

# Eshin Jolly

University of California San Diego  
Dept of Psychology (Mandler Hall)  
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[website](#) | [github](#) | [twitter](#) | [bluesky](#) | [linkedin](#)

## Currently

### Assistant Professor

Jan 2025–

Department of Psychology  
*University of California San Diego*  
PI: Social Computations and Interacting Minds Research Studio (Sciminds)

## Education & Training

### Postdoctoral Fellow

2020–2024

Consortium for Interacting Minds  
Center for Cognitive Neuroscience  
*Dartmouth College (Hanover, NH)*  
Mentors: [Emily Finn](#), [Luke Chang](#), [Thalia Wheatley](#), [Jeremy Manning](#)

### PhD, Cognitive Neuroscience

2012–2019

NSF Graduate Fellow  
*Dartmouth College (Hanover, NH)*  
Thesis: Social Cognitive Maps: A Relational Account of Person Representation and Memory  
Committee: [Luke Chang](#), [Thalia Wheatley](#), [Jeremy Manning](#), [Janice Chen](#)

### BA, Brain and Cognitive Science; Psychology

2006–2010

Minor: Music & Jazz Performance  
*University of Rochester (Rochester, NY)*  
Thesis: Testing Domain Specificity: Conceptual Knowledge of Living and Non-living Things  
Committee: [Jessica Cantlon](#), [Brad Mahon](#), [Elissa Newport](#)

### Microsoft Research PhD Intern

2016

*MSR Computational Social Science Group (NYC, NY)*  
PIs: [Duncan Watts](#) & [Sid Suri](#)

### Lab Manager

2010–2012

*Harvard University (Cambridge, MA)*  
PI: [Jason Mitchell](#)

### Research Assistant

2008–2010

*Baruch College (NYC, NY)*  
PI: [Jennifer Mangels](#)

### Research Assistant

*Mt Hope Family Center, University of Rochester (Rochester, NY)*  
PIs: [Sheree Toth](#) & [Jack Peltz](#)

## Industry Consulting

### Senior UX/UI Engineer & Designer

2023–2025

*MoreMore AI*  
*Film & media arts startup*

<b>Scientific Advisor</b> <a href="#">Parsnip.ai</a> <i>Food and ed-tech startup</i>	2022–Present
<b>Co-Founder &amp; CTO</b> <a href="#">Parsnip.ai</a> <i>Food and ed-tech startup</i>	2020–2022
<b>Scientific Advisor</b> <a href="#">The Sukhi Project</a> <i>Employee well-being and mental health startup</i>	2020
<b>Project Manager; Technical Support Lead</b> <a href="#">Code for America (Upper Valley Brigade)</a> <i>Rural Internet Project</i>	2019–2023

## Funding

<b>Collaborator</b> <i>U.S. Army Research Institute, (\$839,635, PI: <a href="#">Michael E. McCullough</a>)</i> Validated Measurement of Internalized Prosocial Motivation, with Implications for Teamwork	Aug 2025–
<b>Postdoctoral Fellow</b> <i>National Science Foundation, Career Award 1848370 (\$886,457, PI: <a href="#">Luke Chang</a>)</i> Neural and computational basis of guilt in decision-making (co-written)	2019–2024
<b>Graduate Fellow</b> <i>National Science Foundation, Graduate Research Fellowship (\$90,000)</i> Uncovering the representation of self: A multivariate approach	2013–2016

## Academic Teaching

<b>Social Cognition</b> Lecturer - Undergraduate UCSD PSYC-137 (~350) <i>University of California San Diego (La Jolla, CA)</i>	2025–Present
<b>Statistical Intuitions for Social Scientists</b> Lecturer - Graduate UCSD PSYC-201B (~15) <i>University of California San Diego (La Jolla, CA) [<a href="#">Open Materials</a>]</i>	2025–Present
<b>Computing Fundamentals Workshop</b> Co-Lecturer - Graduate (w/ <a href="#">Bria Long</a> ) 1st year PhD Workshop (~15) <i>University of California San Diego (La Jolla, CA) [<a href="#">Open Materials</a>]</i>	2025–Present

## Manuscripts

Kwon, D. <b>Jolly, E.</b> , Chang, L.J., Shim, W.M. (in prep). Allocentric and egocentric representations of social relationships emerge from naturalistic social gameplay.	In Prep
Kwon, D. <b>Jolly, E.</b> , Chang, L.J., Shim, W.M. (in prep). Modeling dynamics social interactions reveals neural representations of multidimensional social relational knowledge.	

