

Yeon Soon Shin

Curriculum Vitae

303 Bettws-y-Coed, Department of Psychology, Bryn Mawr College

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Academic Positions

- 2024-present Bryn Mawr College, Department of Psychology
Affiliated with the Bi-College Neuroscience Program at Bryn Mawr/Haverford
Assistant Professor
- 2022-2024 Princeton University, Department of Psychology
Postdoctoral Research Associate
Advisor: Dr. M.J. Crockett
- 2020-2022 Yale University, Department of Psychology
Postdoctoral Research Associate
Advisor: Dr. M.J. Crockett

Education

- 2020 Princeton University, Princeton Neuroscience Institute
Ph.D. in Neuroscience
Advisors: Drs. Yael Niv and Kenneth A. Norman
Thesis: *The organization of experiences and its effects on episodic memory and decision-making*
- 2013 Yonsei University, Department of Psychology
M.A. in Psychology
Advisor: Dr. Sanghoon Han
Thesis: *The roles of caudate nucleus and DLPFC in social perception of response bias*
- 2011 Yonsei University, Department of Psychology
B.A. in Psychology
Graduated with Highest Honor

Publications

*: equal contribution, #: mentee

Peer-Reviewed Journal Articles

*Mirea, D-. M., ***Shin, Y. S.**, DuBrow, S., & Niv, Y. (2024). The ubiquity of time in latent-cause inference. *Journal of Cognitive Neuroscience*

Crockett, M. J., Kim, J. S., & **Shin, Y. S.** (2024). Intuitive theories and the cultural evolution of morality. *Current Directions in Psychological Science*

- Everett, J. A., Colombatto, C., Awad, E., Boggio, P., Bos, B., Brady, W. J., ..., **Shin, Y. S.**, ..., & Crockett, M. J. (2021). Moral dilemmas and trust in leaders during a global health crisis. *Nature Human Behaviour*, 5(8), 1074-1088.
- Radulescu, A., **Shin, Y. S.**, & Niv, Y. (2021). Human representation learning. *Annual Review of Neuroscience*, 44(1), 253-273.
- Shin, Y. S.**, & Niv, Y. (2021). Biased evaluations emerge from inferring hidden causes, *Nature Human Behaviour*, 1180–1189.
- ***Shin, Y. S.**, *Masís-Obando, R., Keshavarzian, N., #Dáve, R., & Norman, K. A. (2021). Context-dependent memory effects in two immersive virtual reality environments: On Mars and underwater. *Psychonomic Bulletin & Review*, 28, 574-582.
- Shin, Y. S.**, & DuBrow, S. (2021). Structuring memory through inference-based event segmentation. *Topics in Cognitive Science*, 13(1), 106-127.
- Shin, Y. S.**, Kim, H-Y., Min, S., & Han, S. (2017). Estimation of reward probability in the fronto-parietal functional network: an fMRI study. *Science of Emotion & Sensibility*, 20(4), 101-112.
- Shin, N.-Y., **Shin, Y. S.**, Lee, P., Yoon, U., Han, S., Kim D., & Lee, S.-K. (2016). Different functional and microstructural changes depending on duration of mild cognitive impairment in Parkinson disease. *American Journal of Neuroradiology*. 37(5), 897-903.
- Shin, Y. S.**, Kim, H.-Y., & Han, S. (2014). Neural correlates of social perception on response bias, *Brain and Cognition*, 88, 55-65.
- Kim, H.-Y., **Shin, Y. S.**, & Han, S. (2014). The reconstruction of choice value in the brain: a look into the size of consideration sets and their affective consequences, *Journal of Cognitive Neuroscience*, 26(4), 810-824.
- Kim, H.-Y., **Shin, Y. S.**, & Han, S. (2014). Self-concept molds choice experiences among multiple alternatives: an fMRI study, *Korean Journal of the Science of Emotion and Sensibility*, 16(4), 445-456.
- Shin, Y. S.**, & Han, S. (2013). Goal-directed learning and memory, *Korean Journal of the Science of Emotion and Sensibility*, 16(3), 319-332.
- Shin, Y. S.**, Kim, H.-Y., & Han, S. (2013). Imagining negative futures to reduce the delay neutralization of negativity, *Korean Journal of the Science of Emotion and Sensibility*. 16(3), 293-304.
- Kim, H.-Y., **Shin, Y. S.**, & Han, S. (2011). Being another person to be future-minded: common neural substrates of perspective-taking, prospective memory, and intertemporal choice, *Korean Journal of Cognitive & Biological Psychology*, 23(4), 505-531.

