

# Saren H. Seeley, Ph.D.

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## EDUCATION

2021	Ph.D.	Clinical Psychology · University of Arizona	Tucson, AZ, US
		Predoctoral Internship · Health Service Psychology · Pittsburgh VA	Pittsburgh, PA, US
2016	M.A.	Clinical Psychology · University of Arizona	Tucson, AZ, US
2013	B.A.	Psychology · CUNY Hunter College	New York, NY, US
2008	Certif.	Neighborhood Playhouse School of Theatre	New York, NY, US

## HONORS & AWARDS

2020	PEO Scholar Award (\$20,000) · PEO International
2019	Data Science Ambassador · University of Arizona College of Science
2019	Clinical Science Student Training Award · Academy of Psychological Clinical Science
2019	Galileo Scholar Award · University of Arizona College of Science
2019	Selected to attend Neurohackademy 2019 · University of Washington eScience Institute
2017	Science Alliance Leadership Training Program Fellow · New York Academy of Sciences
2017	NSF GRFP (Honorable Mention) · National Science Foundation
2015	Student Poster Award · Society for Psychophysiological Research
2015	Student Travel Award · Society for Psychophysiological Research
2015	Travel Award · University of Arizona Graduate and Professional Student Council
2013	Undergraduate Research Initiative Fellowship · CUNY Hunter College

## RESEARCH SUPPORT

2019-20	National Institute on Aging · Ruth L. Kirschstein NRSA Individual Predoctoral Fellowship 1F31AG062067: <i>"Dynamic functional connectivity as a neurobiological mechanism of adaptation in widowed older adults"</i> (\$43,081)
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## PROFESSIONAL EXPERIENCE – RESEARCH

2021--	<b>Icahn School of Medicine at Mount Sinai</b> · Postdoctoral Research Fellow fMRI and behavioral investigation of PTSD and psychological resilience in 9/11 World Trade Center responders (PIs: Adriana Feder, M. Mercedes Perez-Rodriguez, Daniela Schiller). New York, NY, US
2015-19	<b>University of Arizona</b> · Graduate Research Assistant Resting state fMRI and behavioral investigation of prolonged grief disorder in the Grief, Loss, and Social Stress Lab (PI: Mary-Frances O'Connor). Tucson, AZ, US
2013-15	<b>CUNY Hunter College</b> · Postbaccalaureate Research Assistant Senior research assistant and fMRI coordinator/analyst for the Regulation of Emotions in Anxiety and Depression Lab (PI: Douglas Mennin). New York, NY, US

- 2014 **CUNY Hunter College** · *Postbaccalaureate Research Assistant* New York, NY, US  
Research assistant for the Stress and Coping Lab (PI: Michael A. Hoyt).
- 2012-13 **CUNY Hunter College** · *Undergraduate Research Assistant* New York, NY, US  
Undergraduate research assistant and honors thesis student in the Regulation of Emotions in Anxiety and Depression Lab (PI: Douglas Mennin).

## PROFESSIONAL EXPERIENCE – CLINICAL

- 2020-21 **VA Pittsburgh Medical Center** · *Predoctoral Intern in Health Service Psychology* Pittsburgh, PA, US  
Rotations: geriatric neuropsychology; substance use disorders; serious mental illness.  
Interventions: CBT, CBT-P, SST, ACT, MI, Seeking Safety.  
Settings: Outpatient (individual & group); Residential (group).
- 2018-20 **Banner University Medical Center** · *Extern, Early Psychosis Intervention Center* Tucson, AZ, US  
Interventions: CBT for psychosis (CBT-P), Social Skills Training (SST)  
Setting: Outpatient (individual, family, & group).
- 2018-20 **Banner University Medical Center** · *Extern, Cystic Fibrosis Clinic (Pulmonology)* Tucson, AZ, US  
Interventions: ACT, brief interventions, consultation-liaison services.  
Setting: Outpatient (individual & group), Medical inpatient (individual).
- 2016-17 **University of Arizona** · *Graduate Student Therapist, Behavioral Health Clinic* Tucson, AZ, US  
Interventions: CBT, ACT.  
Setting: Outpatient (individual).

