

## Publications

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### JOURNAL ARTICLES

1. Orsini, C. A., Pyon, W. S., Dragone, R. J., Faraji, M., Wheeler, A.-R., Pompilus, M., Febo, M., Bizon, J. L., & Setlow, B. (2023). Age-related changes in risky decision making and associated neural circuitry in a rat model. *Eneuro*, 10(1), ENEURO.0385–22.2022. <https://doi.org/10.1523/eneuro.0385-22.2022>
2. Truckenbrod, L. M., Cooper, E. M., & Orsini, C. A. (2022). Cognitive mechanisms underlying decision making involving risk of explicit punishment in male and female rats. *Cognitive, Affective, & Behavioral Neuroscience*. <https://doi.org/10.3758/s13415-022-01052-6>
3. Orsini, C. A., Brown, T. E., Hodges, T. E., Alonso-Caraballo, Y., Winstanley, C. A., & Becker, J. B. (2022). Neural mechanisms mediating sex differences in motivation for reward: Cognitive bias, food, gambling, and drugs of abuse. *The Journal of Neuroscience*, 42(45), 8477–8487. <https://doi.org/10.1523/jneurosci.1378-22.2022>
4. Orsini, C. A., Truckenbrod, L. M., & Wheeler, A.-R. (2022). Regulation of sex differences in risk-based decision making by gonadal hormones: Insights from rodent models. *Behavioural Processes*, 200, 104663. <https://doi.org/10.1016/j.beproc.2022.104663>
5. Blaes, S. L., Shimp, K. G., Betzhold, S. M., Setlow, B., & Orsini, C. A. (2022). Chronic cocaine causes age-dependent increases in risky choice in both males and females. *Behavioral Neuroscience*, 136(3), 243–263. <https://doi.org/10.1037/bne0000509>
6. Hernandez, C. M., Orsini, C. A., Blaes, S. L., Bizon, J. L., Febo, M., Bruijnzeel, A. W., & Setlow, B. (2020). Effects of repeated adolescent exposure to cannabis smoke on cognitive outcomes in adulthood. *Journal of Psychopharmacology*, 35(7), 848–863. <https://doi.org/10.1177/0269881120965931>
7. Garman, T. S., Setlow, B., & Orsini, C. A. (2020). Effects of a high-fat diet on impulsive choice in rats. *Physiology & Behavior*, 229, 113260. <https://doi.org/10.1016/j.physbeh.2020.113260>
8. Orsini, C. A., Blaes, S. L., Hernandez, C. M., Betzhold, S. M., Perera, H., Wheeler, A.-R., Eyck, T. W. T., Garman, T. S., Bizon, J. L., & Setlow, B. (2020). Regulation of risky decision making by gonadal hormones in males and females. *Neuropsychopharmacology*, 46(3), 603–613. <https://doi.org/10.1038/s41386-020-00827-0>
9. Orsini, C. A., & Simon, N. W. (2020). Reward/punishment-based decision making in rodents. *Current Protocols in Neuroscience*, 93(1). <https://doi.org/10.1002/cpns.100>
10. Hernandez, C. M., Orsini, C., Wheeler, A.-R., Eyck, T. W. T., Betzhold, S. M., Labiste, C. C., Wright, N. G., Setlow, B., & Bizon, J. L. (2020). Testicular hormones mediate robust sex differences in impulsive choice in rats. *eLife*, 9. <https://doi.org/10.7554/eLife.58604>
11. Setlow, B., Blaes, S. L., Burns, M. R., Dragone, R. J., & Orsini, C. A. (2020). Using rodent models to understand interactions between gambling and substance use. *Current Opinion in Behavioral Sciences*, 31, 37–41. <https://doi.org/10.1016/j.cobeha.2019.10.012>
12. Orsini, C. A., Blaes, S. L., Dragone, R. J., Betzhold, S. M., Finner, A. M., Bizon, J. L., & Setlow, B. (2020). Distinct relationships between risky decision making and cocaine self-administration under short- and long-access conditions. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, 98, 109791. <https://doi.org/10.1016/j.pnpbp.2019.109791>

### PREPRINTS

1. Truckenbrod, L. M., Betzhold, S. M., Wheeler, A.-R., Shallcross, J., Singhal, S., Harden, S., Schwendt, M., Frazier, C. J., Bizon, J. L., Setlow, B., & Orsini, C. A. (2023). *Circuit and cell-specific contributions to decision making involving risk of explicit punishment in male and female rats*. <https://doi.org/10.1101/2023.01.15.524142>

### BOOKS

### BOOK CHAPTERS

## Professional Presentations

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### The relationship between chronic opioid exposure and changes in risk taking.

