

# Regina C. Lapate

Assistant Professor

Department of Psychological and Brain Sciences

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## ACADEMIC APPOINTMENT

**University of California, Santa Barbara**  
Assistant Professor 2020-  
Department of Psychological and Brain Sciences

## EDUCATION

**University of California, Berkeley**  
Postdoctoral Fellow, Helen Wills Neuroscience Institute 2016-2020  
Advisor: Mark D'Esposito

**University of Wisconsin-Madison**  
Ph.D., Department of Psychology 2015  
Distributed Minor in Neuroscience and Quantitative Methods  
Advisor: Richard J. Davidson

**University of Wisconsin-Madison**  
Master of Science, Psychology 2009

**Universidade Federal de Minas Gerais, Brazil**  
Bachelor of Science, Psychology 2004

## HONORS

**Kavli Frontiers of Science Fellow** 2023  
National Academy of Sciences

**Regents' Junior Faculty Fellowship Award** 2023  
University of California, Santa Barbara

**Rising Star Award** 2021  
Association for Psychological Science (APS)

**F32 Ruth L. Kirschstein National Research Service Award (NRSA)** 2017-2020  
NIMH, NIH

**Summer Institute in Cognitive Neuroscience Fellow (Tahoe)** 2018  
NIMH/NIDA/Kavli, UC Davis & UC Santa Barbara

**ERP Bootcamp Scholarship** 2015  
NIH, University of California, Davis

**NITP Advanced Neuroimaging Summer Program Fellow** 2014  
NIH, University of California, Los Angeles

**Summer Institute in Cognitive Neuroscience Fellow** 2014  
NIMH/NIDA/Kavli, UC Davis & UC Santa Barbara

**Student Poster Award** 2009, 2013  
Society for Psychophysiological Research

**Vilas Dissertation Travel Award** 2012, 2013, 2015  
University of Wisconsin-Madison

**Hertz Foundation Travel Award** 2009-2015

Department of Psychology, University of Wisconsin-Madison	
<b>Menzies and Royalty Award for Independent Graduate Student Research</b>	2011, 2013, 2015
Department of Psychology, University of Wisconsin-Madison	
<b>Biology of Social Cognition Workshop Fellow</b>	2012
Cold Spring Harbor Laboratory, NY	
<b>Marian S. Schwartz Award in Experimental Psychology</b>	2012
Department of Psychology, University of Wisconsin-Madison	
<b>James Davis Award for Research in Affective Neuroscience</b>	2010
Department of Psychology, University of Wisconsin-Madison	
<b>Study Abroad Full Scholarship</b>	2003–2004
Universidade Federal de Minas Gerais	
<b>Research Trainee Fellowship</b>	2002–2003
Brazilian Conselho Nacional de Desenvolvimento Científico e Tecnológico (CNPq) <National Counsel for Scientific and Technological Development>	

### PUBLICATIONS (*\*trainee*)

- Schuman, I.\*, Wang, J.\*, Ballard, I.C., **Lapate, R.C.** (*under review*). Waiting for it: Anorexia risk, future orientation, and intertemporal discounting.
- Lapate, R. C.**, Heckner\*, M., Phan\*, A., Tambini, A., & D’Esposito, M. (*in revision*). Information-based TMS to prefrontal cortex disrupts action goals during emotional processing.
- Wang, J.\* & **Lapate, R. C.** (*in press*). Emotional state dynamics impacts temporal memory. *Cognition & Emotion*.
- Li, M.\*, **Lapate, R. C.** (2024). The emotion filmmaker: Temporal memory, time-emotion integration, and affective style. *Emotion*.
- Wang, J.\*, Tambini, A., & **Lapate, R. C.** (2022). The tie that binds: Temporal coding and adaptive emotion. *Trends in Cognitive Sciences*, 26, 1103-1118.
- Kral, T. R. A., **Lapate, R. C.**, Imhoff-Smith, T., Patsenko, E., Grupe, D., Goldman, R., Rosenkranz, M. A., Davidson, R. J. (2022). Long-term meditation training is associated with enhanced attention and stronger posterior cingulate–rostrolateral prefrontal cortex resting connectivity. *Journal of Cognitive Neuroscience*, 34, 1576-1589.
- Lapate, R. C.**, Ballard, I. C., Heckner\*, M., D’Esposito, M. (2022). Emotional context sculpts action goal representations in the lateral frontal pole. *Journal of Neuroscience*, 42, 1529-1541.
- Lapate, R. C.**, Samaha, J., Rokers, B., Postle, B. R., Davidson, R. J. (2020). Perceptual metacognition of human faces is causally supported by function of the lateral prefrontal cortex. *Communications Biology*, 3, 360.
- Lapate, R. C.**, & Heller, A. S. (2020). Context matters for affective chronometry. *Nature Human Behaviour*, 4, 688-689.
- Grupe, D. W., Schaefer, S. M., **Lapate, R. C.**, Schoen, A. J., Gresham, L. K., Mumford, J. A., Davidson, R. J. (2018). Temporal dynamics of amygdala responses reveal differential contributions of emotional valence and arousal. *Social, Cognitive and Affective Neuroscience*, 13, 310-20.
- Weng, H. Y., **Lapate, R. C.**, Stodola, D. E., Rogers, G. M., & Davidson, R. J. (2018). Compassion increases visual attention to suffering. *Frontiers in Psychology*, 9.
- van Reekum, C., Schaefer, S. M., **Lapate, R. C.**, Norris, C., Tun, P., Lachman, M., Ryff, C., Davidson, R. J.