### *Clinical Rater/Structured Clinical Assessment:*

- 2021- **Icahn School of Medicine at Mount Sinai** New York, NY, US  
PTSD clinical trial and research (SCID-5, CAPS-5, MADRS)
- 2016-20 **Banner University Medical Center/University of Arizona** Tucson, AZ, US  
OCD clinical trial; MDD research (SCID-5, YBOCS, MADRS, HAM-D)
- 2013-15 **CUNY Hunter College** New York, NY, US  
GAD open trial and research (SCID-IV)

### *Licensure:*

- 2022-23 **New York State – Limited Permit in Psychology** (#68-P116694-01) New York, NY, US  
NYS licensure expected by Fall 2023.

## PROFESSIONAL EXPERIENCE – TEACHING

- 2022 **Icahn School of Medicine at Mount Sinai** · *Guest Lecturer* New York, NY, US  
Two guest lectures on grief and prolonged grief disorder for psychiatry PGY3 resident didactics.
- 2016-19 **University of Arizona** · *Graduate Teaching Assistant* Tucson, AZ, US  
Psychotherapy Interventions: Acceptance and Commitment Therapy (graduate; Spr. 19)  
Psychotherapy Interventions: Cognitive Behavioral Therapy (graduate; Fa. 18)  
Developmental Psychology (undergraduate; Spr. 17)  
Mind, Brain, & Behavior (undergraduate; Fa. 16)  
Introduction to Psychology (undergraduate; Spr. 16)

### *Technical Trainings:*

- 2022 **Icahn School of Medicine at Mount Sinai** New York, NY, US  
“Using Minerva (HPC) to Preprocess Data with fMRIprep”
- 2019 **Neurohackademy Summer Institute** Seattle, WA, US  
“Intro to MRIQC for fMRI Quality Control” (breakout session)

	<b>University of Arizona</b>	Tucson, AZ, US
2020	"The Brain Imaging Data Structure (BIDS) Ecosystem and fMRIPrep"	
2019	Software/Data Carpentries workshop · <i>Teaching Assistant</i>	
2019	"Getting Started with BIDS and fMRIPrep"	
2018	"Introduction to the Brain Imaging Data Structure (BIDS) and fMRIPrep"	
<i>Extramural Didactics:</i>		
2018	<b>Banner-UMC Pediatric Pulmonary Center</b> · <i>Invited Presenter</i> "Understanding LGBTQ+ Students, for School Healthcare Professionals"	Tucson, AZ, US
2018	<b>Banner-UMC Pediatric Pulmonary Center</b> · <i>Invited Presenter</i> "Self-Care for Caregivers"	Tucson, AZ, US
2017	<b>La Frontera Center</b> · <i>Guest Presenter</i> "Improving Behavioral Health for People with Cystic Fibrosis"	Tucson, AZ, US