Choi, Y.J., **Jolly, E.**, Smith A., Gangadharan, A.A., Hoidal, A.S. & Chang, L.J. (in prep). Balancing Guilt and Costs: The Role of Emotions and Exogenous Constraints for End-of-Life Care

**Jolly, E.**, Sadhukha, S., Iqbal, M., Chen, J. & Chang, L.J. (in prep). Person memory is supported by the neural reinstatement of social interactions.

Le, K.\* Jadhav, A.\* & **Jolly, E.** (in prep). Statistical Intuitions for Social Scientists. [[open course materials](#)] \*Equal contribution

Varrier, R.S., Su, Z. Liang, Q., Benson, T. **Jolly, E.**, & Finn, E.S. (under review). Shared and individual tuning curves for social vision. [[bioRxiv preprint](#)] 2025

**Jolly, E.**, Sadhukha, S., Iqbal, M., Molani, Z., Walsh, T.M., Manning, J.R., & Chang, L.J. (under revision). People are represented and remembered through their relationships with others. [[psyarxiv preprint](#)]

Gao, X., **Jolly, E.**, Yu, H., Liu, H., Zhou, X., & Chang, L.J. (2024). The psychological, computational, and neural foundations of indebtedness. *Nature Communications*. [[Link](#)] 2024

**Jolly, E.\***, Cheong, J.H.\*, Xie, T.\*, Byrne, S. Kenny, M., & Chang, L.J. (2023). Py-Feat: Python Facial Expression Analysis Toolbox. *Affective Science*. [[Link](#)] [[toolbox](#)] \*Equal contribution 2023

**Jolly, E.**, Farrens, M., Greenstein, N., Eisenbarth, H., Reddan, M.C., Andrew, E., Wager, T.D., & Chang, L.J. (2022). Recovering individual emotional states from sparse ratings using collaborative filtering. *Affective Science*. [[Link](#)] [[toolbox](#)] [[data & materials](#)] 2022

**Jolly, E.** & Chang, L.J. (2021). Multivariate spatial feature selection in fMRI. *Social Cognitive and Affective Neuroscience*, 16(8), 795-806. [[Link](#)] 2021

**Jolly, E.** & Chang, L.J. (2021). Gossip drives vicarious learning and facilitates social connections. *Current Biology*, 31, 1-11. [[Link](#)] [[data & materials](#)] Coverage: [New York Times](#), [VPR News](#), [PNAS Journal Club](#)

Chang, L.J., **Jolly, E.**, Cheong, J.H., Rapuano, K., Greenstein, N., Chen, P.A., & Manning, J.R. (2021). Endogenous variation in ventromedial prefrontal cortex state dynamics during naturalistic viewing reflects affective experience. *Science Advances*, 7(17), 1-17. [[Link](#)] [[data & materials](#)]

**Jolly, E.\***, Sadhukha, S.\*, & Chang, L.J. (2020). Response to Lynch et al: On measuring head motion and effects of head molds during fMRI. *NeuroImage*, 117484. [[Link](#)] [[data & materials](#)] 2020

**Jolly, E.\***, Sadhukha, S.\*, & Chang, L.J. (2020). Custom-molded headcases have limited efficacy in reducing head motion during naturalistic fMRI experiments. *NeuroImage*, 117207. [[Link](#)] [[data & materials](#)] \*Equal contribution

Chen, P.H.A., **Jolly, E.**, Cheong, J.H., & Chang, L.J. (2020). Intersubject representational similarity analysis reveals individual variations in affective experience when watching erotic movies. *NeuroImage*, 116851. [[PDF](#)] [[data & materials](#)]