(2018). Lateral-medial shift in prefrontal cortex engagement underlies intact emotional functioning in aging. *Social, Cognitive and Affective Neuroscience*, 13, 156-63.

**Lapate, R. C.**, Samaha, J., Rokers, B., Hamzah, H.\*, Postle, B. R., Davidson, R. J. (2017). Inhibition of lateral prefrontal cortex produces emotionally biased first impressions: A TMS/EEG study. *Psychological Science*, 28, 942-53.

**Lapate, R. C.**, Rokers, B., Tromp, D., Orfali, N. \*, Doran, S., Adluru, N., Alexander, A. L., Davidson, R. J. (2016). Awareness of emotional stimuli determines the behavioral consequences of amygdala activation and amygdala-prefrontal connectivity. *Scientific Reports*, 6, 25826.

**Lapate, R. C.**, Rokers, B., Li, T. \*, Davidson, R. J. (2014). Nonconscious emotional activation colors first impressions: A regulatory role for conscious awareness. *Psychological Science*, 25, 349-357.

Heller, A.S., **Lapate, R.C.**, Mayer, K., Davidson, R. J. (2014). The face of negative affect: Trial-by-trial corrugator responses to negative pictures are positively associated with amygdala and negatively associated with ventromedial prefrontal cortex activity. *Journal of Cognitive Neuroscience*, 26, 2102-2110.

**Lapate, R. C.**, van Reekum, C. M., Schaefer, S. M., Greischar, L. L., Norris, C. J., Bachhuber, D. W., Ryff, C. D., & Davidson, R. J. (2014). Prolonged marital stress is associated with short-lived responses to positive stimuli. *Psychophysiology*, 51, 499-509.

Heller, A. S., van Reekum, C. M., Schaefer, S. M., **Lapate, R. C.**, Radler, B. T., Ryff, C. D., & Davidson, R. J. (2013). Sustained nucleus accumbens activation predicts self-reported psychological well-being. *Psychological Science*, 24, 2191-2200.

Schaefer, S. M., Boylan, J. A. M., van Reekum, C. M., **Lapate, R. C.**, Norris, C. J., Ryff, C. D., & Davidson, R. J. (2013). High psychological well-being predicts better emotional recovery from negative stimuli. *PLoS ONE*, 8, e80329.

**Lapate, R. C.**, Lee, H., Salomons, T.V., van Reekum, C. M., Greischar, L. L., & Davidson, R. J. (2012). Amygdalar function reflects common individual differences in emotion and pain regulation success. *Journal of Cognitive Neuroscience*, 24, 148-158.

Javaras, K. N., Schaefer, S. M., van Reekum, C. M., **Lapate, R. C.**, Greischar, L. L., Bachhuber, D. R., Love, G., Ryff, C. D., & Davidson, R. J. (2012). Conscientiousness predicts greater recovery from negative emotion. *Emotion*, 12, 875-881.

van Reekum, C. M., Schaefer, S. M., **Lapate, R. C.**, Norris, C., Greischar, L. L., & Davidson, R. J. (2011). Aging is associated with positive responding to neutral information but reduced recovery from negative information. *Social Cognitive and Affective Neuroscience*, 6, 177-185.

## Book

Fox, A. S., **Lapate, R. C.**, Shackman, A. J. & Davidson, R. J. (Eds.). (2018). *The nature of emotion: Fundamental questions* (2<sup>nd</sup> edition). New York: Oxford University Press.

### Integrative commentaries:

**Lapate, R. C.** & Shackman, A. J. (2018). Afterword: What is an emotion?

**Lapate, R. C.** & Fox, A. S. (2018). Afterword: How and why are emotions communicated?

**Lapate, R. C.** & Shackman, A. J. (2018). Afterword: What develops in emotional development?

**Lapate, R. C.** & Fox, A. S. (2018). Afterword: What is the role of conscious awareness in emotion?

Shackman, A. J. & **Lapate, R. C.** (2018). Afterword: What is the added value of studying the brain for understanding emotion?

Shackman, A. J. & **Lapate, R. C.** (2018). Afterword: How are emotions regulated by context and cognition?