NEUROBIOLOGY OF ADDICTION GORDON RESEARCH CONFERENCE

2024

**Uncovering the neurobiological and hormonal basis of sex differences in risk taking.**

MEDICAL UNIVERSITY OF SOUTH CAROLINA.

2024

**The role of dopamine D2 receptors in the basolateral amygdala in punishment-based risky decision making.**

AMYGDALA GORDON RESEARCH CONFERENCE, BARCELONA, SPAIN.

2023

**Amygdala-striatal circuitry in risky decision making.**

BAYLOR UNIVERSITY, DEPARTMENT OF PSYCHOLOGY & NEUROSCIENCE SEMINAR SERIES.

2022

**Amygdala-striatal circuitry in risky decision making.**

UNIVERSITY OF TEXAS AT SAN ANTONIO, SPRING NEUROSCIENCE SEMINAR SERIES

2022

**Hormonal basis of sex differences in reward-based decision making.**

SOCIETY FOR NEUROSCIENCE, SAN DIEGO, CA.

2022

**Hormonal regulation of decision making involving risk of punishment.**

INTERNATIONAL BEHAVIORAL NEUROSCIENCE SOCIETY, GLASGOW SCOTLAND.

2022

**Hormonal regulation of risk-based decision making: implications for decision making impairments associated with substance use disorders.**

NIDA WOMEN'S SEX AND GENDER WORKGROUP SEMINAR.

2022

**Sex differences in dopaminergic modulation of punishment-based risky decision making.**

INTERNATIONAL BEHAVIORAL NEUROSCIENCE SOCIETY, GLASGOW SCOTLAND.

2022

**Uncovering the neurobiological and hormonal basis of sex differences in risk taking.**

UNIVERSITY OF BUFFALO, DEPARTMENT OF PSYCHOLOGY.

2022

**Amygdala-striatal circuitry in risky decision making.**

ANDREWS GENOMICS SCHOLAR LECTURE SERIES, OREGON HEALTH & SCIENCE UNIVERSITY, PORTLAND, OR (VIRTUAL).

2021

**Chronic cocaine causes age-dependent increases in risk taking in rats of both sexes.**

PAVLOVIAN SOCIETY MEETING, ANN ARBOR, MI.

2021

**Hormonal regulation of risky choice in males and female rats.**

SOCIETY FOR THE QUANTITATIVE ANALYSES OF BEHAVIOR

2021

**Sex differences in dopaminergic modulation of punishment-based risky decision making.**

AMERICAN COLLEGE OF NEUROPSYCHOPHARMACOLOGY, PUERTO RICO.

2021

**Uncovering the neurobiological and hormonal basis of sex differences in risk taking.**

WAGGONER CENTER FOR ALCOHOL AND ADDICTION RESEARCH SEMINAR SERIES, AUSTIN, TX.

2021

**Uncovering the neurobiological and hormonal basis of sex differences in risk taking.**

DEPARTMENT OF PSYCHOLOGY, UNIVERSITY OF MEMPHIS, MEMPHIS, TN.

2021

**Amygdala-striatal circuitry in risky decision making.**

WAGGONER CENTER FOR ALCOHOL AND ADDICTION RESEARCH SEMINAR SERIES, AUSTIN, TX.

2020

**Amygdala-striatal circuitry in risky decision making.**

FLORIDA CONSORTIUM ON THE NEUROBIOLOGY OF COGNITION.

2020

**Amygdala-striatal circuitry in risky decision making.**

TEXAS A&M UNIVERSITY INSTITUTE FOR NEUROSCIENCE, COLLEGE STATION, TEXAS. \*CANCELLED DUE TO COVID.

2020

**Representation of risk salience in the basolateral amygdala.**

WINTER CONFERENCE ON BRAIN RESEARCH, BIG SKY, MONTANA.

2020

## Conference Abstracts

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**Cocaine intake affects estrous cycling and correlates with risk-taking behavior in female rats.**

SOCIETY FOR NEUROSCIENCE MEETING, SAN DIEGO, CA.

