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JIN HYUN CHEONG

Psychological and Brain Sciences
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Education

Dartmouth College, Hanover, NH — 2015 - *present*
PhD candidate 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

Best Dartmouth Community Hack, Hackathon, Dartmouth College — 2018

NEUKOM Institute Travel Grant for Computational Research, Dartmouth College — 2018

Graduate Student Council Student Support Fund, Dartmouth College — 2018

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., 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., 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 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.

Teaching Experience

Teaching Assistant for Social Psychology, Meghan Meyer, PhD, Winter 2018
Teaching Assistant for Principles of Human Brain Mapping with fMRI, Jeremy Huckins, PhD, Fall 2017
Assistant Instructor for Advanced Statistics Workshop at Dartmouth Summer Seminar for Composition Research, Summer 2017
Teaching Assistant for Experimental Study of Social Behavior, Luke Chang, PhD, Winter 2017
Teaching Assistant for 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)