

Publications

JOURNAL ARTICLES

1. Hilz, E. N., Agee, L. A., Jun, D., Monfils, M.-H., & Lee, H. J. (2023). Estrous cycle state-dependent renewal of appetitive behavior recruits unique patterns of arc mRNA in female rats. *Frontiers in Behavioral Neuroscience*, 17. <https://doi.org/10.3389/fnbeh.2023.1210631>
2. Smith, K. A., Raskin, M. R., Donovan, M. H., Raghunath, V., Mansoorshahi, S., Telch, M. J., Shumake, J., Noble-Haeusslein, L. J., & Monfils, M. H. (2023). Examining the long-term effects of traumatic brain injury on fear extinction in male rats. *Frontiers in Behavioral Neuroscience*, 17. <https://doi.org/10.3389/fnbeh.2023.1206073>
3. Raskin, M., Malone, C., Hilz, E. N., Smits, J. A. J., Telch, M. J., Otto, M. W., Shumake, J., Lee, H. J., & Monfils, M.-H. (2023). CO2 reactivity is associated with individual differences in appetitive extinction memory. *Physiology & Behavior*, 266, 114183. <https://doi.org/10.1016/j.physbeh.2023.114183>
4. Agee, L. A., Ortega, M. E., Lee, H. J., & Monfils, M.-H. (2023). Observing a trained demonstrator influences associative appetitive learning in rats. *Royal Society Open Science*, 10(4). <https://doi.org/10.1098/rsos.221224>
5. 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>
6. Monfils, M.-H., & Domjan, M. (2022). The elegant complexity of fear in non-human animals. *Emerging Topics in Life Sciences*, 6(5), 445–455. <https://doi.org/10.1042/etls20220001>
7. Monfils, M.-H., Lee, H. J., Cofresí, R. U., & Gonzales, R. A. (2022). Friend recollections, and a collection of collaborations with nadia. *Frontiers in Behavioral Neuroscience*, 16. <https://doi.org/10.3389/fnbeh.2022.954906>
8. Monfils, M.-H. (2022). The high road to inhibiting fear memories. *Biological Psychiatry*, 92(2), 102–103. <https://doi.org/10.1016/j.biopsych.2022.05.005>
9. 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>
10. Smits, J. A. J., Monfils, M.-H., Otto, M. W., Telch, M. J., Shumake, J., Feinstein, J. S., Khalsa, S. S., Cobb, A. R., Parsons, E. M., Long, L. J., McSpadden, B., Johnson, D., & Greenberg, A. (2022). CO2 reactivity as a biomarker of exposure-based therapy non-response: Study protocol. *BMC Psychiatry*, 22(1). <https://doi.org/10.1186/s12888-022-04478-x>
11. Agee, L. A., Nemchek, V., Malone, C. A., Lee, H. J., & Monfils, M.-H. (2022). 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>
12. Nemchek, V., Agee, L. A., Malone, C. A., Raskin, M., Seese, S., & Monfils, M. H. (2021). Altering perceived context: Transportation cues influence novelty-induced context exploration. *Frontiers in Behavioral Neuroscience*, 15. <https://doi.org/10.3389/fnbeh.2021.714927>
13. Hilz, E. N., Lewis, S. M., Olshavsky, M. E., Khoury, E. S., Gore, A. C., Monfils, M. H., & Lee, H. J. (2022). 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>
14. Gershman, S. J., Jones, C. E., Norman, K. A., Monfils, M.-H., & Niv, Y. (2021). Corrigendum: Gradual extinction prevents the return of fear: Implications for the discovery of state. *Frontiers in Behavioral Neuroscience*, 15. <https://doi.org/10.3389/fnbeh.2021.786900>
15. Monfils, M.-H. (2022). Song, monfils, jones, and niv. Explaining the effectiveness of fear extinction through latent-cause inference. *Neurons Behavior Data Analysis & Theory Journal*.

PREPRINTS

1. Seese, S., Tinsley, C. E., Wulffraat, G., Hixon, J. G., & Monfils, M. H. (2023). *Conspecific interactions predict social transmission of fear in female rats*. <https://doi.org/10.21203/rs.3.rs-2958174/v1>

2. Smits, J. A. J., Monfils, M.-H., Otto, M. W., Telch, M. J., Shumake, J., Feinstein, J. S., Khalsa, S. S., Cobb, A. R., Parsons, E. M., Long, L. J., McSpadden, B., Johnson, D., Greenberg, A., & Consortium, E. T. C. T. (2022). *CO2 reactivity as a biomarker of exposure-based therapy non-response: Study protocol*. <https://doi.org/10.21203/rs.3.rs-2298817/v1>
3. 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>
4. Song, M., Jones, C., Monfils, M.-H., & Niv, Y. (2021). *Explaining the effectiveness of fear extinction through latent-cause inference*. <https://doi.org/10.31234/osf.io/2fhr7>
5. 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>
6. 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

1. Monfils, M.-H. (2023). *Social beasts: Learning vicariously to flexibly adapt to a changing world*. Princeton University Press.

BOOK CHAPTERS

1. Monfils, M.-H. (2022). Reconsolidation and fear extinction: An update. In *Current topics in behavioral neurosciences (CTBN)*. Mohamed milad and seth norrholm, editors.
2. Raskin, M., & Monfils, M.-H. (2023). Reconsolidation and fear extinction: An update. In *Current topics in behavioral neurosciences* (pp. 307–333). Springer International Publishing. https://doi.org/10.1007/7854_2023_438
3. Monfils, M.-H. (2021). How can intrusive thinking be conceptualized at the level of psychological mechanisms? In *Ernst strungmann forum book intrusive thinking across neuropsychological disorders*.
4. Monfils, M.-H. (2021). Neuropsychological mechanisms of intrusive thinking. In *In ernst strungmann forum book intrusive thinking across neuropsychological disorders*.