Shackman, A. J. & **Lapate, R. C.** (2018). Afterword: How do emotion and cognition interact?

Shackman, A. J., **Lapate, R. C.** & Fox, A. S. (2018). Afterword: How are emotions, mood and temperament related?

Fox, A. S. & **Lapate, R.C.** (2018). Afterword: When and in what ways are emotions adaptive and maladaptive?

Fox, A. S. & **Lapate, R.C.** (2018). Afterword: How are emotions integrated into choice?

## Chapters

Ashburn, S., Abugaber, D., Antony, J., Bennion, K., Bridwell, D., Cardenas-Iniguez, C., Doss, M., Fernández, L., Huijsmans, I., Krisst, L., **Lapate, R. C.**, Layher, E., Leong, J., Li, Y., Marquez, F., Munoz-Rubke, F., Musz, L., Patterson, T., Powers, J., Proklova, D., Rapuano, K., Robinson, S., Ross, J., Samaha, J., Sazma, M., Stewart, A., Stickel, A., Stolk, A., Vilgis, V., Zirstein, M. (2020). Towards a socially responsible, transparent, and reproducible cognitive neuroscience. In M. Gazzaniga & R. Mangun (Eds.), *The Cognitive Neurosciences VI*. Cambridge, MA: MIT Press.

**Lapate, R. C.** (2018). Regulatory benefits of conscious awareness: insights from the emotion misattribution paradigm and a role for lateral prefrontal cortex. In: Fox, A. S., **Lapate, R. C.**, Shackman, A. J. & Davidson, R. J. (Eds.), *The Nature of Emotion: Fundamental Questions* (2nd edition). New York: Oxford University Press.

Schaefer, S. M., van Reekum, C. M., **Lapate, R. C.**, Heller, A. S., Grupe, D. W., & Davidson, R. J. (2018). The temporal dynamics of emotional responding: Implications for well-being and health from the MIDUS Neuroscience Project. In C. D. Ryff & R. F. Krueger (Eds.), *Oxford Handbook of Integrative Health Science*. New York: Oxford University Press.

## Manuscripts in progress (\*trainee)

Wang, J.\*, Tambini, A., Pritschet, L., Taylor, C.M., Jacobs, E.G., **Lapate, R.C.** (*in prep.*) Time is represented by global changes in entorhinal and hippocampal whole-brain functional connectivity patterns.

Wang, R.\*, Li, M.\*, **Lapate, R. C.** (*in prep.*) Individual differences in reappraisal are associated with the temporal dynamics of emotion.

Göktepe-Kavis, P., Gani-zana, J., **Lapate, R. C.**, Fedele, T., Tzovara, A. (*submitted*). Neural predictions of probabilistic sequences of natural sounds.

Fox, A. S., **Lapate, R. C.**, Davidson, R. J., & Shackman, A. J. (*submitted*). Challenges and opportunities for the affective sciences. <https://psyarxiv.com/ftmde>

Schaefer, S. M., Mogle, J., Almeida, D. M., van Reekum, C., Friedman, E. M., **Lapate, R. C.**, Naciewicz, B. M., Seeman, T. E., Gruenewald, T. L., & Davidson, R. J. (*submitted*). Amygdala volume mediates the effect of cumulative severe lifetime stress events on diurnal cortisol slope in older adults.

## Selected Conference Abstracts (\*trainee)

\*Wang, J., \*Stasiak, J.E.\*, Li, T.\*, Dundon, N.M., Rizor, E., Villanueva, C.\*, Sabugo, K., Grafton, S.T., **Lapate, R. C.** (2023). Ventral striatal circuitry underlies emotion-driven facilitation of motor function. ASAP Collaborative Meeting. London, England.

Stasiak, J.E.\*, Wang, J. \*, Dundon, S., Rizor, E., Villanueva, C. \*, Li, T. \*, Grafton, S., & **Lapate, R.C.** (2023). Prolonged Threat Anticipation Reveals Differential Temporal Profiles of Prefrontal Subregions. In: The 29th Annual Meeting of the Organization for Human Brain Mapping, Montreal, QC.

Dundon, N. M., Rizor, E., Stasiak, J.E., \*Wang, J.\*, Li, T.\*, Villanueva, C.\*, Sabugo, K., Herschenfeld-Catalan, L., Stump, A., Beverly-Aylwin, R., Babenko, V., **Lapate, R. C.**, Grafton, S. T. (2023) Open-loop neural and cardiac autonomic responses to incentivized vigor in humans. ASAP Collaborative Meeting. San Francisco, CA.

