

CLAYTON P. MOSHER

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EDUCATION

- 2009 – 2014 Ph.D. in Neuroscience; Minor in Statistics
The University of Arizona, Tucson, AZ
Thesis title: “Neurons in the monkey amygdala detect eye contact during naturalistic social interactions.”
Advisor: Dr. Katalin M. Gothard
Committee: Andrew J. Fuglevand, Konrad Zinsmaier, Joseph C. Watkins
- 2004 – 2009 B.S. in Health Sciences, Physiology (*Honors, Summa Cum Laude*)
B.S. in Mathematics, Minor: Chemistry (*Summa Cum Laude*)
The University of Arizona, Tucson, AZ
Honors thesis: “Behavioral triggers of skin conductance and their neural correlates in the primate amygdala.”

CURRENT POSITION

- 2020 – present Project Scientist
Rutishauser Lab, Cedars-Sinai Medical Center, Los Angeles, CA
- Published original research on how neurons in the subthalamic nucleus participate in cognitive control by supporting action selection and cancellation
 - Researched and successfully implemented protocols to perform deep brain stimulation of the human hippocampus to enhance memory
 - Recorded and analyzed how respiratory rate and Vagal Nerve Stimulation impact cardiac rate and performance on cognitive tasks
 - Currently designing new experiments to probe how single neurons in the brain learn and encode social relationships

PROFESSIONAL HISTORY

- 2017 – 2020 Postdoctoral Scientist
Rutishauser Lab, Cedars-Sinai Medical Center, Los Angeles, CA
- Presented work at international conferences and published original research on how cardiac pulsation impact neural signaling and cell typing, how dopaminergic neurons in the human brain support memory formation, and how interictal discharges in epileptic patients impact memory
 - Performed intracranial neural recordings, cardiac physiology, and

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respiratory signals, in patients with neurological disorders (Epilepsy, Parkinson's) to understand cognitive and motor functions

- Worked with a team of neurologists, neurosurgeons, and medical staff to obtain IRB approved intraoperative neural data in awake patients
- Learned and implemented advanced computational techniques (e.g., linear SVM)
- Collaborated successfully with researchers at other institutes, manifesting in peer-reviewed publications (e.g. Allen Brain Institute, The University of California Los Angeles)

2016 – 2017

Research Specialist Principal

The Gothard Lab, The University of Arizona, Tucson, AZ

- Developed a research program to understand how the associative areas of primate brain process and interpret multimodal signals in the visual, auditory, and tactile domain
- Published original research on how neurons in the monkey amygdala process somatosensory signals to decode the facial expression the animal is displaying
- Introduced a new method for delivering somatosensory stimulation (air puff) in a highly controlled and temporally-specific manner amenable to single neuron analysis
- Examined how leeches could be used to draw blood to test for hormone levels in macaques

2015 – 2016

(+ freelance to 2018)

Lead Psychophysiology Researcher

MediaScience Consumer Neuroscience Research, Austin, TX

- Analyzed and interpreted biometric data (heart rate, skin conductance) and eye-tracking to determine how different advertising strategies impact emotion and memory (clients: Facebook, ESPN, Netflix, Hulu)
- Established best practices for calculating electrodermal responses and managed a team of employees on collecting and preparing psychophysiology data
- Interfaced with clients on data methodologies and interpretation of results
- Obtained certification in Paul Ekman facial action coding

2014 – 2015

Postdoctoral Research Fellow

Peter Rudebeck Lab

Icahn School of Medicine at Mount Sinai, New York, NY

- Designed and conducted original experiments on the neural basis of emotional decision-making
- Recorded neural activity (EEG, single neurons) and the emotional state (eye-movements, pupil diameter, heart rate) of monkeys engaged in a decision-making task to probe how arousal is maintained in anticipation of reward
- Planned and taught a masters-level course in biostatistics
- Presented research findings at international conferences
- Peer-reviewed scientific manuscripts for publication in The Journal of Comparative Psychology

2009 – 2014

Graduate Research Assistant

Katalin Gothard Lab

Department of Neuroscience, The University of Arizona, AZ

- Published original research on how primates interact socially, guide their

attention to socially relevant stimuli, and how neurons in both humans and monkeys respond when fixating with eye-movements on socially relevant stimuli

- Developed a system for monitoring the eye-movements and facial muscle activity of Rhesus monkeys
- Established protocols for eliciting natural behaviors in laboratory settings using wildlife video stimuli
- Created an image database of macaque facial expressions and participated in the creation of the Macaque Facial Action Coding System
- Communicated scientific findings to popular science audiences
- Designed user-friendly programs for conducting social research