- Chen, P.H.A., Cheong, J.H., **Jolly, E.**, Elhence, H., Wager, T.D., & Chang, L.J. (2019). Socially transmitted placebo effects. *Nature Human Behavior*, 3, 1295-1305. [PDF] [data & materials] 2019
- Jolly, E.\***, Tamir, D.I.\*, Burum, B.A., & Mitchell, J.P. (2019). Wanting without enjoying: The social value of sharing experiences. *PLoS One*, 14(4), e0215318. [PDF] [data & materials] \*Equal contribution
- Jolly, E.**, & Chang, L.J. (2019). The Flatland Fallacy: Moving Beyond Low Dimensional Thinking. *Topics in Cognitive Science*, 1-22. [PDF] [figure & simulation code]
- Jolly, E.** (2018). Pymer4: Connecting R and Python for linear mixed modeling. *Journal of Open Source Software*, 3(31), 862. [PDF] [documentation site] 2018
- Chang, L. J. & **Jolly E.** (2018). Emotions as computational signals of goal error. In A. Fox, R. Lapate, A. Shackman & R. Davidson (Eds), *The Nature of Emotion* (343-351). Oxford University Press. [PDF]
- Cheong, J.C., **Jolly, E.**, Sul, S., & Chang, L.J. (2017). Computational Models in Social and Affective Neuroscience in Moustafa, A. (Eds), *Computational Models of Brain and Behavior* (229-245). Hoboken, NJ: Wiley. [Link] 2017
- Rane, S.\*, **Jolly, E.\***, Park, A.\*, Jang, H\*., & Craddock, R.C. (2017). Developing predictive biomarkers using whole-brain classifiers: Application to the ABIDE I dataset. *Research Ideas and Outcomes*, 3:e12733. [PDF]. \*Equal contribution
- Moran, J.M., **Jolly, E.**, & Mitchell, J.P. (2014). Spontaneous mentalizing predicts the fundamental attribution error. *Journal of Cognitive Neuroscience*, 26(3), 569-576. [PDF] 2011-2016
- Moran, J.M., **Jolly, E.**, & Mitchell, J.P. (2012). Social-cognitive deficits in normal aging. *Journal of Neuroscience*, 32(16), 5553-5561. [PDF]
- Jolly, E.** (2011). Testing domain specificity: Conceptual knowledge of living and non-living things. *The Yale Review of Undergraduate Research in Psychology*, 2, 94-118. [PDF]

## Open Scientific Software

- Py-feat** 2022-Present  
 Analysis of facial expressions from images and videos, (Core Developer)  
 [Documentation] [Slides] [Github]  
 downloads 90k
- Neighbors** 2020-Present  
 Predicting affective responses from sparse measurement data, (Project Author)  
 [Documentation] [Github]  
 downloads 23k
- SvelteTurk**  
 Graphical User Interface for managing experiments on Mturk, (Project Author)  
 [Documentation] [Github]
- Pymer4** 2017-Present  
 Statistics library for estimating linear mixed-effects models, (Project Author)

[\[Documentation\]](#) [\[Github\]](#)

downloads 239k

### **Nltools**

*Toolbox for intuitively analyzing neuroimaging data, (Core Developer)*

[\[Documentation\]](#) [\[Video Talk\]](#) [\[Github\]](#)

downloads 264k

2016–Present

## Open Teaching

### **A computational perspective on love**

Guest Speaker

*Dartmouth College, Hanover, NH* [\[App\]](#)

2025

### **Towards a naturalistic science of social interactions**

Undergraduate Junior Honors, Guest Lecturer

*University of California San Diego*

### **Towards a naturalistic science of social interactions**

Graduate, Guest Lecturer

*University of California San Diego*

### **Towards a naturalistic science of social interactions**

Staff, Guest Lecturer

*University of California San Diego*

### **People are represented and remembered through their relationships with others**

Social Brown Bag, Speaker

*University of California San Diego*

### **Computational Social Affective Neuroscience Pre-conference**

Organizer and Lecturer

*Annual Meeting for the Social Affective Neuroscience Society (Toronto, CA)*

2024

### **Methods in Neuroscience at Dartmouth Summer School**

Invited Faculty

*Dartmouth College (Hanover, NH)* [\[Resources\]](#)

2023

### **Introduction to facial expression analysis with py-feat**

Tutorial at the Consortium for Interacting Minds

*Dartmouth College (Hanover, NH)* [\[Slides\]](#)

### **Introduction to version control for neuroscientists**

Lecturer and TA at MIND Summer School

*Dartmouth College (Hanover, NH)* [\[Resources\]](#) [\[Video\]](#)

2019

### **Introduction to version control for neuroscientists**

Lecturer and TA at MIND Summer School

*Dartmouth College (Hanover, NH)* [\[Resources\]](#) [\[Video\]](#)

2018

### **Computational tools for neuroscience: Jupyter notebooks**

Lecturer and TA at MIND Summer School

*Dartmouth College (Hanover, NH)* [\[Resources\]](#) [\[Video\]](#)

### **Functional Alignment Techniques in fMRI**

Lecture at Sao Paulo Summer School on Social and Affective Neuroscience (SPSAN)

