

Publications

JOURNAL ARTICLES

1. 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>
2. 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>
3. 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>
4. 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>
5. 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>
6. 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>
7. 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>
8. 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>
9. Lancaster, C. L., Monfils, M.-H., & Telch, M. J. (2020). Augmenting exposure therapy with pre-extinction fear memory reactivation and deepened extinction: A randomized controlled trial. *Behaviour Research and Therapy*, 135, 103730. <https://doi.org/10.1016/j.brat.2020.103730>
10. Blujus, J. K., Prevalaska, I., Quevedo, S. F., Auchter, A., Korthauer, L. E., Dunk, M. M., Monfils, M. H., & Driscoll, I. (2020). Updating mechanisms using an olfactory cue were not successful in improving memory in a rodent model of cognitive aging or in older adults. *Psychology & Neuroscience*, 13(3), 406–423. <https://doi.org/10.1037/pne0000209>
11. Auchter, A. M., Barrett, D. W., Monfils, M. H., & Gonzalez-Lima, F. (2020). Methylene blue preserves cytochrome oxidase activity and prevents neurodegeneration and memory impairment in rats with chronic cerebral hypoperfusion. *Frontiers in Cellular Neuroscience*, 14. <https://doi.org/10.3389/fncel.2020.00130>
12. Monfils, M.-H. (2022). CO2 reactivity as a biomarker of exposure-based therapy non-response: Study protocol. *BMC Psychiatry*.
13. Monfils, M.-H. (2022). Explaining the effectiveness of fear extinction through latent-cause inference. *Neurons Behavior Data Analysis & Theory Journal*.

PREPRINTS

1. 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>
2. 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>
3. 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>
4. 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>

5. 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. 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*.
3. Monfils, M.-H. (2021). Neuropsychological mechanisms of intrusive thinking. In *In ernst strungmann forum book intrusive thinking across neuropsychological disorders*.

Professional Presentations

Individual differences and social transfer of knowledge.

CAMBRIDGE UNIVERSITY

2021

Assessing individual differences to optimize fear attenuation.

WAYNE STATE UNIVERSITY

2021

Conference Abstracts

Honors

Funding

Reducing alcohol-seeking behavior in a rat model of alcohol dependence- Co-I (pending; 1st percentile)

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

The University of Texas at Austin

UNDERGRADUATE MENTOR

Austin, US

2022 - present

The University of Texas at Austin

GRANT REVIEWER

Austin, US

2022 - present

The University of Texas at Austin MEMBER	Austin, US 2022 - present
The University of Texas at Austin CHAIR	Austin, US 2022 - present
The University of Texas at Austin MEMBER	Austin, US 2021 - present
The University of Texas at Austin ADVISORY COUNCIL MEMBER	Austin, US 2020 - present
The University of Texas at Austin ASSOCIATE CHAIR FOR RESEARCH AND OPERATIONS	Austin, US 2019 - present
The University of Texas at Austin EXECUTIVE COMMITTEE MEMBER-PSYCHOLOGY	Austin, US 2019 - present
The University of Texas at Austin MEMBER	Austin, US 2019 - present
The University of Texas at Austin CHAIR OF ANIMAL RESEARCH CENTER FACULTY ADVISORY COMMITTEE	Austin, US 2017 - present
The University of Texas at Austin 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	Bethesda, US 2018 - 2022
University of Texas at Austin SCIENCE REPORTS	Austin, US 2017 - 2022
University of Texas at Austin FRONTIERS IN BEHAVIORAL NEUROSCIENCE	Austin, US 2010 - 2022
The University of Texas at Austin EXECUTIVE COMMITTEE MEMBER-INSTITUTE FOR NEUROSCIENCE	Austin, US 2018 - 2021
The University of Texas at Austin GRADUATE ADVISER	Austin, US 2018 - 2021

Mentoring and Teaching

MENTORING

Miriam Ortega UNDERGRADUATE HONORS STUDENT	NA - present
Michael Pasala UNDERGRADUATE MENTOR	2022 - present
Grace Wulffraat UNDERGRADUATE STUDENT	2021 - 2023
Tyler Milewski COMMITTEE MEMBER	2022 - 2022

Sydney Seese GRADUATE MENTOR	2020 - 2022
Kylee Smith DISSERTATION SUPERVISOR	2018 - 2022
Marissa Raskin SUPERVISOR	2018 - 2022
Sun Chong UNDERGRADUATE STUDENT	2020 - 2021
Victoria Nemchek GRADUATE MENTOR	2019 - 2021
Laura Agee DISSERTATION SUPERVISOR	2015 - 2021
Emily Hilz COMMITTEE MEMBER	2015 - 2021
TEACHING	
Psychology 371 INSTRUCTOR	2019 - 2022