2009 – 2012

K-12 science outreach instructor
Science Foundation Arizona

- Designed and taught original lesson plans for K-12 classrooms; Attended education workshops and learned K-12 teaching strategies
- Developed and implemented neuroscience K-6 outreach activities (e.g skin conductance lie-detector test, facial electromyography monitoring)
- Served as neuroscience guest-lecturer in high school classrooms

2006 – 2009

Undergraduate research assistant
Gothard Lab, Undergraduate Biology Research Program
The University of Arizona, Department of Physiology

- Recorded skin conductance responses from Rhesus monkeys as they viewed emotionally-salient photographs
- Hand-scored saccadic eye-movements and analyzed looking patterns using custom-designed MatLab software
- Participated in a summer abroad program investigating the role of sleep-spindles in memory consolidation in the monkey amygdala

HONORS AND AWARDS

2020	Malaniak Award for Excellence in Postdoctoral Research, Cedars-Sinai
2013	Galileo Circle Scholar, The University of Arizona College of Science
2011-2012	K-12 Teaching Fellowship, Science Foundation Arizona
2010	Faculty of 1000 Award for Scientific Poster Presentation
2009 – 2012	National Science Foundation Graduate Research Fellowship
2009 – 2012	Arizona Science Foundation Graduate Research Fellowship
2009 – 2010	Graduate Diversity Fellowship, The University of Arizona
2006 – 2009	Undergraduate Research Fellowship, Undergraduate Biology Research Program, The University of Arizona
2008	Biomedical Research Abroad: Vistas Open Fellowship Weizmann Institute, Rehovot, Israel
2004 – 2008	Baird Foundation Scholarship, The University of Arizona
2004 – 2008	President's Award for Excellence, The University of Arizona
2004 – 2008	Provost Scholarship, The University of Arizona
2004 – 2009	Highest Academic Distinction, The University of Arizona

SERVICE & OUTREACH

2019 – present	Letters to Prescientist STEM mentor
2017 – 2018	Information Specialist at Los Angeles LGBT Center

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2014 – 2015	New York Cares, Instructor of Computer Course for Senior Citizens
2013 – 2014	Adult literacy and English language tutor at Literacy Connects, Tucson AZ
2012	Neuroscience lecturer at Marana High School
2012	Neuroscience outreach volunteer at the Tucson Festival of Books
2012	Volunteer science instructor at Senita Valley Elementary School
2011 - 2012	The University of Arizona Optics Department Laser Fun Day
2011	Science Foundation Arizona Private Eye 5th grade teacher
2008	Brain Awareness Week, Society for Neuroscience Tucson Chapter

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

2006 – present	The Society for Neuroscience
2014 – 2015	New York Academy of Sciences
2012 – 2015	The Society for Social Neuroscience

SCHOLARLY PRESENTATIONS

26 Jan. 2021	Cedars-Sinai Medical Center (<i>Online</i>), Malaniak Award for Postdoctoral Excellence, Los Angeles, CA. "Neurons in the ventral subthalamic nucleus of the human brain support action cancellation." (organizer: Odelia Cooper)
13 Nov. 2020	California Institute of Technology (<i>Online</i>), Human Single Neuron Meeting, "Distinct roles of dorsal and ventral subthalamic nucleus in action selection and action cancellation." (organizer: Human Single Neuron Committee)
03 Nov. 2020	Cedars-Sinai Medical Center, Neurology and Movement Disorders Seminar, Los Angeles, CA. "Distinct roles of dorsal and ventral subthalamic nucleus in action selection and cancellation." (organizer: Michele Tagliati)
23 August 2019	The University of Michigan, Department of Anesthesiology, Anne Arbor, MI. "Cardiac-related modulation of the extracellular action potential waveform in vivo reveals multiple cell classes in human hippocampus." (organizer: Kamran Diba)
06 June 2019	University of California Davis, National Primate Research Center, Davis, CA. "Neurons in the amygdala support social communication among primates." (organizer: Eliza Bliss-Moreau)
02 Nov. 2016	Cedars-Sinai Medical Center, Department of Neurosurgery, Los Angeles, CA. "Social communication among primates activates neurons in the amygdala." (organizer: Ueli Rutishauser)
25 Feb. 2015	Mount Sinai School of Medicine, Comparative Cognition Group, New York, NY. "Social communication among primates activates neurons in the amygdala." (organizer: Pete Rudebeck)
08 April 2014	The University of Arizona, Quantitative Biology Seminar, Tucson, AZ, "Quantifying how the primate brain supports social behavior" (organizer: Joseph Watkins)
14 Feb. 2014	The National Institute of Mental Health, Laboratory of Neuropsychology, Bethesda, MA. "Neurons in the monkey amygdala mediate communication with facial expressions." (organizer: David Leopold)
26 Nov. 2013	California Institute of Technology, Department of Neurobiology, Pasadena, CA. "Neurons in the monkey amygdala mediate communication with facial expressions." (organizer: Doris Tsao)
02 May 2013	The University of Arizona, Department of Physiology, Tucson, AZ. "Single unit activity in the amygdala during the production of facial expressions." (organizer: Ralph Fregosi)
13 April 2012	The University of Arizona, Department of Physiology, Tucson, AZ. "The

