

## JIN HYUN CHEONG

Psychological and Brain Sciences  
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### *Education*

<b>Dartmouth College</b> , Hanover, NH	2015 - <i>present</i>
PhD candidate in Psychological and Brain Sciences	
Advisor: Luke Chang	

<b>Princeton University</b> , Princeton, NJ	2007 - 2013
A.B. with Honors in Psychology	
Certificate in Neuroscience with Honors	
Certificate in Finance	
Advisors: Matthew Botvinick, Daniel Osherson	

### *Research Experience*

<b>Princeton Neuroscience Institute</b> , Princeton, NJ	2013 - 2015
Lab Manager at Botvinick Lab	
Advisor: Matthew Botvinick	

### *Awards, Funding, & Membership*

<b>Methods in Neuroscience at Dartmouth Computational Summer School</b> , Dartmouth College	2017
<b>Building Bridges Travel Award for 2017 APS Annual Convention</b> , NIDCR / NIH	2017
<b>NIH Multimodal Neuroimaging Training Program Travel Award</b> , University of Pittsburgh	2017
<b>Second Best Hack &amp; DEN Business and Innovation Prize</b> , Hackathon, Dartmouth College	2016
<b>Presidential Fellow Award</b> , Dartmouth College	2015
<b>Sigma Xi Scientific Research Society</b> , Princeton University	2013
<b>Horton Elmer Fund</b> , Senior Thesis Research Grant Funding, Princeton University	2013
<b>Samsung Scholarship</b> , Full-tuition Scholarship	2007

### *Publications*

**Cheong, J.H.**, Brooks, S., and Chang, L.J. (Under Review). FaceSync: Open source framework for recording facial expressions with head-mounted cameras. [[Preprint](#)]

Momennejad, I., Russek, E.M., **Cheong, J.H.**, Botvinick, M.M., Daw, N. and Gershman, S.J. (2017). The successor representation in human reinforcement learning: evidence from retrospective revaluation. *Nature Human Behaviour*, 1. [[Link](#)] [[Preprint](#)]

**Cheong, J.H.**, Jolly, E., Sul, S., & Chang, L.J. (2017). Computational models in social neuroscience. In *Computational Models of Brain and Behavior*, Moustafa, A (Ed), Wiley-Blackwell. [[Link](#)]

Oud, B., Krajcich, I., Miller, K., **Cheong, J. H.**, Botvinick, M., & Fehr, E. (2016). Irrational time allocation in decision-making. In *Proc. R. Soc. B* (Vol. 283, No. 1822, p. 20151439). The Royal Society. [[Link](#)]

## ***Working Papers***

**Cheong, J.H.**, Losin, E.R., Wager, T.D., and Chang, L.J. (in prep). Temporal dynamics in biomarkers of doctor empathy modulates patient pain responses in simulated clinical interactions.

**Cheong, J.H.**, Jolly, E., and Chang, L.J. (in prep). A window into the mind: A computational approach to measuring emotions in response to naturalistic stimuli.

Diuk, C. \*, Yee, D. \*, **Cheong, J.H.** \*, Weinstein, A., Stachenfeld, K., Schapiro, A., Barto, A., Niv, Y., and Botvinick, M.M. (in prep). A warped map of problem space in human hippocampus. \* denotes equal contributions.

## ***Posters & Presentations***

**Cheong, J.H.**, Sadhukha, S., Molani, Z., and Chang, L.J. (May, 2018). Convergence of opinions and emotions in shared experiences. Poster to be presented at the *2018 Annual Meeting of the Social and Affective Neuroscience Society*, Brooklyn, NY.

**Cheong, J.H.**, Sadhukha, S., Molani, Z., and Chang, L.J. (April, 2018). Convergence of opinions and emotions in shared experiences. Flash-Talk to be presented at the *2018 Society for Affective Science Annual Conference*, Los Angeles, CA.

