

Shannon Burns, Ph.D.

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EDUCATION

Ph.D., Social Psychology (minor: Quantitative Psychology)	University of California – Los Angeles	2020
M.A., Social Psychology	University of California – Los Angeles	2016
B.A., Psychology	Pomona College	2015

PUBLICATIONS

Burns, S.M., Barnes, L.N., McCulloh, I.A., Dagher, M.M., Falk, E.B., Storey, J.D., & Lieberman, M.D. (2019). Making social neuroscience less WEIRD: Using fNIRS to measure neural signatures of persuasive influence in a Middle East participant sample. *Journal of Personality and Social Psychology, 116*(3), e1-e11. doi: 10.1037/pspa0000144

Burns, S.M., Barnes, L.N., Katzman, P.L., Ames, D.L., Falk, E.B., & Lieberman, M.D. (2018). A functional near infrared spectroscopy (fNIRS) replication of the sunscreen persuasion paradigm. *Social Cognitive and Affective Neuroscience, 13*(6), 628-636.

Lieberman, M.D., **Burns, S.M.**, Torre, J.B., & Eisenberger, N.I. (2016). Reply to Wager et al: Pain and the dACC: The importance of hit rate-adjusted effects and posterior probabilities with fair priors. *Proceedings of the National Academy of Sciences, 113*, E2476-E2479.

MANUSCRIPTS IN PREPARATION

Burns, S.M. & Lieberman, M.D. (in prep). The use of fNIRS for unique contributions to social and affective neuroscience. Preprint: <https://psyarxiv.com/kygbm>

Cooper-White, M.A., Gillespie, G.G., **Burns, S.M.**, McCulloh, I.A., Ames, D.L., Dagher, M.M., Falk, E.B., & Lieberman, M.D. (submitted). Neural reference groups: A synchrony-based classification approach for predicting attitudes using fNIRS.

Sahi, R., Cooper-White, M.A., Gan, S., Lee, M., Hazlett, L., **Burns, S.M.**, Lieberman, M.D., Shamay-Tsoory, S., & Eisenberger, N.I. (submitted). Silent support: Consoling touch shapes the processing and long-term experience of emotional distress.

Burns, S.M., Barnes, L.N., & Lieberman, M.D. (in prep). Behavioral and neural differences in empathy as a function of shared experience.

Burns, S.M., & Lieberman, M.D. (in prep). The effect of ambiguity on neural processing of perceived emotion.

Burns, S.M., Dale, R., & Lieberman, M.D. (in prep). Decision-making partners coordinate brain state transitions during interaction.

Ames, D.L., Cooper-White, M.A., **Burns, S.M.,** Gillespie, G.S.R., Tan, K., & Lieberman, M.D. (in prep). “I did” vs. “You should”: Neural predictors of persuasion in response to descriptive and prescriptive messages.

Barnes, L.N., **Burns, S.M.,** & Lieberman, M.D. (in prep). Interpersonal neural dynamics underlying empathy and shared experience.

ORAL PRESENTATIONS

**indicates presenting author*

***Burns, S.M.,** Barnes, L.N., Dale, R., & Lieberman, M.D. (Sep 2019). Dynamic neural systems in natural social interaction. Invited talk presented at University of Pennsylvania & Princeton University.

***Burns, S.M.,** Cooper-White, M.A., Barnes, L.N., McCulloh, I.A., Dagher, M.M., Falk, E.B., Storey, J.D., & Lieberman, M.D. (Feb 2018). Cross-cultural examination of brain indicators of persuasion. Symposium talk at the *Society for Personality and Social Psychology Annual Convention*. Atlanta, GA.

***Burns, S.M.,** Barnes, L.N., Katzman, P.L, Ames, D.L., Falk, E.B., McCulloh, I.A., Dagher, M.M., Storey, J.D., & Lieberman, M.D. (May 2017). Neuroscience beyond the scanner: Social brain processes in real-world contexts. Invited talk presented at UCLA Psychology Department.

POSTER PRESENTATIONS

**indicates presenting author*

***Burns, S.M.,** Barnes, L.N., & Lieberman, M.D. (Feb 2020). Behavioral and neural differences in empathy as a function of shared experience. Presented at the *Society for Personality and Social Psychology Annual Convention*. New Orleans, LA.

***Burns, S.M.,** Dale, R., & Lieberman, M.D. (Feb 2020). Interpersonal coordination of neural dynamics during dyadic decision-making. Presented at the *American Association for the Advancement of Science Annual Meeting*. Seattle, WA.