- amygdala evaluates and regulates social behavior in monkeys." (organizer: John Allen)
- 19 March 2012 Cognitive Neuroscience Seminar, The University of Arizona, Tucson, AZ. "The amygdala evaluates and regulates social behavior in monkeys." (organizer: Lynn Nadel)
- 16 May 2011 The University of Arizona, Undergraduate Biology Research Program Orientation, Tucson, AZ. "The neural bases of primate emotional and social behavior." (organizer: Carol Bender)
- 25 Jan. 2011 The University of Arizona, Neuroscience Community Datablitz, Tucson, AZ. "Eye movements during movie viewing attests to social perception in monkeys." (organizer: Carol Barnes)
- 25 Oct. 2008 The University of Arizona, Undergraduate Research Abroad Datablitz, Tucson, AZ. "How does the amygdala participate in emotional memory consolidation during sleep?" (organizer: Carol Bender)

TEACHING

- Sept. – Dec. 2015 Introduction to Biostatistics, MPH 0300, Icahn School of Medicine at Mount Sinai, New York
- Aug. – Dec. 2011 Teaching Assistant, MATH 303: Introduction to Statistical Methods, Dr. Joseph Watkins, The University of Arizona. syllabus: <http://math.arizona.edu/~jwatkins/math363f14s.htm>

PUBLICATIONS

Journal publications

1. **Mosher, C.P.**, Mamelak, A.N., Malekmohammadi, M., Pouratian, N.P., Rutishauser, U. (2020). "Distinct roles of dorsal and ventral subthalamic neurons in action selection and cancellation" *Neuron*. doi: [10.1016/j.neuron.2020.12.025](https://doi.org/10.1016/j.neuron.2020.12.025)
2. **Mosher, C.P.**, Wei Y., Kaminski, J., Nandi, A., Mamelak, A., Anastassiou, C.A., Rutishauser U. (2020). "Cellular classes in the human brain revealed in vivo by heartbeat-related modulation of the extracellular action potential waveform." *Cell Reports*, 30(10): 3535-3551. doi: [10.1016/j.celrep.2020.02.027](https://doi.org/10.1016/j.celrep.2020.02.027)
3. Reed, C., **Mosher, C.P.**, Chandravadia, N., Chung, J., Mamelak, A., and Rutishauser, U. (2020). "Extent of single-neuron modulation by hippocampal interictal discharges predicts declarative memory disruption in humans." *The Journal of Neuroscience*. doi: [10.1523/JNEUROSCI.1380-19.2019](https://doi.org/10.1523/JNEUROSCI.1380-19.2019)
4. Morrow, J., **Mosher C.P.**, and Gothard, K.M. (2019). "Multisensory neurons in the primate amygdala." *The Journal of Neuroscience*, 3663-3675. doi: [10.1523/JNEUROSCI.2903-18.2019](https://doi.org/10.1523/JNEUROSCI.2903-18.2019)
5. Kaminski, J., Mamelak, A.N., Birch, K., **Mosher, C.P.**, Tagliati, M., & Rutishauser, U. (2018). "Novelty-sensitive dopaminergic neurons in the human substantia nigra predict success of declarative memory formation." *Current Biology*, 28: 1-11. doi: [10.1016/j.cub.2018.03.024](https://doi.org/10.1016/j.cub.2018.03.024)
6. Gothard, K.M., **Mosher, C.P.**, Zimmerman, P.E., Putnam, P.T., Morrow, J.K., & Fuglevand, A.J. (2018). "New perspectives on the neurophysiology of primate amygdala emerging from the study of naturalistic social behaviors." *Wiley Interdiscip Rev Cogn Sci*, 9: e1449. doi: [10.1002/wcs.1449](https://doi.org/10.1002/wcs.1449)
7. Minxha, J., **Mosher, C.P.**, Morrow, J.K., Mamelak, A.N., Adolphs, R., Gothard, K.M., & Rutishauser, U. (2016). "Fixations gate species-specific responses to free viewing of faces in the human and macaque amygdala." *Cell Reports*, 18: 878-891. doi: [10.1016/j.celrep.2016.12.083](https://doi.org/10.1016/j.celrep.2016.12.083)
8. Ballesta, S., **Mosher, C.P.**, Szep, J., Fischl, K.D., & Gothard, K.M. (2016) "Social determinants of spontaneous eye blinks in adult male macaques." *Scientific Reports*, 6: 38686. doi:

