

Publications

JOURNAL ARTICLES

1. Ray, K. L., Griffin, N. R., Shumake, J., Alario, A., Allen, J. J. B., Beevers, C. G., & Schnyer, D. M. (2023). Altered electroencephalography resting state network coherence in remitted MDD. *Brain Research*, 1806, 148282. <https://doi.org/10.1016/j.brainres.2023.148282>
2. Don, H. J., Davis, T., Ray, K. L., McMahon, M. C., Cornwall, A. C., Schnyer, D. M., & Worthy, D. A. (2022). Neural regions associated with gain-loss frequency and average reward in older and younger adults. *Neurobiology of Aging*, 109, 247–258. <https://doi.org/10.1016/j.neurobiolaging.2021.10.001>
3. Meier, S. K., Ray, K. L., Mastan, J. C., Salvage, S. R., & Robin, D. A. (2021). Meta-analytic connectivity modelling of deception-related brain regions. *PLOS ONE*, 16(8), e0248909. <https://doi.org/10.1371/journal.pone.0248909>
4. Aytur, S. A., Ray, K. L., Meier, S. K., Campbell, J., Gendron, B., Waller, N., & Robin, D. A. (2021). Neural mechanisms of acceptance and commitment therapy for chronic pain: A network-based fMRI approach. *Frontiers in Human Neuroscience*, 15. <https://doi.org/10.3389/fnhum.2021.587018>
5. Ramage, A. E., Ray, K. L., Franz, H. M., Tate, D. F., Lewis, J. D., & Robin, D. A. (2021). Cingulo-opercular and frontoparietal network control of effort and fatigue in mild traumatic brain injury. *Frontiers in Human Neuroscience*, 15. <https://doi.org/10.3389/fnhum.2021.788091>
6. Meier, S. K., Ray, K. L., Waller, N. C., Gendron, B. C., Aytur, S. A., & Robin, D. A. (2020). Network analysis of induced neural plasticity post-acceptance and commitment therapy for chronic pain. *Brain Sciences*, 11(1), 10. <https://doi.org/10.3390/brainsci11010010>

PREPRINTS

1. Ray, K. L., Shumake, J., Laird, A., Beevers, C. G., & Schnyer, D. M. (2022). *Reduced network connectivity in healthy children with maternal history of depression in the ABCD cohort*. <https://doi.org/10.31234/osf.io/jwcqk>
2. Ray, K. L., Griffin, N., Shumake, J., Alario, A., Allen, J. B., Beevers, C. G., & Schnyer, D. M. (2021). *Altered electroencephalography resting state network coherence in remitted MDD*. <https://doi.org/10.31234/osf.io/ywqvz>
3. Don, H., Davis, T., Ray, K. L., McMahon, M., Cornwall, A., Schnyer, D. M., & Worthy, D. A. (2020). *Neural representations of gain-loss frequency in older and younger adults*. <https://doi.org/10.31234/osf.io/uenvf>

BOOKS

BOOK CHAPTERS

1. Aytur, S. A., Roy, G., Doyle, M., Ray, K. L., Meier, S. K., & Robin, D. A. (2022). Linking fMRI, pain, and addictions. In *Handbook of substance misuse and addictions* (pp. 1–31). Springer International Publishing. https://doi.org/10.1007/978-3-030-67928-6_33-1

Professional Presentations

Meta-Graph Theory Modeling

UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER SAN ANTONIO, DEPARTMENT OF RADIOLOGICAL SCIENCES, SAN ANTONIO, TX

2022

Understanding brain network dysfunction in clinical populations

UNIVERSITY OF NEW HAMPSHIRE, DEPARTMENT OF BIOLOGICAL SCIENCES, DURHAM, NEW HAMPSHIRE

2022

Reliability of resting state connectivity networks in individuals with elevated depression severity

DALLAS AUSTIN AREA MEMORY MEETING

2020

Reliability of resting state connectivity networks in individuals with elevated depression severity

VIRTUAL MEETING

2020

Conference Abstracts

Altered resting state network coherence in remitted MDD

OHBM

2021

Meta-analytic connectivity modelling of deception-related brain regions

OHBM

2021

Relationship between elevated depressive symptoms, brain volume, and negative attention bias

OHBM

2021

Graph theory analysis of chronic pain patients pre and post Acceptance and Commitment Therapy

OHBM

2020

Neural foundations of chronic pain: an ALE meta-analysis of regional brain activation

OHBM

2020

Reliability of resting state connectivity networks in individuals with elevated depression severity

OHBM

2020

Honors

Funding

Service

Mentoring and Teaching

MENTORING

Lauren Keith

MASTERS COMMITTEE MEMBER

2022 - present

Samantha Natal

RESEARCH ASSISTANT ADVISOR

2021 - present

Grace Jumonville

UNDERGRADUATE RESEARCH ADVISOR

2021 - 2022

Rachel Kline

UNDERGRADUATE RESEARCH ADVISOR

2022 - 2022

Megan McMahon

DISSERTATION COMMITTEE MEMBER

2018 - 2022

Angela Castillo

VOLUNTEER RESEARCH ADVISOR

2020 - 2021

Javaria Baig

VOLUNTEER RESEARCH ADVISOR

2020 - 2021

TEACHING

Introduction to Statistical Methods (PSY420M)

LAB INSTRUCTOR

2021 - 2021