- Wang, J.\*, Pritschet, L., Taylor, C.M., Jacobs, E.G., **Lapate, R.C.** (2023) Emotion and temporal context modulate the intrinsic functional organization of lateral prefrontal cortex. In: 15th Annual Meeting of the Social & Affective Neuroscience Society, Santa Barbara, CA.
- Stasiak, J.E.\*, Wang, J.\*, Dundon, N., Rizzor, E., Villanueva, C., Li, T.\*, Grafton, S., & **Lapate, R.C.** (2023). Emotion for Motion: The Open-Loop Pathway and Amygdala-Prefrontal Contributions. In: 15th Annual Meeting of the Social & Affective Neuroscience Society, Santa Barbara, CA. *Selected for data blitz/conference highlight*.
- Li, M.\*, Wang, R.\*, LeVier, T.\*, & **Lapate, R. C.** (2023). The dynamics of affect and temporal memory across event boundaries. In: 15th Annual Meeting of the Social & Affective Neuroscience Society, Santa Barbara, CA. *Selected for Oral Presentation*.
- Wang, R.\*, Li, M.\*, Wang, J.\*, & **Lapate, R. C.** (2023). Temporal dynamics of affective spillover. In: 15th Annual Meeting of the Social & Affective Neuroscience Society, Santa Barbara, CA.
- Wang, J.\*, Pritschet, L., Taylor, C.M., Jacobs, E.G., & **Lapate, R.C.** (2023) Time and emotion modulate the intrinsic functional organization of lateral prefrontal cortex. In: 30th Annual meeting of the Cognitive Neuroscience Society, San Francisco, CA *Selected for data blitz/conference highlight*.
- Li, M.\*, Schwartzman, B.\*, Pratt, J.\*, & **Lapate, R. C.** (2023). The persistence of affect and temporal memory: An event-boundary EEG study. In: 30th Annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.
- Wang, J.\*, Tambini, A., Pritschet, L., Taylor, C. M., Jacobs, E. G., **Lapate, R. C.** (2022). Time is represented by global changes in entorhinal and hippocampal whole-brain functional connectivity patterns. In: 51st Annual meeting of the Society for Neuroscience, San Diego, CA.
- Dundon, N. M., Rizzor, L., Babenko, V., Wang, J.\*, Stasiak, J.E.\*, Stump, A., Beverly-Aylwin, R., Li, T.\*, **Lapate, R. C.**, Grafton, S.T. (2022). Nodes of open-loop circuit through basal ganglia might be activated by salient reward state. Presented at Aligning Science across Parkinson's (ASAP) of Scientific Achievement meeting (COSA).
- Wang, J.\* & **Lapate, R. C.** (2022). Emotional state dynamics impacts temporal memory. In: 29th Annual meeting of the Cognitive Neuroscience Society, San Francisco, CA. *Selected for data blitz/conference highlight*.
- Li, M.\* & **Lapate, R. C.** (2022). Temporal memory, time-emotion integration, and wellbeing. In: 29th Annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.
- Lapate, R. C.** (2021). Lateral prefrontal goal representations causally influence behavioral avoidance: a TMS/fMRI study. In: 61<sup>st</sup> Annual meeting of the Society for Psychophysiological Research.
- Li, M.\* & **Lapate, R. C.** (2021). Time-emotion integration and affective style. In: 8th Annual meeting of the Society for Affective Science.
- Kral, T.R.A, Imhoff-Smith, T., **Lapate, R. C.**, Patsenko, E., Grupe, D., Goldman, R., Rosenkranz, M., Davidson, R.J. (2020). Long-term meditation training is associated with stronger posterior cingulate–lateral prefrontal cortex resting connectivity and enhanced attention. In: Annual Mind & Life Contemplative Research Conference.
- Lapate, R. C.** (2020). On the function of conscious awareness in emotion. In: Annual evolutionary psychology preconference at the Society for Personality & Social Psychology Research, New Orleans, LA.
- Riddle, J., Alexander, M., McPherson, T., **Lapate, R. C.**, Schiller, C., Rubinow, D., Frohlich, F. (2020). Theta Oscillations Increase during Negative Experiences in Patients in a Depressive Episode. Poster presented at the annual meeting of the Society for Biological Psychiatry.
- Phan, A. \*, **Lapate, R. C.**, D'Esposito, M. D. (2020). Disentangling the contributions of proactive and reactive control to impulsivity. In: 29<sup>th</sup> Psychology Undergraduate Research Conference, University of California, Los Angeles, CA.
- Lapate, R. C.**, Tambini, A., Heckner, M.\*, D'Esposito, M. (2019). The automaticity of emotion in memory

and action: TMS studies of LPFC function. In: 48<sup>th</sup> Annual meeting of the Society for Neuroscience, Chicago, IL.

