

JIN HYUN CHEONG

Psychological and Brain Sciences
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Education

Dartmouth College, Hanover, NH
PhD candidate in Psychological and Brain Sciences
Advisor: Luke Chang

2015 - *present*

Princeton University, Princeton, NJ
A.B. with Honors in Psychology
Certificate in Neuroscience with Honors
Certificate in Finance
Advisors: Matthew Botvinick, Daniel Osherson

2007 - 2013

Research Experience

Princeton Neuroscience Institute, Princeton, NJ
Lab Manager at Botvinick Lab
Advisor: Matthew Botvinick

2013 - 2015

Awards, Funding, & Membership

Methods in Neuroscience at Dartmouth Computational Summer School , Dartmouth College	2017
Building Bridges Travel Award for 2017 APS Annual Convention , NIDCR / NIH	2017
NIH Multimodal Neuroimaging Training Program Travel Award , University of Pittsburgh	2017
Second Best Hack & DEN Business and Innovation Prize , Hackathon, Dartmouth College	2016
Presidential Fellow Award , Dartmouth College	2015
Sigma Xi Scientific Research Society , Princeton University	2013
Horton Elmer Fund , Senior Thesis Research Grant Funding, Princeton University	2013
Samsung Scholarship , 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., 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 29th 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 2nd *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 44th *Annual Society for Neuroscience Meeting*, Washington, DC.

Oud, B., Krajbich, 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)