- [10.1038/srep38686](https://doi.org/10.1038/srep38686)
9. **Mosher, C.P.**, Zimmerman, P.E., Fuglevand, A.J., & Gothard, K.M. (2016). "Tactile stimulation of the face and the production of facial expressions activate neurons in the primate amygdala." *eNeuro*, 3(5): 1-9. doi: [10.1523/ENEURO.0182-16.2016](https://doi.org/10.1523/ENEURO.0182-16.2016)
 10. **Mosher, C.P.** & Rudebeck, P.H. (2015). "The amygdala accountant: new tricks for an old structure." *Nature Neuroscience*, 18: 324-325. doi: [10.1038/nn.3949](https://doi.org/10.1038/nn.3949)
 11. **Mosher, C.P.**, Zimmerman, P.E., & Gothard, K.M. (2014). "Neurons in the monkey amygdala detect eye-contact during naturalistic social interactions." *Current Biology*, 24: 2459-2464. doi: [10.1016/j.cub.2014.08.063](https://doi.org/10.1016/j.cub.2014.08.063)
 12. **Mosher, C.P.**, Zimmerman, P.E., & Gothard, K.M. (2011). "Videos of conspecifics elicit interactive looking patterns and facial expressions in monkeys." *Behavioral Neuroscience*, 125: 639-652. doi: [10.1037/a0024264](https://doi.org/10.1037/a0024264)
 13. **Mosher, C.P.**, Zimmerman, P.E., & Gothard, K.M. (2010) "Response characteristics of basolateral and centromedial neurons in the primate amygdala." *J Neurosci*, 30: 16197-207. doi: [10.1523/JNEUROSCI.3225-10.2010](https://doi.org/10.1523/JNEUROSCI.3225-10.2010)
 14. Laine, C.M., Spitzler, K.S., **Mosher, C.P.**, & Gothard, K.M. (2009) "Behavioral triggers of skin conductance responses and their neural correlates in the primate amygdala." *J Neurophysiol*, 101: 1749-1754. doi: [10.1152/jn.91110.2008](https://doi.org/10.1152/jn.91110.2008)

In preparation:

- Young, M.E., Spencer-Salmon, C., **Mosher, C.P.**, Tamang, S., Rajan, K., Rudebeck, P.H., "Temporally specific sequences of neural activity across interconnected corticolimbic structures during reward anticipation." *BioRxiv*. doi: <https://doi.org/10.1101/2020.12.17.423162>
- Zheng, J., Schjoten, A.G.P., Yebra, M., **Mosher, C.P.**, Kalia, S., Valiante, T.A., Mamelak, A.N., Kreiman, G., Rutishauser, U. *BioRxiv*. doi: <https://doi.org/10.1101/2021.01.16.426538>
- Perich, M.G., Arlt, C., Soares, S., Young, M.E., **Mosher, C.P.**, Minxha, J., Carter, E., Rutishauser, U., Rudebeck, P.H., Harvey, C.D., Rajan, K. "Inferring brain-wider interactions using data-constrained recurrent neural network models." *BioRxiv*. doi: <https://doi.org/10.1101/2020.12.18.423348>

Science editorial writing

1. **Mosher, C.P.** (2015). "How to grow stronger without lifting weights." *Scientific American: Mind Matters*.