- Lapate, R. C.**, Heckner\*, M., Sakkas\*, J., Ballard, I. C., D'Esposito, M. (2019). Representation and integration of goals and emotional valence in the amygdala-prefrontal circuitry. In: 25<sup>th</sup> Annual meeting of the Organization for Human Brain Mapping, Rome, Italy, 2019.
- Lapate, R. C.**, Heckner\*, M., Martin\*, J., Wu\*, J., & D'Esposito, M. (2018). LPFC representations support goal-oriented responses during emotional processing. In: 47<sup>th</sup> Annual meeting of the Society for Neuroscience, San Diego, CA.
- Lapate, R. C.**, Heckner\*, M., & D'Esposito, M. (2018). The rostro-caudal organization of lateral prefrontal cortex: Functional coupling with the amygdala and implications for affective style. In: Bay Area Affective Science Meeting, Stanford, CA.
- Lapate, R. C.**, Hwang, K., Lurie, D. J., Bertolero, M., Tambini, A., D'Esposito, M. (2017). Topographic properties of the centromedial amygdala: Lateral prefrontal contributions and relevance for psychopathology. In: 46<sup>th</sup> Annual meeting of the Society for Neuroscience, Washington D.C.
- Tambini, A., Lurie, D. J., **Lapate, R. C.**, D'Esposito, M. (2017). Large-scale network connectivity changes underlying memory formation. In: 46<sup>th</sup> Annual meeting of the Society for Neuroscience, Washington D.C.
- Lapate, R. C.**, Samaha, J., Rokers, B., Hamzah\*, H., Austermuehle\*, A., Postle, B. R., Davidson, R. J. (2016). Lateral prefrontal function prevents emotionally biased first impressions. In: Annual Meeting of the Society for Affective Sciences, Chicago, IL.
- Lapate, R. C.**, Samaha, J., Rokers, B., Hamzah\*, H., Austermuehle\*, A., Postle, B. R., Davidson, R. J. (2015). Dorsolateral prefrontal cortex, metacognitive awareness of emotional visual stimuli, and emotion regulation: A TMS/EEG study. In: 45<sup>th</sup> Annual Meeting of the Society for Neuroscience, Chicago, IL.
- Lapate, R. C.**, Austermuehle\*, A., Davidson, R. J. (2015). Emotional processing biases face identity perception. In: 22<sup>nd</sup> Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.
- Lapate, R. C.**, Rokers, B., Tromp, D., Orfali\*, N., Doran, S., Adluru, N., Alexander, A. L., Davidson, R. J. (2014). Visual awareness of emotional stimuli changes the behavioral fate of amygdala responses and amygdala-PFC coupling. In: 21<sup>th</sup> Annual Meeting of the Cognitive Neuroscience Society, Boston, MA.
- Lapate, R. C.**, Rokers, B., Tromp, D., Orfali\*, N., Doran, S., Adluru, N., Alexander, A. L., Davidson, R.J. (2013). Amygdalar function and connectivity underlie affective misattribution after non-conscious emotional processing. In: 53<sup>rd</sup> Annual Meeting of the Society for Psychophysiological Research, Florence, Italy. *Student Poster Award Winner*.
- Lapate, R. C.**, Rokers, B., Davidson, R.J. (2013). Emotional activation colors first impressions: a regulatory role for conscious access. In: 20<sup>th</sup> Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.
- Lapate, R. C.**, Rokers, B., Li\*, T., Davidson, R. J. (2013). Affective priming occurs during continuous flash suppression. In: 6<sup>th</sup> Annual Meeting of the Society for Affective Neuroscience, San Francisco, CA.
- van Reekum, C. M., Schaefer, S. M., **Lapate, R. C.**, Norris, C. J., & Davidson, R. J. (2009). Emotion reactivity and recovery across adulthood: Evidence from the Midlife in the US (MIDUS-II) study. Symposium presented at the 49<sup>th</sup> Annual Meeting of the Society for Psychophysiological Research, Berlin, Germany.
- Lapate, R. C.**, Lee, H., Salomons, T. V., Greischar, L. L., van Reekum, C. M., Davidson, R. J. (2009). The contribution of affective style to the successful regulation of pain: A psychophysiological and neuroimaging investigation. In: 49<sup>th</sup> Annual Meeting of the Society for Psychophysiological Research, Berlin, Germany. *Student Poster Award Winner*.