## PUBLICATIONS

### Journal articles

- 2023 Provins, C., MacNicol, E., Hagemann, P., **Seeley, S.H.**, & Esteban, O. (In press). Quality Control in functional MRI studies with MRIQC and fMRIPrep. *Frontiers in Neuroimaging*. doi:10.3389/fnimg.2022.1073734
- 2023 **Seeley, S.H.**, Andrews-Hanna, J.R., Allen, J.J.B., & O'Connor, M-F. Dwelling in prolonged grief: Resting state functional connectivity during oxytocin and placebo administration. *Human Brain Mapping*, 1-13. doi:10.1002/hbm.26071
- 2022 O'Connor, M-F. & **Seeley, S.H.** Grieving as a form of learning: Insights from neuroscience applied to grief and loss. *Current Opinion in Psychology*, 43, 317-322.
- 2019 Scult, M.A., Fresco, D.M., Gunning, F.M., Liston, C., **Seeley, S.H.**, Garcia, E. & Mennin, D.S. Changes in functional connectivity following treatment with Emotion Regulation Therapy. *Frontiers in Behavioral Neuroscience*, 13, 10. doi:10.3389/fnbeh.2019.00010
- 2018 **Seeley, S.H.**, Chou, Y.-H., & O'Connor, M.-F. (2018). Intranasal oxytocin and *OXTR* genotype effects on resting state functional connectivity: A systematic review. *Neuroscience and Biobehavioral Reviews*, 1-17. doi:10.1016/j.neubiorev.2018.09.011
- 2017 Renna, M.E., **Seeley, S.H.**, Heimberg, R.G., Etkin, A., Fresco, D.M., Mennin, D.S. Increased attention regulation from Emotion Regulation Therapy for generalized anxiety disorder. *Cognitive Therapy and Research*, 42(2), 121-134. doi:10.1007/s10608-017-9872-7
- 2017 Renna, M.E., Chin, S., **Seeley, S.H.**, Fresco, D.M., Heimberg, R.G., & Mennin, D.S. The use of the mirror tracing persistence task as a measure of distress tolerance in generalized anxiety disorder. *Journal of Rational Emotive & Cognitive-Behavior Therapy*, 36(1), 80-88. doi:10.1007/s10942-017-0274-2
- 2017 Fresco, D.M., Roy, A.K., Adelsberg, S., **Seeley, S.H.**, García-Lesy, E., Liston, C. & Mennin, D.S. (2017). Distinct functional connectivities predict clinical response with Emotion Regulation Therapy. *Frontiers in Human Neuroscience*, 11, 1-13. doi:10.3389/fnhum.2017.00086
- 2017 **Seeley, S.H.**, Yanez, B., Stanton, A.L. & Hoyt, M.A. (2017). Emotional approach and heart rate variability following an emotional processing intervention. *Cognition and Emotion* 31(5), 988-994. doi:10.1080/02699931.2016.1170667
- 2015 **Seeley, S.H.**, Mennin, D.S., Aldao, A., McLaughlin, K.A., Rottenberg, J., & Fresco, D.M. (2015). Impact of comorbid depression on subjective and physiological responses to emotion in generalized anxiety disorder. *Cognitive Therapy and Research*, 1-14. doi:10.1007/s10608-015-9744-y
- 2015 **Seeley, S.H.**, García, E., & Mennin, D.S. (2015). Recent advances in laboratory assessment of emotion regulation. *Current Opinion in Psychology*, 3, 58-63. doi:10.1016/j.copsyc.2015.02.009

*Under review:*

Arizmendi, B.J., **Seeley, S.H.**, Allen, J.J.B., Killgore, W.D.S., Andrews-Hanna, J. & O'Connor, M.F. Feeling a pull to be close: The effect of oxytocin on approach and avoidance in complicated grief. (*Initial submission*).

Norbury, A., **Seeley, S.H.**, Perez-Rodriguez, M.M., & Feder, A. Functional neuroimaging of resilience to trauma: convergent evidence and challenges for future research. (*Resubmission*).

### Book chapters

- 2023 **Seeley, S. H.\***, Boukezzi, S.\*, DePierro, J. M., Charney, D. S., & Feder, A. (In press). Biological mechanisms of stress resilience: Human and animal studies. In *Charney and Nestler's Neurobiology of Mental Illness* (eds. Charney, D.S, Nestler, E.J., Buxbaum, J.D., Binder, E., Gordon, J.A., and Picciotto, M.) (6th ed.). Oxford University Press.

