

## Publications

### JOURNAL ARTICLES

1. Agee, L. A., Hilz, E. N., Jun, D., Nemchek, V., Lee, H. J., & Monfils, M.-H. (2023). Patterns of arc mRNA expression in the rat brain following dual recall of fear- and reward-based socially acquired information. *Scientific Reports*, 13(1). <https://doi.org/10.1038/s41598-023-29609-6>
2. Hilz, E. N., & Lee, H. J. (2022). Estradiol and progesterone in female reward-learning, addiction, and therapeutic interventions. *Frontiers in Neuroendocrinology*, 68, 101043. <https://doi.org/10.1016/j.yfrne.2022.101043>
3. Hilz, E. N., Olvera, M. E., Jun, D., Chadha, M., Gillette, R., Monfils, M.-H., Gore, A. C., & Lee, H. J. (2022). Hormonal contraceptives alter amphetamine place preference and responsivity in the intact female rat. *Behavioral Neuroscience*, 136(4), 318–329. <https://doi.org/10.1037/bne0000520>
4. Agee, L. A., Nemchek, V., Malone, C. A., Lee, H. J., & Monfils, M.-H. (2021). Appetitive behavior in the social transmission of food preference paradigm predicts activation of orexin-a producing neurons in a sex-dependent manner. *Neuroscience*, 481, 30–46. <https://doi.org/10.1016/j.neuroscience.2021.11.032>
5. Hilz, E. N., Lewis, S. M., Olshavsky, M. E., Khoury, E. S., Gore, A. C., Monfils, M. H., & Lee, H. J. (2021). Sex differences in conditioned orienting and the role of estradiol in addiction-related behaviors. *Behavioral Neuroscience*, 136(1), 19–29. <https://doi.org/10.1037/bne0000484>
6. González-Martínez, L. F., Abshire, K. M., Padron, W. I., Lee, H. J., & Delville, Y. (2020). Early stress and waiting to respond versus waiting to receive. *Behavioral Neuroscience*, 134(2), 166–176. <https://doi.org/10.1037/bne0000355>

### PREPRINTS

1. Agee, L. A., Hilz, E. N., Jun, D., Nemchek, V., Lee, H. J., & Monfils, M.-H. (2022). *Patterns of arc mRNA expression in the rat brain following dual recall of fear- and reward-based socially acquired information*. <https://doi.org/10.1101/2021.12.30.474464>
2. Hilz, E. N., Agee, L. A., Jun, D., Monfils, M. H., & Lee, H. J. (2021). *Expression patterns of arc mRNA after renewal of appetitive behavior in female rats*. <https://doi.org/10.1101/2021.07.20.453088>
3. Hilz, E. N., Olvera, M., Jun, D., Chadha, M., Gillette, R., Monfils, M.-H., Gore, A. C., & Lee, H. J. (2021). *Hormonal contraceptives alter amphetamine place preference and responsivity in the intact female rat*. <https://doi.org/10.1101/2021.07.28.454029>

### BOOKS

### BOOK CHAPTERS

## Professional Presentations

### Individual differences in reward processing: role of conditioned orienting and endogenous hormones

DEPARTMENT OF PSYCHOLOGY, MICHIGAN STATE UNIVERSITY

2022

### Orienting phenotype as a rat model to study individual differences in reward processing

NEUROSCIENCE PROGRAM STUDENT SEMINAR SERIES, THE UNIVERSITY OF TEXAS MD ANDERSON CANCER CENTER UT HEALTH

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES, HOUSTON TX

2022

### Role of conditioned orienting and endogenous hormones in female drug-preference

PAVLOVIAN SOCIETY MEETING, ANN ARBOR, MI

2021

### Acquisition and extinction of conditioned responses to alcohol-associated cues in rats with a history of ethanol dependence.

44TH ANNUAL RSA SCIENTIFIC MEETING/ISBRA CONGRESS, SAN ANTONIO, TX

2021

### Individual differences in conditioned orienting: implications for substance abuse

COLLOQUIUM TALK AT DEPARTMENT OF BIOLOGICAL SCIENCE, KUNKUK UNIVERSITY, SEOUL KOREA

2021

## Individual differences in cue-directed behavior: conditioned orienting

COGNITIVE NEUROSCIENCE SEMINAR, DEPT OF PSYCHOLOGY, THE UNIVERSITY OF TEXAS AT AUSTIN

2020

## Acquisition and extinction of conditioned responses to alcohol-associated cues in rats with a history of ethanol dependence

WAGGONER CENTER FOR ALCOHOL & ADDICTION RESEARCH, THE UNIVERSITY OF TEXAS AT AUSTIN

2020

## Individual differences in conditioned orienting: implications for substance abuse

THE COLLEGE OF NATURAL SCIENCES' DEAN'S SCHOLARS HONORS PROGRAM, THE UNIVERSITY OF TEXAS AT AUSTIN

2020

## Conference Abstracts

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### CO2 reactivity predicts spontaneous recovery of conditioned food seeking in rats

PAVLOVIAN SOCIETY MEETING, MILWAUKEE, WI

2022

### Conditioned responses to cues associated with alcohol availability in rats with a history of ethanol dependence

PAVLOVIAN SOCIETY MEETING, MILWAUKEE, WI

2022

### Extinction after memory retrieval attenuates alcohol seeking behavior in rats previously exposed to chronic ethanol vapor

ANNUAL RSA SCIENTIFIC MEETING, ORLANDO, FL

2022

### Attenuation of alcohol seeking behavior via retrieval+extinction in a rat model of alcohol dependence.

PAVLOVIAN SOCIETY MEETING, ANN ARBOR, MI

2021

### Modulation of the estrous cycle by hormonal contraceptives influences amphetamine preference and dopamine activity in female rats.