Meeting abstracts

- Mosher, C.P.**, Mamelak, A.N., Malekmohammadi, M., Choi, J.W., Pouratian, N., Rutishauser, U. (2020). "Neurons in dorsal and ventral subthalamic nucleus play distinct roles in action selection and cancellation." Brain Initiative Investigators Meeting (*Online*).
- Mosher, C.P.**, Wei, Y., Kaminski, J., Nandi, A., Mamelak, A.N., Anastassiou, C.A., & Rutishauser, U. (2019). "Cellular classes in the human brain revealed by heartbeat-related modulation of the extracellular action potential waveform." Allen Institute Showcase. Seattle, WA.
- Mosher, C.P.**, Wei, Y., Kaminski, J., Nandi, A., Mamelak, A.N., Anastassiou, C.A., & Rutishauser, U. (2019). "Cardiac-related modulation of the extracellular action potential in vivo reveals multiple cells classes in the human hippocampus." The Society for Neuroscience, Neuroscience Meeting Planner, Chicago IL: Society for Neuroscience.
- Mosher, C.P.**, Wei, Y., Kaminski, J., Nandi, A., Mamelak, A.N., Anastassiou, C.A., & Rutishauser, U. (2019). "Cardiac-related modulation of the extracellular action potential in vivo reveals multiple cells classes in the human hippocampus." The Society for Neuroscience, Neuroscience Meeting Planner, Chicago IL: Society for Neuroscience.

- Pouratian, N., Rutishauser, U., Aron, A., Malekmohammadi, M., Choi, J.W., Andersen, R., Christopoulos, V., **Mosher, C.P.** (2018). "Spectral-spatial separation of motor conflict and stopping in the basal ganglia-cortical circuits." The BRAIN Initiative Investigators Meeting. Bethesda, MD.
- Young, M.E., Esannason, K.D., Tamang, S., **Mosher, C.P.**, & Rudebeck, P.H. (2017). "Subcallosal anterior cingulate cortex, ventral striatum, and amygdala encode distinct aspects of reward." The Society for Neuroscience, Neuroscience Meeting Planner. Washington DC: Society for Neuroscience.
- Stoll, F.M., **Mosher, C.P.**, Tamang, S., Murray, E.A., & Rudebeck, P.H. (2017). "Amygdala input differentially influences prefrontal local field potential and single neuron encoding of reward-based decisions." The Society for Neuroscience, Neuroscience Meeting Planner. Washington DC: Society for Neuroscience.
- Morrow, J.K., **Mosher, C.P.**, & Gothard, K.M. (2017). "Tactile stimulation of the face and body elicit neural activity in the monkey amygdala." The Society for Neuroscience, Neuroscience Meeting Planner. Washington DC: Society for Neuroscience.
- Zimmerman, P.E., Morrow, J.K., **Mosher, C.P.**, & Gothard, K.M. (2017). "Neurons in the primate amygdala respond to tactile, auditory, and visual stimuli." The Society for Neuroscience, Neuroscience Meeting Planner. Washington DC: Society for Neuroscience.
- Tamang, S., **Mosher C.P.**, Rudebeck, P.H. (2016). "Neural correlates of positive affect in subcallosal anterior cingulate cortex and amygdala." The Society for Neuroscience, Neuroscience Meeting Planner. San Diego, CA: Society for Neuroscience.
- Mosher C.P.**, Tamang, S., Murray, E.A., & Rudebeck, P.H. (2015). "Effects of amygdala lesions on local field potentials in the primate prefrontal cortex during a reward-guided task." The Society for Neuroscience, Neuroscience Meeting Planner. Chicago, IL: Society for Neuroscience.
- Mosher, C.P.**, Zimmerman, P.E., Gothard, Fuglevand, A.J., & Gothard, K.M. (2013). "Single unit activity in the monkey amygdala during the production of facial expressions." Gordon Research Conference: Amygdala in Health and Disease. Easton, MA.
- Gothard, K.M., Zimmerman, P.E., & **Mosher, C.P.** (2013). "Neurons in the monkey amygdala detect eye-contact during naturalistic social interactions." Gordon Research Conference: Amygdala in Health and Disease. Easton, MA.
- Mosher, C.P.**, Zimmerman, P.E., & Gothard, K.M. (2012). "Eye contact, a fundamental building block of social behavior, engages single unit activity in the monkey amygdala." Organization for Computational Neurosciences. Decatur, GA.
- Mosher, C.P.**, Zimmerman, P.E., & Gothard, K.M. (2012). "Tactile stimulation of the face activates single units in the monkey amygdala." Organization for Computational Neurosciences. Decatur, GA.
- Zimmerman, P.E., **Mosher, C.P.**, & Gothard, K.M. (2012). "Looking at the eyes engages single unit activity in the primate amygdala during naturalistic social interactions." The Society for Neuroscience, Neuroscience Meeting Planner. New Orleans, LA: Society for Neuroscience.
- Gothard, K.M., Zimmerman, P.E., & **Mosher, C.P.** (2012). "Single unit activity in the primate amygdala discriminates social stimuli in a complex scene." The Society for Neuroscience, Neuroscience Meeting Planner. New Orleans, LA: Society for Neuroscience.
- Fuglevand, A.J., Zimmerman, P.E., **Mosher, C.P.**, & Gothard, K.M. (2012). "Single unit activity in the primate amygdala during the production of facial expressions." The Society for Neuroscience, Neuroscience Meeting Planner. New Orleans, LA: Society for Neuroscience.
- Mosher, C.P.**, Zimmerman, P.E., & Gothard, K.M. (2010). "Dissociation of attention and emotion-related neural activity in the nuclei of the primate amygdala." The Society for Neuroscience, Neuroscience Meeting Planner. Washington DC: Society for Neuroscience.
- Gothard, K.M., Zimmerman, P.E., Stib, M.T., Farshad, K.M., & **Mosher, C.P.** "Gaze following and