\*co-first author

### Editorial and science writing

- 2022 **Seeley, S. H.**, & O'Connor, M-F. (2022, May 25). "Seeing Grieving as Learning Explains Why the Process Takes Time." *AEON+Psyche Magazine*. <https://psyche.co/ideas/seeing-grieving-as-learning-explains-why-the-process-takes-time>
- 2021 **Seeley, S. H.** (2021, December 21). "The Indifference Point." *The Xylom*. <https://www.thexylom.com/post/the-indifference-point>

### PRESENTATIONS

- 2021 **Seeley, S. H.** & O'Connor, M-F. (2021, January). *Patterns of static and dynamic functional connectivity associated with oxytocin and complicated grief in older adults*. Presentation for the Neurobiology of Grief International Network (NOGIN) Social Neuroscience of Grief conference.
- 2020 **Seeley, S. H.** & O'Connor, M-F. (2020, January). *Complicated grief and resting state functional connectivity in older adults*. Presentation for the Neurobiology of Grief International Network (NOGIN) Social Neuroscience of Grief conference.
- 2017 Fresco, D. M., Roy, A. K., Adelsberg, S., **Seeley, S.H.**, Garcia, E., Liston, C., Mennin, D. S. (2017, November). *Distinct functional connectivities predict clinical response with Emotion Regulation Therapy*. In M. T. Moore (Chair), Mechanisms of change in mindfulness-based interventions. Symposium presented at the annual meeting of the Association of Behavioral and Cognitive Therapies, San Diego, CA.
- 2015 **Seeley, S.H.**, Mennin, D.S., Heimberg, R.G., Fresco, D.M., & Etkin, A. (2015, November). *Conflict adaptation and attentional change in Emotion Regulation Therapy for generalized anxiety disorder*. In S. Steinman & L. Hallion (Chairs). Neurocognitive Underpinnings of Anxiety: Implications for Theory and Treatment. Symposium presented at the annual meeting of the Association for Behavioral and Cognitive Therapies, Chicago, IL.
- 2015 **Seeley, S.H.**, Abbas, M., Mennin, D.S., Aldao, A., & Fresco, D.M. (2015, May). *Common and specific patterns of autonomic and subjective responsivity among the distress disorders*. In A. Aldao & S. Hofmann (Chairs), Emotion Regulation & Psychopathology: Identifying Transdiagnostic and Disorder-Specific Deficits. Symposium presented at the annual meeting of the Association Psychological Science, New York, NY.
- 2014 **Seeley, S.H.**, Mankus, A.M., Renna, M., Cooper, S.E., Mennin, D.S., Fresco, D.M., & Heimberg, R.G. (2014, March). *Emotion Regulation Therapy for generalized anxiety disorder: Effects on response inhibition to task-irrelevant emotional content*. In A. Aldao & D. Klemanski (Chairs), Emotion Regulation Flexibility in the Treatment of Anxiety Disorders. Symposium presented at the annual meeting of the Anxiety and Depression Association of America, Chicago, IL.
- 2014 Garcia, E., **Seeley, S.H.**, Quintero, J.M., Fonseca, L., Mennin, D.S. (2014, November). *Electrocortical and autonomic indices of self-referential processing*. In S. Berthod & E. Garcia (Chairs). Biosignatures of Affective Psychopathology: Insights from Psychophysiological Measures of Emotional Processing.

Symposium presented at the annual meeting of the Association for Behavioral and Cognitive Therapies, Philadelphia, PA.