Manuscripts in Preparation

Shin, Y. S., Wilkins, L., Siegel, J., Mathys, C., Rutledge, R., Saunders, K., & Crockett, M. J. (in prep). Adaptive social decisions are disrupted in highly antagonistic individuals

Zoh, Y., **Shin, Y. S.**, Carlson, R. W., Chang, S. W. C., & Crockett, M. J. (in prep). Historical principles in distributive decision-making are common, politically variant and malleable

Talks and Presentations

External Colloquia and Invited Talks

Apr 2024	MCP (Mathematical and Computational Psychology)/Cog (Cognitive Psychology) Colloquium, Purdue University <i>A rational analysis of biased social cognition</i>
Mar 2024	Department of Psychology Seminar, Bryn Mawr College <i>A computational analysis of biased social cognition</i>
Jan 2023	Department of Psychology Seminar, University of British Columbia <i>Making sense of the world through structuring experiences</i>
Dec 2021	Department of Psychology Seminar, University of Michigan <i>Constructing mental summaries to guide decisions</i>
Jun 2021	Social Cognitive Development Lab, Yale University <i>The organization of experiences and its effects on episodic memory and decision-making</i>
May 2021	Cognitive Sciences Colloquium, University of California, Irvine <i>The organization of experiences and its effects on episodic memory and decision-making</i>
Sep 2019	Crockett Lab, Yale University <i>What comes to mind: the organization of experiences through inference and its effects on decision-making and episodic memory</i>

Conference Talks

*: equal contribution, #: mentee

- Shin, Y. S.**, Zoh, Y., Kim, J. S., & Crockett, M. J. (June 2024). Epistemic risks of identity-blind causal inference under structural inequality, Symposium given at *the 50th annual meeting of the Society for Philosophy and Psychology (SPP)*, West Lafayette, IN
- #Chawla, M., **Shin, Y. S.**, Fagan, N., Chang, S., & Crockett, M. J. (February 2024) Gender biases in moral judgments are predicted by disparities in surprise following norm violations, Student Award Winner Talk given at *the Gender Preference of the Annual Convention of the Society for Personality and Social Psychology (SPSP)*, San Diego, CA
- Shin, Y. S.**, & Crockett, M. J. (July 2022). Constructing positive illusions in close relationships through latent-cause inference, Flash Talk given at *the 44th Annual Meeting of the Cognitive Science Society*, Toronto, Ontario, Canada
- #Chawla, M., **Shin, Y. S.**, Chang, S., & Crockett, M. J. (July 2022) Gender disparities in blame and praise for moral norm violation and adherence, Talk given at the 3rd joint meeting of *the Society for Philosophy and Psychology (SPP) and European Society for Philosophy and Psychology*, Milan, Italy
- Mirea, D- M., **Shin, Y. S.**, DuBrow, S., & Niv, Y. (July 2022). Individual differences in latent-cause inference map onto transdiagnostic dimensions of mental health, Data Blitz presented at *Computational Psychiatry Course (CPP++)*, New York City, NY
- Shin, Y. S.**, & Niv, Y. (October 2021). Biased evaluations emerge from inferring hidden causes, Symposium given at *the Society for Experimental Social Psychology (SESP)*, Santa Barbara, CA