*Mackenzie Presbyterian University (Sao Paulo, Brazil)*

### **Computational tools for neuroscience: Jupyter notebooks**

Lecturer and TA at MIND Summer School

2017

*Dartmouth College (Hanover, NH) [Resources] [Video]*

**Introduction to containers for reproducible research**

Lecturer and TA at MIND Summer School

*Dartmouth College (Hanover NH) [Resources]*

**Introduction to Git and Github for social psychologists**

Lecture at the Reproducible Psychological Science workshop

*Annual Meeting for the Association for Psychological Science (Boston, MA)*

**Introduction to jupyter notebooks (and why you should love them!)**

Tutorial at BrainHack Local

*Dartmouth College (Hanover, NH)*

**Online research methods for the experimental study of social behavior**

Research Methods, Guest Lecturer

*Dartmouth College (Hanover, NH)*

**Online research methods for the experimental study of social behavior**

2016

Research Methods, Guest Lecturer

*Dartmouth College (Hanover, NH)*

**The social benefits of gossip**

Social Psychology, Guest Lecturer

*Dartmouth College (Hanover, NH)*

**Contemporary fMRI pre-processing: Introduction to Nipype and Docker**

fMRI Methods, Guest Lecturer

*Dartmouth College (Hanover, NH)*

**fMRI Methods: Brain Mapping with functional MRI**

2015

Course TA and Guest Lecturer

*Dartmouth College (Hanover, NH)*

**Research Methods: Laboratory in Psychological Science\***

Course TA and Guest Lecturer

\*Mentored award winning undergraduate group

*Dartmouth College (Hanover, NH)*

**Introductory Statistics: Experimental Design and Methodology**

2014

Course TA and Guest Lecturer

*Dartmouth College (Hanover, NH)*

**Research Methods: Laboratory in Psychological Science**

2013

Course TA and Guest Lecturer

*Dartmouth College (Hanover, NH)*

**Introduction to MATLAB for Behavioral Research**

2011

Workshop organizer

*Harvard University (Cambridge, MA)*

**Mind Perception**

Workshop organizer

*Harvard University (Cambridge, MA)*

**Invited Talks &  
Presentations**

People are represented and remembered through their relationships with others.

2026

*Invited talk at University of California Santa Barbara (Santa Barbara, CA)*

<p>Towards a naturalistic science of social interactions: People are represented and remembered through their relationships with others.</p> <p><i>Invited talk at University of California Los Angeles (Los Angeles, CA)</i></p>	2025
<p>People are represented and remembered through their relationships with others.</p> <p><i>Symposium presentation at the Society for Experimental Social Psychology (SESP) (Santa Fe, NM)</i></p>	2024
<p>Person memory is supported by the neural reinstatement of social interactions.</p> <p><i>Symposium presentation at the Social Affective Neuroscience Society conference (Toronto, CA)</i></p>	
<p>Neural, Network, and Neural Network Approaches for Social Relationship Representation.</p> <p><i>Symposium organizer at the Social Affective Neuroscience Society conference (Toronto, CA)</i></p>	
<p>Introduction to Facial Expression Analysis.</p> <p><i>Presentation at the Computational Social Affective Neuroscience Society Pre-conference (Toronto, CA)</i></p>	
<p>Towards a naturalistic science of social interactions.</p> <p><i>Invited talk at the University of California San Diego (La Jolla, CA)</i></p>	
<p>Towards a naturalistic science of social interactions.</p> <p><i>Invited talk at the University of California Riverside (Riverside, CA)</i></p>	
<p>Towards a naturalistic science of social interactions.</p> <p><i>Invited talk at the Princeton University (Princeton, NJ)</i></p>	
<p>Towards a naturalistic science of social interactions.</p> <p><i>Invited talk at the University of Southern California (Los Angeles, CA)</i></p>	
<p>Towards a naturalistic science of social interactions.</p> <p><i>Invited talk at the University of Miami (Miami, FL)</i></p>	
<p>Towards a naturalistic science of social interactions.</p> <p><i>Invited talk at the Massachusetts Institute of Technology (virtual)</i></p>	
<p>Towards a naturalistic science of social interactions.</p> <p><i>Invited talk at the University of Notre Dame (Notre Dame, IN)</i></p>	
<p>Towards a naturalistic science of social interactions.</p> <p><i>Invited talk at the University of Florida Gainesville (Gainesville, FL)</i></p>	
<p>Representing and remembering people through their relationships.</p> <p><i>Invited talk at the MIND Summer School, Dartmouth College (Hanover, NH)</i></p>	2023
<p>The structure of social memory: People as contexts.</p> <p><i>Presentation at the Social and Affective Neuroscience Society conference (Santa Barbara, CA)</i></p>	
<p>Navigating the social world: A relational account of how we represent, remember, and talk about people.</p> <p><i>Invited talk at Stanford University (Stanford, CA)</i></p>	
<p>People as contexts: A relational account of person representation and memory.</p> <p><i>Invited talk for Innovators in Cognitive Neuroscience (virtual). <a href="#">[Video]</a></i></p>	