- *Burns, S.M.** & Lieberman, M.D. (May 2019). Coordinated neural state transitions during interpersonal communication. Presented at the *Annual Meeting of the Social & Affective Neuroscience Society*. Miami, FL.
- *Cooper-White, M.A., Gillespie, G.S.R., **Burns, S.M.**, McCulloh, I.A., Ames, D.A., Dagher, M.M., & Lieberman, M.D. (May 2019). Neural partisanship in the Middle East: An fNIRS study. Presented at the *Annual Meeting of the Social & Affective Neuroscience Society*. Miami, FL.
- *Burns, S.M.**, Barnes, L.N., McCulloh, I., Dagher, M., Falk, E.B., & Lieberman, M.D. (Apr 2018). Making social neuroscience less WEIRD: Neural signatures of persuasive influence in the Middle East as measured with fNIRS. Presented at the *Annual Meeting of the Social & Affective Neuroscience Society*. Brooklyn, NY.
- *Burns, S.M.**, Barnes, L., Katzman, P., & Lieberman, M.D. (Apr 2017). Neural predictors of persuasion-induced behavior change, as measured with fNIRS. Presented at the *Annual Meeting of the Social & Affective Neuroscience Society*. Los Angeles, CA.
- *Burns, S.M.** & *Ragsdale, A. (Aug 2014). Measuring rTPJ activity in response to theory of mind task using fNIRS. Presented at the *Pomona College Annual Summer Undergraduate Research Poster Conference*. Claremont, CA.

AWARDS & HONORS

Shelley Taylor Dissertation Award – for an outstanding doctoral dissertation in social psychology – UCLA Psychology Department	2020
UCLA Dissertation Year Fellowship (\$20,000)	2019
Collegium of University Teaching Fellowship – one of 20 graduate students across UCLA selected for teaching merit, awarded opportunity to design and teach own class	2019
Harold H. Kelley Award – for a meritorious research paper addressing basic issues or theory - UCLA Psychology Department	2018
Society for Personality and Social Psychology Student Travel Award (\$500)	2017
National Science Foundation Graduate Research Fellowship (\$34,000/year for 3 years)	2016

TEACHING & MENTORING

Overall average teaching score: 8.2/9

Instructor of Record	Psychology of the Mob, UCLA – developed and individually taught discussion and writing-based seminar class	2020
Teaching Assistant	Neuroscience of Social Perception, UCLA – Grade reading responses and exams, guest lecture on neuroscience research methods	2019
	Social Influence, UCLA – Grade research papers, assist students in study guide development, guest lecture on the neuroscience of social influence	2018
	Intimate Relationships, UCLA – Lead review sessions	2018
	Social Psychology, UCLA – Lead 2 discussion sections connected to course, grade reading responses and exams	2017
	Human Brain Laboratory, Pomona College – Guide students in learning research methods in lab, grade final research projects, guest lecture on social cognition in the brain	2015
	Introduction to Psychology, Pomona College – Grade quizzes, guest lecture on designing surveys for research	2014
Student Mentoring	Principal supervisor for 16 independent research students – train students in research methods and guide their development of independent research projects.	2017-2020
Research Training	Workshop creator and instructor – Design and teach 3-day bootcamp on fNIRS data collection and analysis for graduate and undergraduate members of research lab	2019

SPECIALIZED TRAINING & SKILLS

Brain Imaging: Functional near infrared spectroscopy; functional magnetic resonance imaging

Programming Languages: Matlab, Python, R

Other Relevant Computing Software: SPM, SPSS

Summer School in Social Neuroscience and Neuroeconomics – Duke 2019

Curriculum Vitae - Shannon Burns

University

São Paulo School of Advanced Science on Social and Affective Neuroscience 2018
- Universidade Presbiteriana Mackenzie – São Paulo, Brazil

Methods in Neuroscience at Dartmouth Training Course - Dartmouth 2017
University

Summer Training Course in fMRI - University of Michigan 2016

Functional Near Infrared Spectroscopy Intensive Course - MGH/HST 2015
Athinoula A. Martinos Center for Biomedical Imaging
Massachusetts General Hospital

CONSULTING EXPERIENCE

Resonance, Inc. Create cognitive and neural tests for predicting 2018-present
optimal employee workgroup compositions

ORB International & Use neural indicators of persuasion to develop 2016-2017
IIACSS personalized public health messaging in
Amman, Jordan

SERVICE & PROFESSIONAL ACTIVITIES

Ad-hoc reviewer for *Social, Cognitive, & Affective Neuroscience; Social 2016-present*
Neuroscience; Emotion; IEEE; Psychosomatic Medicine;

Writing & Reviewing Mentor 2018-present
Undergraduate Research Journal of Psychology
UCLA

Social Area Speaker Event Coordinator 2017
UCLA Department of Psychology

Social Area Student Representative 2016-2017
UCLA Department of Psychology

Speaker Event Coordinator 2015-2016
Association for Underrepresented Graduate Students in Psychology
UCLA

AFFILIATIONS

Social & Affective Neuroscience Society
Society for Social Neuroscience
Society for Personality and Social Psychology

REFERENCES

Dr. Matthew Lieberman – lieber@ucla.edu – (310) 206-4050
Dr. Carolyn Parkinson – cparkinson@ucla.edu – (310) 206-8177
Dr. Rick Dale – rdale@ucla.edu – (310) 794-7193