-be-linked-to-substance-use-disorder-relapse-in-women-its-important-finding-15942726>
- “Women more prone to drug addiction” *Free Press Journal*. Feb 12th, 2019. <https://www.freepressjournal.in/health/women-more-prone-to-drug-addiction/1457968>
- “Q and A with Erin Calipari” University of Kentucky. March 7th, 2019. <https://uknow.uky.edu/research/qa-erin-calipari>
- “Meet the Calipari who holds court at Vanderbilt lab” *The Tennessean*. March 15th, 2019. <https://www.tennessean.com/story/news/2019/03/15/john-calipari-daughter-erin-calipari-vanderbilt-kentucky-basketball-sec-tourney-bbn/2761518002/>

TRAINEE ACCOMPLISHMENTS

Trainee	Position in lab	Grants/Funding	Awards/Honors
Alberto Lopez, PhD	Postdoctoral Fellow	1. NIDA F99/K00 DSPAN Fellowship (DA048436)	1. ACNP Travel Award
Amy Johnson, PhD	Postdoctoral Fellow	1. NIMH T32 (MH065215) Appointment 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
Lillian Brady, PhD	Postdoctoral Fellow	1. Academic Pathways Postdoctoral Fellowship	1. ASPET Postdoctoral Award 2. Neuropharmacology Poster Award 3. Dolores Shockley Award
Gunes Kutlu, PhD	Research Instructor	1. VUMC Research Scholar Award 2. NIMH K01 (MH118582), Priority score 24	1. FENS Young Investigator Award 2. JNS Young Investigator Travel Award
Kimberly Thibeault	Graduate Student	1. NIMH T32 (MH064913) Appointment	1. ASPET Graduate Student Travel Award 2. Daniel T. O’Connor Young Investigator Award
Jennifer Zachry	Graduate Student	1.	1.

<i>Kristina Kitko, PhD</i>	Graduate Student	1. NSF IGERT Fellow	
<i>Stephanie Cajigas</i>	MSTP Student		
<i>Christina Sanders</i>	Undergraduate	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>Sophie Halper</i>	Undergraduate	1. Summer Undergraduate Research Fellowship	1.
<i>Ryley Guay</i>	Undergraduate	1. Summer Undergraduate Research Fellowship	
<i>Ashley Hendricks</i>	Undergraduate	1. ASPET Summer Undergraduate Research Fellowship – 2019 2. VSURP Summer Fellowship	1.
<i>Jennifer Tat</i>	Undergraduate	1. ASPET Summer Undergraduate Research Fellowship – 2019 2. VSURP Summer Fellowship	2.

***Bolded names signify current laboratory members**

PROFESSIONAL REFERENCES

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