Spontaneous Neural Representations of Social Relationships in Naturalistic Contexts. <i>Symposium presentation at the International Society for Research on Emotion, USC (Los Angeles, CA)</i>	2022
Emotion and Social Perception in Naturalistic Contexts: Perspectives from Affective Computing and Affective Neuroscience. <i>Symposium organizer at the International Society for Research on Emotion, USC (Los Angeles, CA)</i>	
Methodological considerations in social and affective neuroscience. <i>Invited talk at NYU, Freeman Lab (NYC, NY)</i>	2021
Social Cognitive Maps: A Relational Account of Person Representation and Memory. <i>Invited talk at Harvard University, Somerville Lab (Cambridge, MA)</i>	2020
Why Design Abstractions Matters for Analytics Tools: Neuroimaging analysis with Neuro-Learn. <a href="#">[Video]</a> <i>Symposium presentation at the Scientific Computing with Python conference (virtual)</i>	
Spontaneous Neural Representations of Social Relationships in Naturalistic Contexts. <i>Symposium presentation at the Society for Affective Science conference (San Francisco, CA; cancelled due to COVID-19).</i>	
Methodological challenges in contemporary fMRI studies. <i>Invited talk at the Neuroimaging Analysis Methods meeting, Princeton University (Princeton, NJ)</i>	
Introduction to functional alignment methods for fMRI. <i>Invited lecture at the Sao Paulo School of Advanced Science on Social and Affective Neuroscience (Sao Paulo, Brazil)</i>	2018
Naturalistic approaches towards an understanding of social reasoning and communication. <i>Invited talk at Stanford University (Stanford, CA)</i>	2017
The social benefits of gossip <i>Presentation at the New England Research on Decision-Making conference, Brown University (Providence, RI)</i>	
Introduction to Git and Github for psychologists. <i>Invited talk at the Reproducible Psychological Science workshop at the Annual Meeting for the Association for Psychological Science (Boston, MA)</i>	
Interpersonal dynamics and the inelasticity of social guilt. <i>Invited talk at the Boston Area Moral Cognition Group (Boston, MA)</i>	
Interpersonal dynamics and the inelasticity of social guilt. <i>Invited talk at Affectiva Inc (Boston, MA)</i>	
Spontaneous impression-formation about parasocial relationships. <i>Presentation at the Social and Affective Neuroscience Society conference (Los Angeles, CA)</i>	
State of the Data: Annual Dartmouth Brain Imaging Center Quality Assurance Report. <i>Presentation at Dartmouth College (Hanover, NH)</i>	
Field experiments on human prosociality using Mechanical Turk. <i>Presentation at Microsoft Research (New York City, NY)</i>	2016



## The Social Benefits of Gossip.

*Presentation at the Social Brain Sciences Brown Bag (Dartmouth College, NH)*

### Posters & Conference Proceedings

Sadhukha, S. **Jolly, E.**, Jacoby, Nir., Choi, Y.J., Keller, B.T., Wager, T.D, Manning, J.R. Chang, L.J. (2025). Mapping Idiographic Affective Interpretations to Brain Activity using Semantic Embeddings.

2025

*Poster at the Society for Neurobiology of Language conference (Washington, D.C.)*

Kwon, D. **Jolly, E.**, Chang, L.J., Shim, W.M. (2025). Neural Representation of Social Relationship Graphs through Multidimensional Modeling of Dynamic Social Interactions.

*Poster at the Cognitive Computational Neuroscience conference (Amsterdam, The Netherlands)*

Choi, Y.J., **Jolly, E.** , Smith A., Gangadharan, A.A., Hoidal, A.S. & Chang, L.J. (2025). Balancing Guilt and Costs: The Role of Emotions and Exogenous Constraints for End-of-Life Care.