BEHAVIOR, BIOLOGY, AND CHEMISTRY: TRANSLATIONAL RESEARCH IN ADDICTION, ZOOM

2021

### Orexin response to amphetamine in female rats with different cue-directed orienting behavior

PAVLOVIAN SOCIETY MEETING, ANN ARBOR, MI

2021

### Acquisition and extinction of conditioned responses to alcohol-associated cues in rats with a history of ethanol dependence

43RD ANNUAL RSA SCIENTIFIC MEETING/ISBRA CONGRESS, NEW ORLEANS, LA.

2020

### Orexin and dopamine response to amphetamine among female orienteers

BEHAVIOR, BIOLOGY, AND CHEMISTRY: TRANSLATIONAL RESEARCH IN ADDICTION, SAN ANTONIO, TX.

2020

## Honors

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### Wendy Domjan Teaching Excellence Award

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: \$1,250,000

NIH,

2022 - 2027

### Influence of shared experience on relational dynamics and vicarious learning

FUNDING: \$800,000

Directorate for Social, Behavioral &  
Economic Sciences, 2141102

2022 - 2025

### Sex hormones and substance abuse treatment in females

FUNDING: \$20,050

COLA Ransom Faculty Fellows  
research award,

2022 - 2024

## Reducing alcohol-seeking behavior with retrieval+extinction

FUNDING: \$10,000

## Diambiguating networks and factors that promote social transmission of information in rats

FUNDING:

UT VPR Research and Creative

Grant,

2019 - 2021

NSF,

2018 - 2021

## Service

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### The University of Texas at Austin

FACULTY CLIMATE LIAISON

Austin, US

2021 - present

### The University of Texas at Austin

DIVERSITY COMMITTEE CHAIR

Austin, US

2020 - present

### The University of Texas at Austin

GRADUATE STUDENT FELLOWSHIP COMMITTEE

Austin, US

2016 - present

### COLA URAP (Undergraduate Research Apprenticeship Program)

FACULTY ADVISOR

Austin, US

2022 - 2022

### Office of Undergraduate Research

URF GRANT REVIEWER

Austin, US

2022 - 2022

### VPR

RESEARCH AND CREATIVE GRANT REVIEWER

Austin, US

2022 - 2022

### The University of Texas at Austin

GRANT/FELLOWSHIP MOCK REVIEW PANEL

Austin, US

2020 - 2022

### The University of Texas at Austin

AREA HEAD

Austin, US

2018 - 2022

## Mentoring and Teaching

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### MENTORING

#### William Peters

RESEARCH ADVISOR (UNDERGRADUATE)

2023 - present

#### Anagha Deshpande

RESEARCH ADVISOR (UNDERGRADUATE)

2023 - present

#### Ga Hyun Kim

RESEARCH ADVISOR (UNDERGRADUATE)

2023 - present

#### Danny Morgan

RESEARCH ADVISOR (UNDERGRADUATE)

2023 - present

#### Taylor Simmons

PHD ADVISOR

2022 - present

#### Adriana Vasquez

PHD ADVISOR

2022 - present

#### Hunter Kerrigan

RESEARCH ADVISOR (UNDERGRADUATE)

2022 - present

#### Heba Ajmal

RESEARCH ADVISOR (UNDERGRADUATE)

2022 - present

#### Ren Daley

RESEARCH ADVISOR (UNDERGRADUATE)

2022 - present

## Emily Breach

RESEARCH ADVISOR (UNDERGRADUATE)

2022 - present

## Rashi Agarwal

RESEARCH ADVISOR (UNDERGRADUATE)

2022 - present

## Marcelle Olvera

PHD ADVISOR

2020 - present

## Aditi Patel

UNDERGRADUATE RESEARCH ADVISOR

2022 - 2023

## Taylor Knight

HONORS THESIS ADVISOR

2021 - 2022

## Taylor Simmons

SURE AND RESEARCH ADVISOR

2020 - 2022

## Alexander Ekpo-Otu

RESEARCH ADVISOR (HIGH SCHOOL STUDENT)

2021 - 2021

## Megha Chadha

RESEARCH ADVISOR

2020 - 2021

## Kevin Kim

HONORS THESIS ADVISOR

2020 - 2021

## Sarah Jun

RESEARCH ADVISOR

2019 - 2021

## Emily Hilz

PHD ADVISOR

2016 - 2021

## TEACHING

### PSY308, Biopsychology

INSTRUCTOR

2022 - 2022

### PSY359H, Honors Research

INSTRUCTOR

2021 - 2022

### PSY 373N, Neurobiology of Attention

INSTRUCTOR

2020 - 2021

### PSY 353K, Psychopharmacology

INSTRUCTOR

2020 - 2021

### PSY308, Biopsychology

INSTRUCTOR

2020 - 2020