## INVITED TALKS

- Time and emotion integration in the lateral prefrontal cortex (*forthcoming; 2024*). Neurobiology of Cognition, Gordon Research Conference, Waterville Valley, NIH.
- Memory for time and emotion (2024). Cognitive, Health and Affective Tea (CHAT) Seminar, Rice University.
- Memory for time and emotion: reciprocal interactions, neural mechanisms, and implications for wellbeing (2024). Cognition and Cognitive Neuroscience Seminar, University of California, Riverside.
- It's about time: Neural circuitry of affect regulation (2023). Neuroscience & Behavior Seminar. University of California, Santa Barbara.
- *Introductory Lecture: Neuroscience of Emotion & Mental Health Symposium: It's about time: Emotion, context, and psychopathology* (2023). Indonesian-American Kavli Frontiers of Science Symposium. Balikpapan, Indonesia.
- Temporal memory and adaptive emotion (2023). Southern California Learning and Memory Symposium, University of California, Los Angeles.
- Memory for time and emotion: reciprocal interactions, neural mechanisms, and implications for wellbeing (2023). The International Conference for Learning & Memory, Surf City, CA.
- Temporal memory and adaptive emotion (2023). Context and Affective Memory meeting (virtual).
- Neurostimulation: Toward causal inference in cognitive neuroscience (2022). Kavli Summer Institute for Cognitive Neuroscience, University of California, Santa Barbara, CA.
- TMS studies of LPFC function in emotion (2022). Neuromodulation and Neuroimaging Relevant to Affective Disorders Speaker Series, Center for Neuromodulation in Depression and Stress, University of Pennsylvania, PA.
- Emotional context sculpts action goal representations in the lateral frontal pole (2022). Experimental Psychopathology and Affective Neuroscience Laboratory at Donders Institute and Behavioural Science Institute, Radboud University Nijmegen.
- Emotion regulation: the causal role of lateral prefrontal cortex (2022). California University of Science and Medicine Research Symposium. Colton, CA. (*Keynote talk*)
- Lateral prefrontal goal representations causally influence behavioral avoidance: a TMS/fMRI study (2021). Annual meeting of the Society for Psychophysiological Research.
- Regulation of affective spillover: conscious awareness and the causal role of lateral prefrontal cortex (2021). Department of Psychology, Sungkyunkwan University, Seoul, South Korea.
- Affective Neuroscience and the LEAP Neuro Lab (2021). Annual Psychological & Brain Sciences Alumni Mixer, University of California, Santa Barbara.
- Emotional context sculpts prefrontal action representations (2021). Behavioral and Cognitive Neuroscience Brownbag, Department of Psychological & Brain Sciences, University of Iowa, IA.
- Regulation of affective spillover: conscious awareness and the causal role of lateral prefrontal cortex (2021). Cognition Colloquium, Department of Psychology, University of California, Santa Cruz, CA.
- The automaticity of emotion: TMS studies of LPFC function (2021; *cancelled due to covid-19*). Integrative Neurostimulation Conference, Chapel Hill, NC.
- The automaticity of emotion in memory and action: conscious awareness and a causal role for LPFC (2020). Social Psychology Colloquium, Department of Psychology, University of California, Los Angeles, CA.
- On the function of conscious awareness in emotion (2020). Annual Evolutionary Psychology Preconference at the Society for Personality & Social Psychology Research, New Orleans, LA.
- Neural control of affective spillover (2019). Colloquium given at the Institute of Personality and Social Research, University of California, Berkeley, CA.

- The automaticity of emotion in memory and action: TMS studies of LPFC function (2019). Annual meeting of the Society for Neuroscience, Chicago, IL.
- Neural control of affective spillover (2019). Stanford Affective Seminar, Stanford, CA.
- Conscious awareness of emotional stimuli: Prefrontal contributions and causal mechanisms (2019). Northern California Consciousness Conference, Center for Mind and Brain, UC Davis, CA.
- The regulation of affective spillover: amygdala-prefrontal contributions and the impact of mindfulness training (2019). Osher Center, UCSF, San Francisco, CA.
- Lateral prefrontal contributions to the pervasiveness of affect: representational geometry and causal mechanisms (2018). Annual Meeting of the Society for Psychophysiological Research, Quebec City, Canada.
- Prefrontal contributions to emotional style: organization and causal mechanisms (2017). Biological Psychology Brownbag, University of California, Davis, CA.
- Lateral prefrontal function limits the pervasiveness of affect (2017). Annual Meeting of the Social & Affective Neuroscience Society, Los Angeles, CA.
- Exploring the interplay between emotion and consciousness (2016). The world we make: Well-being in 2030—A meeting with His Holiness the 14th Dalai Lama. Overture Center, Madison, WI.
- Conscious awareness, affective coloring, and the amygdala (2013). Order and disorder in the emotional brain: Emotional regulation in health and disease. Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.
- Modulation of affective processing by conscious awareness: Amygdala function, amygdala-prefrontal interactions and consequences for behavior (2013). Neurology & Imaging of Cognition Brownbag, Geneva, Switzerland.
- Modulation of affective processing by conscious awareness: Amygdala function, amygdala-prefrontal interactions and consequences for behavior (2013). Brain and Cognition Brownbag, University of Amsterdam, NL.
- Conscious awareness, affective coloring, and the amygdala (2013). Guest lecture at the Undergraduate Neuroscience Society meeting, University of Wisconsin-Madison.
- Making the visible invisible (2013). Guest Lecture at Edgewood College, Madison, WI.