*Poster at the Social and Affective Neuroscience Society conference (Chicago, IL)*

Liang, Q., Varrier, R.S., Su, Z., Benson, T.G., **Jolly, E.**, Selesnick, J.M., Molfese, P.J. & Finn, E.S. (2025). Seeing is not being: Actively participating in an interaction changes social perception relative to passive viewing.

2024

*Poster at the Society for Neuroscience (Chicago, IL)*

Varrier, R.S., Su, Z., Benson, T.G., Liang, Q. Selesnick, J.M., **Jolly, E.**, Molfese, P.J. & Finn, E.S. (2025). Behavioral signatures of social signal detection.

*Poster at the Computational Cognitive Neuroscience conference (Cambridge, MA)*

**Jolly, E.**, Sadhukha, S., Iqbal, M., Molani, Z., Walsh, T.M., Manning, J.R., & Chang, L.J. (2024). Person memory is supported by the neural reinstatement of social interactions.

*Poster at the Organization for Human Brain Mapping conference (Seoul, South Korea)*

Kwon, D., **Jolly, E.**, Chang, L.J., & Shim, W.M. (2024). Neural representations of map and graph-based knowledge structures for two distinct types of social information during naturalistic social interaction.

*Poster at the Social and Affective Neuroscience Society conference (Toronto, CA)*

Varrier, R.S., Su, Z., Benson, T.G., Liang, Q. Selesnick, J.M., **Jolly, E.**, Molfese, P.J. & Finn, E.S. (2024). Behavioral and neural signatures of social signal detection.

*Poster at the Social and Affective Neuroscience Society conference (Toronto, CA)*

**Jolly, E.**, Sadhukha, S., Iqbal, M., Molani, Z., Walsh, T.M., Manning, J.R., & Chang, L.J. (2024). People are represented and remembered through their relationships with others.

*Poster at the Society for Personality and Social Psychology conference (San Diego, CA)*

**Jolly, E.**, Sadhukha, S., Iqbal, M., Molani, Z., Walsh, T.M., Manning, J.R., & Chang, L.J. (2023). The structure of social memory: People as contexts.

2023

*Poster at the Social and Affective Neuroscience Society conference (Santa Barbara, CA)*

Kwon, D., **Jolly, E.**, Chang, L.J., & Shim, W.M. (2023). Neural representations of dynamic social interactions.

*Poster at the 26th Annual Meeting of the Korean Society for Brain and Neural Sciences (Busan, Korea)*

- Jolly, E.**, Farrens, M., Greenstein, N., Eisenbarth, H., Reddan, M.C., Andrew, E., Wager, T.D., & Chang, L.J. (2022). Recovering individual emotional states from sparse ratings using collaborative filtering.  
*Poster at the Society for Affective Science conference (virtual)* 2022
- Jolly, E.** & Chang, L.J. (2021). Spontaneous Neural Representations of Social Relationships in Naturalistic Contexts.  
*Poster at the Social and Affective Neuroscience Society conference (virtual)* 2021  
**Winner Poster Award**
- Jolly, E.** (2020). Pymer4: Bringing R's Powerful Mixed-modeling to Python.  
*Poster at the Scientific Computing with Python conference (virtual)* 2020  
**Winner Scipy Scholarship**
- Jolly, E.** & Chang, L.J. (2019). Gossip drives vicarious learning and facilitates robust social connections.  
*Poster at the Social and Affective Neuroscience Society conference (Miami, FL)* 2019
- Cheong, J.C., Chen, P.A., **Jolly, E.**, Elhence, H., Wager, T.D., & Chang, L.J. (2019). Socially transmitted placebo effects.  
*Poster at the Society for Affective Science conference (Boston, MA)*
- Jolly, E.**, Reddan, M.C., Gianaros, P.J., Manuck, S.M. Chang, L.J., & Wager, T.D. (2018). NeuroLIME: A novel tool for explaining the predictions of complex brain models.  
*Poster at the Social and Affective Neuroscience Society conference (New York, NY)* 2018
- Reddan, M.C., **Jolly, E.**, & Wager, T.D. (2018). NeuroLIME: A novel tool for explaining the predictions of nonlinear neuroimaging classifiers.  
*Poster at the Organization for Human Brain Mapping conference (Singapore, Singapore)*
- Reddan, M.C., **Jolly, E.**, & Wager, T.D. (2018). NeuroLIME: A novel tool for explaining the predictions of nonlinear neuroimaging classifiers.  
*Poster at the Computational and Systems Neuroscience conference (Denver, CO)*
- Jolly, E.** & Chang, L.J. (2017). Gossip drives vicarious learning and facilitates robust social connections.  
*Poster at the Annual Meeting of the Association for Psychological Science (Boston, MA)* 2017
- Cheong, J.H., **Jolly, E.**, & Chang, L.J. (2017). A window into the mind: A computational approach to measuring emotions in response to naturalistic stimuli.  
*Poster the Social and Affective Neuroscience Society conference (Los Angeles, CA)*
- Jolly, E.** & Chang, L.J. (2016). Groups, gossip and social dilemmas.  
*Poster at the International Conference on Computational Social Science (Evanston, IL)* 2016
- Jolly, E.**, Tamir, D.I., & Mitchell, J.P. (2015). The social value of sharing experiences.  
*Poster at the Social and Affective Neuroscience Society conference (Boston, MA)* 2015  
**Winner Poster Award**
- Moran, J.M., **Jolly, E.**, & Mitchell, J.P. (2012). Spontaneous mentalizing supports the fundamental attribution error.  
*Poster at the Cognitive Neuroscience Society conference (Chicago, IL)* 2012
- Peltz, J.S. Toth, S.L., Rogosch, F.A., **Jolly, E.**, & Cicchetti, D. (2010). Paternal emotional availability's effects on children's socioemotional functioning in maternal depression contexts.  
*Poster at the Annual Meeting of the Association for Psychological Science (Boston, MA)* 2010