- anticipation of monkeys viewing videos with social content." The Society for Neuroscience, Neuroscience Meeting Planner. Washington DC: Society for Neuroscience.
- Zimmerman, P.E., **Mosher, C.P.**, Farshad, K.M., Stib, M.T., & Gothard, K.M. "Individual differences in habituation of visual exploration and facial expression reciprocation in monkeys looking at videos with social content." The Society for Neuroscience, Neuroscience Meeting Planner. Washington DC: Society for Neuroscience.
- Mosher, C.P.**, Zimmerman, P.E., & Gothard, K.M. (2008). "State-dependent modulation of neural activity in the monkey amygdala; single unit and EEG activity during social stimulation and sleep." Neuroscience Meeting Planner. Washington DC: Society for Neuroscience.
- Mosher, C.P.**, Brooks, K.N., Spitler, K.M., Zimmerman, P.E., Wilder, T., & Gothard, K.M. (2006). "Enhanced skin conductance responses elicited by facial expressions with averted gaze in Rhesus macaques." Neuroscience Meeting Planner. Atlanta, GA: Society for Neuroscience.

Non-scientific publications:

- Mosher, C.P.** (2008). "Ammachi." *Persona Magazine of Art and Literature: Celebrating 30 Years of Excellence*. Sacha Meschkow (Editor), 30: 72-78.

OPEN-SOURCE RESOURCES

GitHub (@cpmosh)

Cell Classifier: A tool for classifying neuron types based on the extracellular action potential waveform (related to *Mosher et al., 2020*), <https://github.com/rutishauserlab/cellclassifier>

Open Science Framework OSF

Data for: Distinct roles of dorsal and ventral subthalamic neurons in action selection and cancellation (related to *Mosher et al., 2021*), <https://osf.io/jd5uc/>

MENTORING

Programs

Mahider Gessesse, California Institute of Technology, Los Angeles, CA
SURF Program mentor (2020, 2021)

Adishree Ghataree, California Institute of Technology, Los Angeles, CA
SURF Program mentor (2021)

As a senior lab member

Sarita Tamang, Mt. Sinai Hospital, New York, NY
Jeremiah K. Morrow, The University of Arizona, AZ
Michelle Mangana-Mendoza, The University of Arizona, AZ
Kayven Farshad, The University of Arizona, Tucson, AZ
Miranda Andersen, The University of Arizona, Tucson, AZ
Susma Ghimere, The University of Arizona, Tucson, AZ
Gabby Lacy, The University of Arizona, Tucson, AZ

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RELATED SKILLS

Certifications

Facial Action Coding System, Certified by Paul Ekman Group
Graduate Certificate in Statistics

Software Proficiencies

MatLab, Psychtoolbox, Qualtrics, Neurobehavioral Systems Presentation, MonkeyLogic, iMotions, CED Spike 2, Plexon, AlphaOmega Neuro Omega, Neuralynx, CorelDraw, Adobe Illustrator, Adobe Premiere

Hardware Proficiencies

EyeTracking (ISCAN, Arrington), Acute Single Unit Recording (Thomas Eckhorn Drive, NAN), Data Acquisition (CED 1401, Neuralynx), Skin Conductance (PsychLab, BioPac, Shimmer, CED Skin Conductance Unit), EKG Photoplethysmography and Electromyography (Grass Amplifier, BioPac), Local Field Potential (Neuralynx)