**Cheong, J.H.**, Losin, E., Wager, T., and Chang, L.J. (May, 2017). Temporal Dynamics in Biomarkers of Doctor Empathy Modulates Patient Pain Responses in Simulated Clinical Interactions\*. Poster presented at the *2017 29<sup>th</sup> Association for Psychological Science Annual Convention*, Boston, MA. \**NIDCR/NIH Building Bridges Travel Award*

**Cheong, J.H.**, Jolly, E., and Chang, L.J. (April, 2017). Inferring social impressions from facial expressions\*. Poster presented at the *2017 Dartmouth Graduate Poster Session*, Hanover, NH. \**Best Poster Award*

**Cheong, J.H.**, Jolly, E., and Chang, L.J. (March, 2017). A window into the mind: A computational approach to measuring emotions in response to naturalistic stimuli\*. Poster presented at the *2017 Social and Affective Neuroscience Society*, Los Angeles, CA. \**SANS Best Poster Award*

Jolly, E., **Cheong, J.H.** & Chang, L.J. (March, 2017). Spontaneous impression-formation about parasocial relationships. Presentation at the *Annual Meeting of the Social and Affective Neuroscience Society*, Los Angeles, CA.

Brooks, H., **Cheong, J.H.**, Cohen, J.D., and Chang, L.J. (November, 2016). Using patterns of functional brain

connectivity to classify autism spectrum disorder. Poster presented at the *2016 Annual Biomedical Research Conference for Minority Students*, Tampa, FL.

**Cheong, J.H.**, Jolly, E., and Chang, L.J. (June, 2016). Psychophysiological intersubject synchrony to naturalistic stimuli. Poster presented at the *2016 Samsung Scholarship Academic Camp*, Muju, Korea.

Momennejad, I., **Cheong, J.H.**, Botvinick, M.M., and Gershman, S.J. (June, 2015). The successor representation in human reinforcement learning: evidence from retrospective revaluation. Poster presented at the *2<sup>nd</sup> Multidisciplinary Conference on Reinforcement Learning and Decision Making*, Edmonton, Canada.

Botvinick, M.M., Diuk, C., Yee, D., **Cheong, J.H.**, Weinstein, A., Schapiro, A., Niv Y., and Barto, A. (Nov, 2014). A hierarchical representation of problem space in human hippocampus. Poster presented at the *44<sup>th</sup> Annual Society for Neuroscience Meeting*, Washington, DC.

Oud, B., Krajchich, I., Miller, K., **Cheong, J.H.**, Botvinick, M.M., and Fehr, E. (June, 2014). Irrational Time Allocation in Decision Making. Poster presented at *2014 Samsung Scholarship Academic Camp*, Yosemite, CA.

**Cheong, J.H.** (June, 2014). Importance of Self-control and Ways to Enhance It. Talk at *Samsung Scholarship Academic Camp*, Yosemite, CA.

**Cheong, J.H.** and Osherson, D. (June, 2013). Effects of Involvement and Timing on Illusion of Control's Mediation of Loss Aversion. Poster presented at *2013 Samsung Scholarship Academic Camp*, Muju, Korea.

**Cheong, J.H.** (June, 2013). Psychology of Face Perception. Talk at *2013 Samsung Scholarship Academic Camp*, Muju, Korea.

## ***Technical Experience***

Advanced Statistics Workshop: Dartmouth Summer Seminar for Composition Research, Summer 2017  
Teaching Assistant: PSYC063 Experimental Study of Social Behavior, Luke Chang, PhD, Winter 2017  
Teaching Assistant: PSYC063 Experimental Study of Social Behavior, Luke Chang, PhD, Spring 2016

## ***Technical Skills & Languages***

Software: MATLAB, R, Python, SPM, FSL, Microsoft Excel, PowerPoint, Word  
Certification for fMRI scanners (Dartmouth College, Princeton University)  
Language: Korean (NS), English (Fluent), Chinese (Intermediate)