## FUNDING

### Current

*“Lateral prefrontal organization in emotion: representational and causal mechanisms”* 2023-2028

**National Institute of Health - R01 MH134000**

\$2,300,000

Role: PI

*“Dynamic interactions of emotional states, temporal coding and memory”* 2023-2028

**Army Research Office W911NF-19-2-0026**

\$891,805

Role: PI

*“Time-dependent affect regulation”* 2023-2025

**Academic Senate Faculty Research Grant**

University of California, Santa Barbara

\$19,895

Role: PI

*“Basal Ganglia Networks in Parkinson’s Disease”*

**Aligning Science Across Parkinson’s (ASAP)**

2021-2024

PI: Peter L. Strick, PhD; UCSB PI: Scott Grafton, MD

\$1,944,159



Role: Consultant

### Completed

*“Time and Emotion Integration in the Human Brain”*

2021-2022

#### Academic Senate Faculty Research Grant

University of California, Santa Barbara

\$10,000

Role: PI

### TEACHING

#### University of California, Santa Barbara

Cognitive Neuroscience (PSY 123)

Winter 2021, 2023

Affective Neuroscience (PSY 160RL)

Spring 2021

#### Guest Lecture (Graduate)

Neuroscience of pain (Prof. Paul Hansma)

Winter 2024

*“It’s about time: Neural circuitry of affect regulation.”*

Topics in Cognitive Neuroscience (PSY 231) (Prof. Emily Jacobs)

Winter 2023

*“Hot and cool—and hot again? Amygdala-PFC function in cognitive and affective neuroscience”*

#### Edgewood College- Madison, WI

2016

Psychopathology, Instructor (4-week module ‘Emotion & Motivation’ honors course)

#### PEOPLE Program (Pre-College Enrichment Opportunity Program for Learning Excellence)

2012, 2013

Neuroscience, Instructor

### MENTORING AND ADVISING

#### Postdoctoral

Jingyi Wang, Ph.D. (UC Santa Barbara)

2021-

*\*2023 CNS data blitz (conference highlight) – San Francisco, CA*

*\*2022 Hippocampal Subfields Group selected attendee – San Diego, CA*

*\*2022 CNS data blitz (conference highlight) – San Francisco, CA*

*\*2021 ABCD workshop selected attendee (virtual)*

#### Graduate

##### PhD

Mengsi Li (UC Santa Barbara)

2020-

Joanne Stasiak (UC Santa Barbara)

2021-

*\*2024 CNS data blitz (conference highlight) – Toronto, Canada*

*\*2023 CIFAR Brain, Mind & Consciousness selected attendee*

*\*2023 SANS data blitz (conference highlight) – Santa Barbara, CA*

*\*2022 Neurohackademy selected attendee*

Nadezhda Barbashova

2023-

##### Master’s (Internship)

Marisa Heckner (Heinrich-Heine-University Düsseldorf, Germany & UC Berkeley)

2018-2019

#### Postbac (Lab Manager)

Runan Wang\* (UC Santa Barbara)

2022-

*\*Morgan Award for Academic Excellence winner*

#### Undergraduate

##### Senior Thesis/Independent Project Supervision

Julia Pratt (UC Santa Barbara)

2022-2023

*Context-sensitivity of affective spillover & emotional functioning*

**\*URCA grant winner**

Isabel Schuman\* (UC Santa Barbara) 2020-2021  
*Temporal representation in eating disorders*  
**\*Morgan Award for Research Promise winner** (awarded to one graduating senior at the Psychological & Brain Sciences Department, UC Santa Barbara)

Audrey Phan\* (UC Berkeley) 2019-2020  
*Disentangling the contributions of reactive and proactive cognitive control to impulsivity*  
**\*UC Berkeley Summer Undergraduate Research Fellowship winner**  
**\*Robert J. Glushko Prize for Distinguished Undergraduate Research winner** (awarded to one outstanding Honors thesis in Cognitive Sciences, UC Berkeley)

Nadia Orfali (Post-baccalaureate Intramural Research Fellow, NIMH) 2013-2014  
*Neural correlates of emotion detection and contagion*

Jessica Sloan (Ph.D. student, Clinical Psychology, Yeshiva University) 2012-2013  
*Effect of stimulus type on affective coloring*

**UW-Madison NSF Psychology Research Experience Program (PREP) 2013**

Morgan Shields (Assistant Professor, Washington University in Saint Louis)  
*The effect of positive stimuli on affective coloring*