Awards	CIMER Mentorship Training <i>University of California San Diego</i>	2025
	ICN Talk Award <i>Innovators in Cognitive Neuroscience</i>	2023
	Trainee Data Blitz Award <i>Social and Affective Neuroscience Society</i>	
	Complex Systems Summer School (CSSS) <i>Santa Fe Institute</i>	2022
	Mistletoe Research Fellowship finalist <i>Dartmouth College</i>	2021
	SciPy Scholarship Award <i>Scientific Computing with Python Conference</i>	2020
	Poster Award <i>Social and Affective Neuroscience Society</i>	
	Kavli Summer Institute in Cognitive Neuroscience <i>UC Santa Barbara</i>	2019
	Thayer Consulting Case Competition 1st Place <i>Thayer School of Engineering, Dartmouth College</i>	
	Hack Dartmouth Finalist <i>Dartmouth College</i>	
	Hack Dartmouth Best Community Hack <i>Dartmouth College</i>	2018
	Sao Paulo Summer School on Social and Affective Neuroscience (SPSAN) <i>Mackenzie Presbyterian University, Sao Paulo</i>	
	Graduate Arts and Science Travel Award <i>Dartmouth College</i>	
	PBS Graduate Travel Award <i>Dartmouth College</i>	
	Neukom Institute Travel Award <i>Dartmouth College</i>	
	Graduate Alumni Research Award <i>Dartmouth College</i>	2017
	PBS Graduate Travel Award <i>Dartmouth College</i>	
	Methods in Neuroscience Computational Summer School <i>Dartmouth College</i>	
	Summer School in Social Neuroscience and Neuroeconomics <i>Duke University</i>	
	Trainee Data Blitz Award <i>Social and Affective Neuroscience Society</i>	

Human Neuroimaging Methods Travel Award <i>Organization for Human Brain Mapping</i>	
Hack Dartmouth 2nd Place project award <i>Dartmouth College, Thayer School of Engineering</i>	2016
Neurohackweek Summer School <i>University of Washington eScience Institute</i>	
Social Affective Neuroscience Society Poster Award <i>Social and Affective Neuroscience Society</i>	2015
PBS Graduate Travel Award <i>Dartmouth College</i>	
National Science Foundation Graduate Research Fellowship <i>Dartmouth College</i>	2013-2016
BCS Dept: Highest Honors in research <i>University of Rochester</i>	2010
Wilder-Trustee Scholarship <i>University of Rochester</i>	2006-2010

**Primary  
Mentorship**

<u>Jacob Zimmerman</u> PhD Student - Psychology <i>University of California San Diego</i>	2025-Present
<u>Jinwoo Lee</u> PhD Student - Psychology <i>University of California San Diego</i>	
<u>Chaolin Lin</u> PhD Student - Cognitive Science <i>University of California San Diego</i>	
<u>Aaron Broukhim</u> PhD Student - Computer Science <i>University of California San Diego</i>	
<u>Justin Moran</u> post-bacc Research Scientist <i>University of California San Diego</i>	
<u>Emma Seidfathi</u> Lab Coordinator & Research Assistant <i>University of California San Diego</i>	
Maxwell Ranger '22 Honors Thesis <i>Dartmouth College</i>	2021-2022
Maryam Iqbal '21 Presidential Scholar/Honors Thesis <i>Dartmouth College</i>	2017-2021
Max Farrens '20 Full-time Research Assistant	2019-2020