2022

## Cognitive relationships underlying risky decision making in male and female rats.

INTERNATIONAL SOCIETY FOR BEHAVIORAL NEUROSCIENCE, GLASGOW, SCOTLAND.

2022

## Contributions of ventral tegmental area dopamine neurons to decision making under risk of punishment

SOCIETY FOR NEUROSCIENCE MEETING, SAN DIEGO, CA

2022

## Fentanyl self administration increases risk taking behavior in male rats.

SOCIETY FOR NEUROSCIENCE MEETING, SAN DIEGO, CA.

2022

## Sex differences in dopaminergic regulation of risky decision making.

INTERNATIONAL SOCIETY FOR BEHAVIORAL NEUROSCIENCE, GLASGOW, SCOTLAND.

2022

## Chronic cocaine causes age-dependent increases in risk taking in rats of both sexes.

AMERICAN COLLEGE OF NEUROPSYCHOPHARMACOLOGY, VIRTUAL.

2021

## Cognitive relationships underlying risky decision making in male and female rats.

SOCIETY FOR NEUROSCIENCE, VIRTUAL

2021

## Sex differences in dopaminergic regulation of decision making.

WAGGONER CENTER FOR ALCOHOL AND ADDICTION RESEARCH ADVANCE SYMPOSIUM, UT AUSTIN, VIRTUAL.

2021

## Sex differences in dopaminergic regulation of risky decision making.

SOCIETY FOR NEUROSCIENCE, VIRTUAL

2021

## Temporally-specific inhibition of ventral tegmental area dopamine neurons during decision making under risk of punishment.

SOCIETY FOR NEUROSCIENCE, VIRTUAL

2021

## Honors

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### Associate Member

AMERICAN COLLEGE OF NEUROPSYCHOPHARMACOLOGY

TN, US

2022

### Faculty Travel Grant

THE UNIVERSITY OF TEXAS AT AUSTIN

Austin, US

2022

### Faculty Travel Grant

THE UNIVERSITY OF TEXAS AT AUSTIN

Austin, US

2021

## Funding

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### Reducing alcohol-seeking behavior in a rat model of alcohol dependence

FUNDING: \$353,582

National Institute on Alcohol Abuse  
and Alcoholism, R01AA029386

2022 - 2027

### Examination of fentanyl-induced insensitivity to risk of punishment during decision making and the potential use of methadone and buprenorphine in attenuating risk-taking deficits

FUNDING: \$235,139

National Institute on Drug Abuse,  
R21DA053462

2022 - 2024

### Neural circuits and mechanisms underlying maladaptive risk-taking following cocaine self-administration

FUNDING: \$744,605

National Institute on Drug Abuse,  
R00DA041493

2019 - 2023

## Service

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### National Institute of Mental Health

GRANT REVIEWER, PATHWAY TO INDEPENDENCE AWARDS (K99/R00)

Bethesda, US

2023 - present

### National Institute of Mental Health

GRANT REVIEWER, PATHWAY TO INDEPENDENCE AWARDS (K99/R00)

