

# Kevin Alastair M. Tan

---

Department of Psychology  
University of California, Los Angeles  
Franz Hall, 502 Portola Plaza  
Los Angeles, CA 90095

+1 952.465.4998  
[kevmtn@ucla.edu](mailto:kevmtn@ucla.edu)  
<http://kevmtn.github.io>  
Citizenships: USA, Philippines

## EDUCATION

---

**Carnegie Mellon University** • Pittsburgh, PA  
*B.S. Psychology – Cognitive Neuroscience*  
Minors: Neural Computation and History

September 2010 –  
May 2014

## AWARDS, FELLOWSHIPS, AND HONORS

---

Sigma Xi Best Poster Award (\$500)  
Dozzi Fellowship (\$1,000)  
Carnegie Mellon Institutional Scholarship (\$10,400)  
Carnegie Mellon Undergraduate Grant (\$22,100)  
Carnegie Mellon Dean's List

May 2014  
Summer 2012  
Fall 2010 – Spring 2014  
Fall 2010 – Spring 2014  
Spring 2012, Spring 2013

## RESEARCH EXPERIENCE

---

**Social Cognitive Neuroscience Lab** • University of California, Los Angeles  
*Research Associate*  
Advisors: Matthew D. Lieberman, Naomi I. Eisenberger

July 2016 –  
Present

**TarrLab** • Carnegie Mellon University  
*Lab Manager/Research Assistant*  
Advisor: Michael J. Tarr

July 2014 –  
July 2016

**Program in Cognitive Affective Neuroscience** • University of Pittsburgh  
*Undergraduate Researcher*  
Advisor: Greg J. Siegle

April 2012 –  
July 2014

**Carroll Lab** • University of Minnesota  
*Research Assistant*  
Advisor: Marilyn E. Carroll

May 2011 –  
August 2011

## WORKING MANUSCRIPTS

---

**K.M. Tan**, L.J. Burklund, M.G. Craske, M.D. Lieberman. (in prep). PTSD and the social brain: affect disrupts default network and mirror neuron activity during social inference.

**K.M. Tan**, M.J. Tarr. (in prep). Bottom-up or top-down? The spatiotemporal dynamics of affective object perception differ across valence strength.

M.D. Lieberman, M.A. Straccia, M.L. Meyer, M. Du, **K.M. Tan**. (under review). Social, self, situational, and affective processes in medial prefrontal cortex. *Psychological Inquiry*.

M. Moieni, **K.M. Tan**, J.M. Dutcher, K.A. Muscatell, T.K. Inagaki, N.I. Eisenberger. (in prep). Exposure to an inflammatory challenge attenuates reward network reactivity to expected rewards.

B.A. Tabak, P. Katzman, **K.M. Tan**, M.A. Straccia, M. Parrish, C. Leshak, M.D. Lieberman. (in prep). Effects of oxytocin and vasopressin on the neural circuitry of social cognition.

## CONFERENCE PRESENTATIONS

---

**K.M. Tan**, M.J. Tarr. (2016, April). *Valence-related visual encoding is dependent on valence strength prior to frontal affective processing*. Poster presented at the annual meeting of the Social and Affective Neuroscience Society, New York City, USA.

**K.M. Tan**, G.J. Siegle, T. Kraynak. (2014, May). *Toward a pathophysiology of rumination: dorsal nexus resting-state functional connectivity in depression before and after serotonergic or behavioral interventions*. Poster presented at the annual Meeting of the Minds conference, Carnegie Mellon University, USA.

**K.M. Tan**, L. Ferris, H.S. Lee. (2013, May). *Effect of room temperature on interpersonal attraction*. Poster presented at the biannual Research Methods Symposium, Carnegie Mellon University, USA.

## PROFESSIONAL AFFILIATIONS

---

Social and Affective Neuroscience Society  
Association for Psychological Science

2015 – Present  
2016 – Present

## RELEVANT SKILLS

---

### Experimental Psychology

- Paradigm design (event-related, blocked, resting-state)
- Paradigm implementation (PsychToolbox, E-Prime)
- Crowdsourcing (Mechanical Turk, Qualtrics)

### Neuroimaging

- fMRI, EEG, and MEG data collection
- fMRI, EEG, and tractographic preprocessing and analysis
- M/EEG source localization (DIPFIT, MNE)
- Software Packages: SPM, EEGLAB, AFNI, BrainVoyager, FreeSurfer, DSI Studio, MNE, pyMVPA

### Statistics and Data Analysis

- Regression analyses (fixed effects models, mixed models)
- Machine learning (support vector classification, representational similarity analysis)
- Data decomposition (independent components analysis)
- Data clustering (PCA, t-SNE, k-means, affinity propagation)
- Parallel Distributed Processing
- Software Packages: MATLAB, R, SPSS, LENS, scikit-learn

### Computing

- Languages: MATLAB, Python, Java, HTML/CSS, Alice
- Shell scripting: Bourne, BASH, GNU Parallel
- Software management: Git, JIRA, Eclipse
- Operating environments: Linux, Windows, OS X

## PROFESSIONAL EXPERIENCE

---

**Alice • Carnegie Mellon University**  
*Software Development Intern*  
Bug-finding and debugging for the Alice 3 programming language

May 2012 –  
August 2012

**National Weather Service • Chanhassen, MN**  
*Forecasting Intern*  
Tracking and forecasting Minneapolis-area winter storms through dynamical forecast models and ground, air, satellite, and radar observations

October 2005 –  
April 2006

## REFERENCES

---

**Matthew D. Lieberman, Ph.D.**  
*Professor*  
Department of Psychology  
Department of Psychiatry  
Department of Biobehavioral Sciences  
University of California, Los Angeles  
[mdlieber99@gmail.com](mailto:mdlieber99@gmail.com)

**Michael J. Tarr, Ph.D.**  
*Department Head and Professor*  
Department of Psychology  
Center for the Neural Basis of Cognition  
Carnegie Mellon University  
[michaeltarr@cmu.edu](mailto:michaeltarr@cmu.edu)

**Mina Cikara, Ph.D.**  
*Assistant Professor*  
Department of Psychology  
Harvard University  
[mcikara@fas.harvard.edu](mailto:mcikara@fas.harvard.edu)

**Naomi I. Eisenberger, Ph.D.**  
*Professor*  
Department of Psychology  
University of California, Los Angeles  
[neisenbe99@gmail.com](mailto:neisenbe99@gmail.com)

**Greg J. Siegle, Ph.D.**  
*Associate Professor*  
Department of Psychiatry  
Department of Psychology  
Center for the Neural Basis of Cognition  
University of Pittsburgh  
[gsiegle@pitt.edu](mailto:gsiegle@pitt.edu)