**Undergraduate Student Research Supervision**

Julia Pratt (B.S. candidate in Biopsychology, UC Santa Barbara) 2022-  
Melikah Arciaga (B.S. candidate in Psychology and Brain Sciences, UC Santa Barbara) 2022-  
Taylor Li (B.S. candidate in Biopsychology, UC Santa Barbara) 2022-  
Tori Levier (B.S. candidate in Psychology and Brain Sciences, UC Santa Barbara) 2022-  
Christina Villanueva (B.S. candidate in Psychology and Brain Sciences, UC Santa Barbara) 2022-  
Jeevika Adda (B.S. candidate in Psychology and Brain Sciences, UC Santa Barbara) 2022-  
Mia Jeffery (B.S. candidate in Biopsychology, UC Santa Barbara) 2021-  
Brooke Schwartzman (B.S. candidate in Psychology and Brain Sciences, UC Santa Barbara) 2021-  
Connor Ding (B.S. candidate in Psychology and Brain Sciences, UC Santa Barbara) 2021-  
Runan Wang\* (B.S. candidate in Biopsychology, UC Santa Barbara) 2021-2022  
**\*Morgan Award for Academic Excellence winner**  
(Awarded to one graduating senior in Biopsychology, UC Santa Barbara)  
Alana Miller (B.S. candidate in Biopsychology, UC Santa Barbara) 2021-2022  
Alyssa Shishkov (B.S. candidate in Psychology and Brain Sciences, UC Santa Barbara) 2021-2022  
Isabel Schuman (B.S. candidate in Psychology and Brain Sciences, UC Santa Barbara) 2020-2021  
Audrey Phan (B.S. candidate in Cognitive Science & Molecular & Cell Biology, UC Berkeley) 2018-2020  
Janaye Sakkas (B.S. candidate in Cognitive Science, UC Berkeley) 2018-2019  
Isabel Groth (B.S. candidate in Cognitive Science, UC Berkeley) 2018-2019  
Jean Wu (B.S. candidate in Cognitive Science, UC Berkeley) 2017-2019  
Sujin Byeon (B.S. candidate in Molecular & Cell Biology, UC Berkeley) 2017-2018  
Jenna Rebecca Martin (B.S. in Psychology, UC Berkeley) 2017-2018  
Hamdi Hamzah (Data Scientist at Sime Darby Group) 2015-2016  
Elizabeth Zoller (B.S. candidate in Psychology, University of Wisconsin-Madison) 2014-2015  
Alison Austermuehle (Post-baccalaureate Intramural Research Fellow, NIMH) 2013-2015  
Victoria Clemens (School of Social Work Masters student, University of Wisconsin-Madison) 2012-2014  
Nadia Orfali (Senior Research Assistant, Child Trends) 2012-2013  
Kaitlyn Mayer (Medical student, UW-Madison School of Medicine and Public Health) 2012-2014  
Tianyi Li (Psychology Ph.D. student, University of Chicago) 2010-2011  
Ashley Jordan (Clinical Psychology Ph.D. student, Yale) 2009-2010

**DISSERTATION COMMITTEES**

Alison Li (Psychological & Brain Sciences; UC Santa Barbara)  
Hannah Grotzinger (Psychological & Brain Sciences; UC Santa Barbara)

Elle Murata (Psychological & Brain Sciences; UC Santa Barbara)  
 Luna Li (Psychological & Brain Sciences; UC Santa Barbara)  
 Carly Chak (Psychological & Brain Sciences; UC Santa Barbara)  
 Michael Zimet (Dynamical Neuroscience; UC Santa Barbara)  
 Fangzheng Zhao (Psychological & Brain Sciences; UC Santa Barbara)  
 Nikki Puccetti (Clinical Psychology; University of Miami)  
 Elizabeth Rizor (Dynamical Neuroscience; UC Santa Barbara)

## **SERVICE**

### **Grant Ad Hoc Reviewer**

Human Complex Mental Function Study Section, NIH- Ad hoc member (2023)  
 Brain Disorders and Related Neurosciences (F01A) Fellowship Study Section, NIH - Ad hoc member (2023)  
 Israel Science Foundation - Ad hoc reviewer (2023)

### **Conference Committees**

Abstract Review Committee, *Annual Meeting of the Social and Affective Neuroscience Society* (2023, 2024)  
 Abstract Review Committee, *Annual Meeting of the Society for Affective Sciences* (2021, 2023, 2024)  
 Program Committee & Co-organizer, *13<sup>th</sup> Annual Meeting of the Social and Affective Neuroscience Society* (2019-2021)

### **Journal Service: Consulting Editor**

Journal of Cognitive Neuroscience

### **Journal Service: Ad hoc reviewer**

Cerebral Cortex; Cognition & Emotion; Cognitive, Behavioral and Affective Neuroscience; eNeuro; Frontiers in Human Neuroscience; Journal of Cognitive Neuroscience; Journal of Experimental Psychology; Journal of Neuroscience; Neuroscience & Biobehavioral Reviews; Scientific Reports; Neuroscience Letters; Social, Cognitive and Affective Neuroscience; Annals of the New York Academy of Sciences; Translational Psychiatry; Neuropsychologia

## **PROFESSIONAL AFFILIATIONS**

Association for Psychological Science (2011- present)  
 Cognitive Neuroscience Society (2012- present)  
 Social and Affective Neuroscience Society (2013- present)  
 Society for Affective Sciences (2015- present)  
 Society for Neuroscience (2012- present)  
 Society for Psychophysiological Research (2008- present)