### Poster presentations

- 2023 Provins, C., Schöttner, M., Dayan, M., Nastase, V., Lunde, J., Benach, O. M., MacNicol, E., Savary, E., **Seeley, S. H.**, Hagen, M. P., Zou, Y., Hagmann, P. & Esteban, O. (2023). *Signal-To-Noise Ratio Estimates Predict Head Motion Presence in T1-Weighted MRI*. Submitted for the 2023 annual meeting of the Organization for Human Brain Mapping. doi.org/10.31219/osf.io/7vqzr
- 2023 Leska, T., Schreiber, Z., Astorino, E., Verghese, M., **Seeley, S.H.**, Cahn, L., Aaronson, C., Brinkman, H., Kowalchuk, M., Boettche, M., Knaevelsrud, C., Pietrzak, R.H., Feder, A. *Linguistic Predictors of Response to Internet-Based Written CBT for PTSD in 9/11 World Trade Center Responders and Survivors*. Poster accepted for the annual meeting of the Anxiety and Depression Association of America, April 2023, Washington D.C..
- 2022 **Seeley, S.H.**, Schreiber, Z., Verghese, M., Leska, L.S., Astorino, E., Morris, L.S., Hermans, E., Pietrzak, R.H., Perez-Rodriguez, M.M. & Feder, A. *Greater Social Cognition-related Right Temporal Pole Activation in World Trade Center Responders with PTSD: Preliminary Evidence*. Poster presented at the annual meeting of the American College of Neuropsychopharmacology, December 2022, Phoenix AZ.
- 2020 Friedman, S.E., Palitsky, R.P., Ruiz, J., Wilson, D.T., **Seeley, S.H.**, Kassman, L.E., Sullivan, D., O'Connor, M-F. *Grief-Relevant Emotional Interview Induces Elevated Blood Pressure in Bereaved Older Adults*. Poster presented at the annual meeting of the American Psychosomatic Society, March 2020, Long Beach CA.
- 2019 **Seeley, S.H.**, Arizmendi, B.A., O'Connor, M-F. *Desperately Seeking: Precentral Gyrus Linked to a Cuneus-Precuneus Resting State Network in Complicated Grief*. Poster presented at the annual meeting of the Society for Psychophysiological Research, October 2019, Washington DC.
- 2018 Quintero, J.M., **Seeley, S.H.**, Renna, M.R., & Mennin, D.S. *Indices of Trait Emotionality and Emotion Regulation: A Concordance Study Between Myoelectrical Gastric Reactivity and Heart Rate Variability*. Poster presented at the annual meeting of the Society for Psychophysiological Research, October 2018, Quebec City, Quebec, Canada.
- 2017 Quintero, J.M., **Seeley, S.H.**, Renna, M.R., & Mennin, D.S. *Trait Indices of Emotionality and Emotion Regulation: An Examination of Individual Differences in Emotional Processing and Myoelectrical Gastric Reactivity*. Poster presented at the annual meeting of the Association for Behavioral and Cognitive Therapies, November 2017, San Diego, CA.
- 2017 Quintero, J.M., **Seeley, S.H.**, Renna, M.E., & Mennin, D.S. *Links Between Individual Differences in Trait Emotionality and Altered Gastric Myoelectrical Activity*. Poster presented at the annual meeting of the Anxiety and Depression Association of America, April 2017, San Francisco, CA.
- 2017 Sandman, C.F., Raab, H.A., **Seeley, S.H.**, García-Lesy, E., Fresco, D.M., Mennin, D.S., & Liston, C. *Greater Prefrontal Recruitment Associated with Clinical Improvement and Metacognitive Skills in Generalized Anxiety Patients Following Emotion Regulation Therapy*. Poster presented at the annual meeting of the Anxiety and Depression Association of America, April 2017, San Francisco, CA.
- 2016 Raab, H.A., Sandman, C.F., **Seeley, S.H.**, García-Lesy, E., Fresco, D.M., Mennin, D.S., & Liston, C. *Increased Prefrontal Activation to Negative Stimuli Is Associated with Clinical Improvement Following Emotion Regulation Therapy for Generalized Anxiety Disorder*. Poster presented at the annual meeting of the Society for Neuroscience, November 2016, San Diego, CA.
- 2015 **Seeley, S.H.**, García-Lesy, E., Mennin, D.S. *The Role of Trait Worry in Temporal Dynamics of the Evoked Cardiac Response to Affective Images*. Poster presented at the annual meeting of the Society for Psychophysiological Research, September 2015, Seattle, WA.
- 2015 Renna, M.E., **Seeley, S.H.**, Chin, S., Heimberg, R.G., Fresco, D.M., Mennin, D.S. *The Utility of a Behavioral Measure of Distress Tolerance in Generalized Anxiety Disorder*. Poster presented at the annual meeting of the Association of Psychological Science, May 2015, New York, NY.