Bethesda, US

2022 - present

<b>National Institute of Mental Health</b>	<i>Md., US</i>
GRANT REVIEWER, PATHWAY TO INDEPENDENCE AWARDS (K99/R00)	<i>2022 - present</i>
<b>Promotion and Tenure Revamp Committee</b>	<i>Austin, US</i>
MEMBER	<i>2022 - present</i>
<b>Encyclopedia of the Human Brain</b>	<i>N/A, US</i>
Co-SECTION EDITOR	<i>2021 - present</i>
<b>PLoS One</b>	<i>N/A, US</i>
MEMBER	<i>2021 - present</i>
<b>Cerebral Cortex</b>	<i>N/A, US</i>
MANUSCRIPT REVIEWER	<i>2020 - present</i>
<b>Neuropharmacology</b>	<i>N/A, US</i>
MANUSCRIPT REVIEWER	<i>2020 - present</i>
<b>IDEAS Committee</b>	<i>Austin, US</i>
MEMBER	<i>2020 - present</i>
<b>Institutional Biosafety Committee</b>	<i>Austin, US</i>
MEMBER	<i>2020 - present</i>
<b>Behavioral Neuroscience</b>	<i>N/A, US</i>
MANUSCRIPT REVIEWER	<i>2019 - present</i>
<b>Neurobiology of Aging</b>	<i>N/A, US</i>
MANUSCRIPT REVIEWER	<i>2019 - present</i>
<b>Behavioural Brain Research</b>	<i>N/A, US</i>
MANUSCRIPT REVIEWER	<i>2019 - present</i>
<b>Physiology &amp; Behavior</b>	<i>N/A, US</i>
MANUSCRIPT REVIEWER	<i>2019 - present</i>
<b>Psychopharmacology</b>	<i>N/A, US</i>
MANUSCRIPT REVIEWER	<i>2019 - present</i>
<b>Neuropsychopharmacology</b>	<i>N/A, US</i>
MANUSCRIPT REVIEWER	<i>2019 - present</i>
<b>The Journal of Neuroscience</b>	<i>N/A, US</i>
MANUSCRIPT REVIEWER	<i>2019 - present</i>
<b>National Institute on Drug Abuse</b>	<i>Bethesda, US</i>
GRANT REVIEWER, CUTTING-EDGE BASIC RESEARCH AWARDS (R21),	<i>2019 - present</i>
<b>Department Colloquium Committee</b>	<i>Austin, US</i>
CHAIR	<i>2022 - 2023</i>
<b>Executive Committee</b>	<i>Austin, US</i>
MEMBER	<i>2022 - 2023</i>
<b>WM Keck Science Center</b>	<i>Claremont, US</i>
GRANT REVIEWER	<i>2021 - 2021</i>
<b>Executive Committee</b>	<i>Austin, US</i>
MEMBER	<i>2020 - 2021</i>
<b>National Institute on Drug Abuse</b>	<i>Bethesda, US</i>
GRANT REVIEWER, CUTTING-EDGE BASIC RESEARCH AWARDS (R21),	<i>2020 - 2020</i>

Mentoring and Teaching

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MENTORING

<b>Giselle Pedraza</b>	
UNDERGRADUATE RESEARCH MENTOR	2023 - <i>present</i>
<b>Sydney Tu</b>	
UNDERGRADUATE RESEARCH MENTOR	2023 - <i>present</i>
<b>Hannah Cutright</b>	
UNDERGRADUATE RESEARCH MENTOR	2022 - <i>present</i>
<b>Erin Brill</b>	
UNDERGRADUATE RESEARCH MENTOR	2022 - <i>present</i>
<b>Allison Lau</b>	
UNDERGRADUATE RESEARCH MENTOR	2022 - <i>present</i>
<b>Isabelle Tseng</b>	
UNDERGRADUATE RESEARCH MENTOR	2022 - <i>present</i>
<b>Allison Greer</b>	
UNDERGRADUATE RESEARCH MENTOR	2022 - <i>present</i>
<b>Nadia Carlos</b>	
UNDERGRADUATE RESEARCH MENTOR	2022 - <i>present</i>
<b>Alexa-Rae Wheeler</b>	
DISSERTATION SUPERVISOR	2021 - <i>present</i>
<b>April Ju</b>	
UNDERGRADUATE RESEARCH MENTOR	2020 - <i>present</i>
<b>Leah Truckenbrod</b>	
DISSERTATION SUPERVISOR	2020 - <i>present</i>
<b>Kyla Gruenberger</b>	
UNDERGRADUATE RESEARCH MENTOR	2020 - 2022
<b>Megan Thomas</b>	
UNDERGRADUATE RESEARCH MENTOR	2020 - 2022
<b>Merrick Garner</b>	
UNDERGRADUATE RESEARCH MENTOR	2020 - 2022
<b>Adrian Boehnke</b>	
UNDERGRADUATE RESEARCH MENTOR	2020 - 2022
<b>Xinyu Jia</b>	
UNDERGRADUATE RESEARCH MENTOR	2020 - 2021
<b>Stephanie Root</b>	
UNDERGRADUATE RESEARCH MENTOR	2020 - 2021

## TEACHING

<b>Institute for Neuroscience Bootcamp</b>	
INSTRUCTOR	2022 - <i>present</i>
<b>Institute for Neuroscience Bootcamp</b>	
INSTRUCTOR	2021 - <i>present</i>
<b>PSY353</b>	
INSTRUCTOR	2019 - <i>present</i>
<b>PSY353</b>	
INSTRUCTOR	2023 - 2023
<b>PSY353</b>	
INSTRUCTOR	2021 - 2021