Professional Presentations

Last call for alcohol

MILWAUKEE

2022

Individual differences and social transfer of information

THE UNIVERSITY OF CALGARY

2022

Individual differences and social transfer of knowledge

THE UNIVERSITY OF IOWA

2022

Individual differences and social transfer of knowledge

CAMBRIDGE UNIVERSITY

2021

Assessing individual differences to optimize fear attenuation

WAYNE STATE UNIVERSITY

2021

Conference Abstracts

CO2 reactivity predicts extinction phenotype in a Pavlovian appetitive paradigm

RSA

2023

Effects of oral hormonal contraceptives on amphetamine extinction learning in female rats.

BEHAVIOR, BIOLOGY, AND CHEMISTRY

2023

Retrieval+extinction prevents the return of alcohol seeking in female rats

RSA

2023

CO2 reactivity predicts extinction phenotype in a Pavlovian appetitive paradigm

PAVLOVIAN SOCIETY

2022

Impact of dominance on fear conditioning by proxy in female rats

PAVLOVIAN SOCIETY

2022

Retrieval+extinction prevents the return of alcohol seeking in female rats

PAVLOVIAN SOCIETY

2022

Honors _____

Funding _____

Reducing alcohol-seeking behavior in a rat model of alcohol dependence- Co-I

FUNDING: \$1,964,345

NIH,
2022 - 2027

1/2: CO2 Reactivity as a Biomarker of Non-response to Exposure-based Therapy

FUNDING: \$763,817

NIMH, R01MH125951
2022 - 2027

Influence of shared experience on relational dynamics and vicarious learning

FUNDING: \$800,000

Directorate for Social, Behavioral &
Economic Sciences, 2141102
2022 - 2025

Disambiguating networks and factors that promote social transmission of information in rats

FUNDING: \$472,297

Directorate for Social, Behavioral &
Economic Sciences, 1748911
2018 - 2021

Service _____

Neurobiology of Learning and Memory

EDITOR

Austin, US
2023 - present

Learning and Behavior

EDITOR

Austin, US
2023 - present

Hiring Plan Committee

MEMBER

Austin, US
2022 - present

P&T Revamp Committee

CHAIR

Austin, US
2022 - present

VPR's office

GRANT REVIEWER

Austin, US
2021 - present

Staff Excellence Award Committee

MEMBER

Austin, US
2021 - present

SAGES

ADVISORY COUNCIL MEMBER

Austin, US
2020 - present

Department of Psychology

EXECUTIVE COMMITTEE MEMBER-PSYCHOLOGY

Austin, US
2019 - present

Department of Psychology

ASSOCIATE CHAIR FOR RESEARCH AND OPERATIONS

Austin, US
2019 - present

Teaching Award Committee

MEMBER

Austin, US
2019 - present

Animal Research Center Faculty Advisory Committee

CHAIR

Austin, US
2017 - present

Provost Faculty Mentoring Program

MENTOR

Austin, US

2022 - 2023

Swiss National Science Foundation

GRANT REVIEWING

Bern, CH

2021 - 2022

The University of Texas at Austin

CoLA COVID 19 RESPONSE; RESEARCH REOPENING COMMITTEE

Austin, US

2020 - 2022

The University of Texas at Austin

CoLA COVID 19 RESPONSE; RESEARCH REOPENING BUILDING COORDINATOR FOR SEA BUILDING

Austin, US

2020 - 2022

NIMH

R01 REVIEWING

Bethesda, US

2018 - 2022

Scientific Reports

EDITORIAL BOARD

Austin, US

2017 - 2022

Frontiers in Behavioral Neuroscience

EDITORIAL BOARD

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Institute for Neuroscience

GRADUATE ADVISER

Austin, US

2018 - 2021

Institute for Neuroscience

EXECUTIVE COMMITTEE MEMBER-INSTITUTE FOR NEUROSCIENCE

Austin, US

2018 - 2021

Mentoring and Teaching

MENTORING

Ally McBroom

UNDERGRADUATE MENTOR

2023 - present

Stuti Mehta

UNDERGRADUATE MENTOR

2022 - present

Rabia Khan

UNDERGRADUATE MENTOR

2022 - present

Michael Pasala

UNDERGRADUATE MENTOR

2022 - present

Adeena Khan

UNDERGRADUATE MENTOR

2022 - present

Grace Wulffraat

UNDERGRADUATE STUDENT

2021 - 2023

Tyler Milewski

COMMITTEE MEMBER

2022 - 2022

Sydney Seese

GRADUATE MENTOR

2020 - 2022

Miriam Ortega

UNDERGRADUATE HONORS STUDENT

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Marissa Raskin

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2018 - 2022

Kylee Smith

DISSERTATION SUPERVISOR

2018 - 2022

Sun Chong

UNDERGRADUATE STUDENT

2020 - 2021

Victoria Nemchek

GRADUATE MENTOR

2019 - 2021

Emily Hilz

COMMITTEE MEMBER

2015 - 2021

Laura Agee

DISSERTATION SUPERVISOR

2015 - 2021

TEACHING

Psychology 371

INSTRUCTOR

2019 - 2022