*Dartmouth College*

Nathan P. Greenstein '19

2017-2019

Presidential Scholar

*Dartmouth College*

Sushmita Sadhukha '18

Full-time Research Assistant

*Dartmouth College*

Arati A. Gangadharan '18

2015-2018

Honors Thesis

*Dartmouth College*

Hirsh Elhence '17

2015-2017

Presidential Scholar

*Dartmouth College*

### Additional Mentorship

Jae Kwon

2025-Present

PhD Student (2nd year) - Psychology - Qualifying Committee Member

*University of California San Diego*

Coxin Yang

PhD Student (2nd year) - Psychology - Qualifying Committee Member

*University of California San Diego*

Phuc Le Jian PhD Student (1st year) - Psychology - Qualifying Committee Member

*University of California San Diego*

Sophia North

PhD Student (1st year) - Psychology - Qualifying Committee Member

*University of California San Diego*

Grace Choi

2024-Present

PhD Student - Collaborator

*Dartmouth College*

Sushmita Sadhukha

PhD Student - Collaborator

*Dartmouth College*

Wasita Mahaphanit

2022-2024

PhD Student - Collaborator

*Dartmouth College*

Liza Begunova '21

2020-2021

Honors Thesis

*Dartmouth College*

### Leadership & Community

**SANS Representative (support)**

2025-Present

Federation of Associations in Behavioral & Brain Sciences

**Director-at-Large (Partnerships)**

2024-Present

Social & Affective Neuroscience Society.

<b>Committee Member</b> <u>Inclusivity, Diversity, and Culture Advisory Committee</u> <i>Dartmouth College, Hanover, NH</i>	2019-2022
<b>Board Member</b> <u>Dartmouth College Postdoctoral Association</u> <i>Dartmouth College, Hanover NH</i>	2020-2021
<b>VP of Client Outreach</b> <u>Dartmouth Graduate Consulting Group</u> <i>Dartmouth College, Hanover, NH</i>	2018-2020
<b>Co-Founder</b> <u>Line@ Project</u> <i>Dartmouth College, Hanover, NH</i>	2017-2020
<b>Organizing committee member</b> <i>Dartmouth Brainhack, Hanover, NH</i>	2017
<b>Station Leader</b> GWISE Science day for local middle schools <i>Dartmouth College, Hanover, NH</i>	2014
<b>Primary Organizer</b> Social Brain Sciences Symposium talk series <i>Dartmouth College, Hanover, NH</i>	2013-2015
<b>Graduate Representative</b> Social Area Graduate Student Representative <i>Dartmouth College, Hanover, NH</i>	

## Technical Skills

<b>Programming Languages</b> Python, Javascript, Matlab, R, Bash
<b>Frontend Web Development</b> HTML, CSS, Svelte, Vue
<b>Backend/Fullstack/App Development</b> Node, Express, Meteor, Mongodb, Firebase, Flask, Electron
<b>Stimulus Presentation</b> Psychopy, Psychophysics toolbox, E-prime, Presentation
<b>Data Analysis</b> Scientific-Python, Statsmodels, Scikit-learn, Lme4
<b>Neuroimaging Analysis</b> FSL, AFNI, SPM, Nipype, Nilearn
<b>Data Visualization</b> Seaborn/Matplotlib, D3, Dash/Plotly, ggplot
<b>Dev Ops</b> Git/Github, TravisCI, Tox, Pytest, Moab-Torque

## Professional Activities

<b>Reviewer</b> Cerebral Cortex, Neuroimage, Human Brain Mapping, SCAN, Neuropsychologia,
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Cognition and Emotion, JESP, PLoS One, GigaScience, JOSS, Nature Communications, SIGCHI, Frontiers in Psych, JPSP, JEP:G, Journal of Neuroscience, Scientific Reports

**Society Memberships**

Social and Affective Neuroscience Society, Society for Affective Science, Organization for Human Brain Mapping, Cognitive Neuroscience Society, Society for Personality and Social Psychology \_\_

Last updated: September 2025