

JIN HYUN CHEONG

Psychological and Brain Sciences
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Dartmouth College
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Education

Dartmouth College, Hanover, NH 2015 - *present*
Graduate student in Psychological and Brain Sciences
Advisor: Luke Chang

Princeton University, 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

Princeton Neuroscience Institute, Princeton, NJ 2013 - 2015
Lab Manager at Botvinick Lab
Advisor: Matthew Botvinick

Awards, Funding, & Membership

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., Jolly, E., Sul, S., & Chang, L.J. (In Press). Computational models in social neuroscience. In Computational Models of Brain and Behavior, Moustafa, A (Ed), Wiley-Blackwell.

Oud, B., Krajbich, 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., Brooks, S., and Chang, L.J. (in prep). FaceSync: Automated video synchronization for analysis of facial expressions.

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.

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

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., 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

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

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)