- 2015 Renna, M.E., **Seeley, S.H.**, Chin, S., Heimberg, R.G., Fresco, D.M., Mennin, D.S. *The Mirror Tracing Persistence Task as a Distress Tolerance Marker in Generalized Anxiety Disorder*. Poster presented at the annual meeting of the Anxiety and Depression Association of America, April 2015, Miami, FL.
- 2014 Adelsberg, S., Roy, A.K., **Seeley, S.H.**, Garcia, E., Renna, M.E., Fresco, D.M., & Mennin, D.S. *Changes in Emotion Regulation Circuitry Associated with a Regulation-Based Intervention for Generalized Anxiety Disorder*. Poster presented at the annual meeting of the Association for Behavioral and Cognitive Therapies, November 2014, Philadelphia, PA.
- 2014 Renna, M., **Seeley, S.H.**, Chin, S., Heimberg, R.G., Fresco, D.M., Mennin, D.S. *Preliminary Evidence for a Behavioral Measure of Distress Tolerance in Generalized Anxiety Disorder*. Poster presented at the annual meeting of the Association for Behavioral and Cognitive Therapies, November 2014, Philadelphia, PA.
- 2014 Garcia, E., Quintero, J. M., **Seeley, S.H.**, Fonseca, L., Mennin, D.S. *Dispositional Positive Self-Referential Processing Modulates Late-Positive Potential Responses in an Emotional-Motivational Context*. Poster presented at the annual meeting of the Association for Psychological Science, May 2014, San Francisco, CA.
- 2014 Garcia, E., **Seeley, S.H.**, Fonseca, L., Quintero, J. M., Renna, M., Skytte-O'Toole, M.S., Mennin, D.S. *Positive Self-Referential Processing Modulates Electrocortical Responses to Emotional Stimuli*. Poster presented at the annual meeting of the Anxiety and Depression Association of America, March 2014, Chicago, IL.
- 2014 Renna, M., **Seeley, S.H.**, Mankus, A.M., Garcia, E., Mennin, D.S., Fresco, D.M., Heimberg, R.G. *Emotion Regulation Therapy for Generalized Anxiety Disorder: Exploration of Heart Rate Variability and Inhibition of Emotional Interference*. Poster presented at the annual meeting of the Anxiety and Depression Association of America, March 2014, Chicago, IL.

## DISSERTATIONS/THESES

- 2021 *"Dynamic Functional Connectivity as a Neurobiological Mechanism of Adaptation in Widowed Older Adults"* [Doctoral dissertation]. Committee chair: Mary-Frances O'Connor, Ph.D.
- 2016 *"Functional Neuroanatomy of Grief and Perceived Discrimination in South Asian Women in the United States"* [Masters thesis]. Committee chair: Mary-Frances O'Connor, Ph.D.
- 2013 *"Anxious, Not Depressive Symptoms Predict Heart Rate Variability in Generalized Anxiety Disorder"* [Undergraduate honors thesis]. Supervisor: Douglas S. Mennin, Ph.D.

## SERVICE ACTIVITIES

- 2023 *Grant reviewer* · Pilot Project Program · Women's Health Research at Yale (WHRY)
- 2022 *Research Mentor* · Summer Program in Computational Psychiatry Education (SPICE) at ISSMS
- 2021-23 *Mentor* · Next-Gen. Psych Scholars · [nextgenpsychscholars.com](http://nextgenpsychscholars.com)
- 2021 *Mentor* · Psychin' Out graduate application support program · [psychinout.org](http://psychinout.org)
- 2020-21 *Member* · Diversity Committee · VA Pittsburgh Behavioral Health Service Line
- 2019-20 *Member* · Student Wellness Committee · U. Arizona Psychology Department
- 2016-18 *Student Representative* · Diversity Committee · U. Arizona Psychology Department
- 2016-17 *Student Representative* · Southern Arizona Psychological Association
- Fa. '17 *Mentor* · Arizona's Science, Engineering and Math Scholars (ASEMS) Program · U. Arizona
- Fa. '16 *Travel Grants Reviewer* · U. Arizona Graduate & Professional Student Council

## Panel and outreach talks

- 2022 *"Self-care and Boundary Setting as a Graduate Student"* [panel] · Next-Gen. Psych Scholars Program
- 2021 *"Chronic Illness and Disability in Graduate School"* [panel] · Next-Gen. Psych Scholars Program

- 2019 “Mental Health in Graduate School”, in “Real Talk: Diverse Perspectives on Graduate School” · Diversity Committee & Psi Chi · U. Arizona Psychology Department

### Student supervision and research mentorship

- 2022 Matina Kakalis [*medical student*] · “Social cognitive function and PTSD symptom dimensions in 9/11 World Trade Center responders”
- 2022 Thomasina Leska\* [*medical student*] · “Linguistic predictors of response to internet-based written CBT for PTSD in 9/11 World Trade Center responders and survivors”
- 2022 Adam Reig [*high school student*] · “Assessing social controllability in PTSD using the Ultimatum Game”
- 2015 Maha Abbas [*undergrad. honors thesis*] · “The relationship between generalized anxiety disorder and heart rate variability in response to emotion-eliciting films”
- 2015 Ilmira Estil\* [*undergrad. honors thesis*] · “Emotion generation vs. emotion regulation: differentiating self-reported emotional intensity and negative self-referential processing”
- 2015 Shehan Chin\* [*undergrad. honors thesis*] · “The mirror tracing task as a measurement of distress tolerance in generalized anxiety disorder”
- 2015 Virginia Milieris\* [*undergrad. honors thesis*] · “Implications for distress tolerance, affect intensity, and emotion regulation in the cold pressor task”

\*co-supervised

### Ad-hoc peer review

- 2019-- Journal of Psychiatry Research, Social Neuroscience, PLOS ONE, Cognitive Affective & Behavioral Neuroscience, European Child & Adolescent Psychiatry, Perspectives on Psychological Science  
Reviewer profile: <https://www.webofscience.com/wos/author/record/260782>

## SPECIALIZED TRAININGS

- |      |   |                     |
|------|---|---------------------|
| 2019 | Neurohackademy Summer Institute (2 weeks) · University of Washington          | Seattle, WA, US     |
| 2017 | Reproducible fMRI Workshop (5 days) · University of North Carolina            | Carrboro, NC, US    |
| 2017 | Science Alliance Leadership Training (4 days) · New York Academy of Sciences. | Atlanta, GA, US     |
| 2017 | Software/Data Carpentries Workshop (2 days) · U. Arizona BIO5 Institute       | Tucson, AZ, US      |
| 2015 | fMRI Acquisition and Analysis Course (3 days) · MIND Research Network         | Albuquerque, NM, US |

## SKILLS

Languages: R (advanced), MATLAB (intermediate), Unix/bash (intermediate), HTML & CSS (intermediate), L<sup>A</sup>T<sub>E</sub>X (beginner), Python (beginner).

Neuroimaging modalities: fMRI, resting-state fMRI, group ICA.

Neuroimaging software & tools: SPM12, FSL, BIDS, GIFT, fMRIPrep, MRIQC, TEDANA, Freesurfer

Other specialized software: SPSS, Biopac/ AcqKnowledge, QRSTool/CMetX, Kardia, Plotly, electronic health records (EPIC; Cerner; CRPS).

Other tools for reproducible science: Open Science Framework, git/GitHub, R Markdown, Jupyter notebooks.

Updated January 2023