- Shin, Y. S.**, Niv, Y., & DuBrow, S. (May 2019). A latent-cause inference account of event segmentation under perceptual ambiguity, Talk given at *the Manhattan Area Memory Meeting (MAMM), Princeton, NJ*
- Shin, Y. S.**, Shin, J.H., & Han, S. (January 2013). A Risk-taking behavior in recognition memory judgment of striatal lesion patients, Talk given at *the Annual Conference of the Korean Society for Cognitive Science, Gyeongju, Korea*
- Shin, Y. S.**, Kim, H.-Y., & Han, S. (February 2012). Devil takes the hindmost: an investigation of reducing delay discounting of negativity, Talk given at *the Annual International Conference on Cognitive and Behavioral Psychology, Singapore*
- Kim, H.-Y., **Shin, Y. S.**, & Han, S. (February 2012). Being another person to be future-minded: common neural substrates of perspective-taking, prospective memory, and intertemporal choice, Talk given at *the Annual International Conference on Cognitive and Behavioral Psychology, Singapore*
- Shin, Y. S.**, Kim, H.-Y., & Han, S. (June 2011). A state-space analysis of feedback-based learning for yeasayer and naysayer's response tendency, Talk given at *the Korean Society for Cognitive Science, Seoul, Korea*
- Kim, H.-Y., **Shin, Y. S.**, & Han, S. (June 2011). Neural similarity of perspective-taking and future thinking and its influence of intertemporal choice, Talk given at *the Korean Society for Cognitive Science, Seoul, Korea*

Conference Poster

*: equal contribution, #: mentee

- #Chawla, M., **Shin, Y. S.**, Fagan, N., Chang, S., & Crockett, M. J. (February 2024) Gender biases in moral judgments are predicted by disparities in surprise following norm violations, Poster presented at *the Gender Preconference of the Annual Convention of the Society for Personality and Social Psychology (SPSP), San Diego, CA*
- #graduate student mentee awarded first place in the SPSP gender preconference student awards*
- #Wilkins, L., **Shin, Y. S.**, Siegel, J., Mathys, C., Rutledge, R., Saunders, K., & Crockett, M. J. (May 2023). Optimistic social beliefs and attachment security buffer the link between childhood trauma and psychopathy, Poster presented at *2023 Association for Psychological Science (APS) Annual Convention, Washington, DC*
- Shin, Y. S.**, Wilkins, L., Siegel, J., Mathys, C., Rutledge, R., Saunders, K., & Crockett, M. J. (April 2023). Strong pessimistic priors in highly antagonistic individuals disrupts adaptive social learning, Poster presented at *the 78th Annual Meeting of the Society of Biological Psychiatry (SOBP), San Diego, CA*
- Rapp, A. M., Mirea, D- M., **Shin, Y. S.**, DuBrow, S., Niv, Y., & Simpson, H. B. (July 2022). Individual differences in latent-cause inference are associated with clinical symptoms of obsessive compulsive disorder, Poster presented at *Computational Psychiatry Course (CPC++)*, New York City, NY
- Yusina, Y., Mirea, D- M., **Shin, Y. S.**, DuBrow, S., & Niv, Y. (July 2022). Latent-cause inference: a new way to look at schizotypy, Poster presented at *Computational Psychiatry Course (CPC++)*, New York City, NY
- Mirea, D- M., **Shin, Y. S.**, Yusina, Y., DuBrow, S., & Niv, Y. (June 2022). Quantifying the latent-cause inference and its relationship with psychiatric symptoms, Poster presented at *the multi-disciplinary conference on Reinforcement Learning and Decision Making (RLDM), Providence, RI*

- Mirea, D- M., **Shin, Y. S.**, DuBrow, S., & Niv, Y. (April 2022). Associations between latent-cause inference and transdiagnostic mental health dimensions, Poster presented at *the 77th Annual Meeting of the Society of Biological Psychiatry, New Orleans, LA*
- Shin, Y. S.**, Masís-Obando, R., #Davé R., Keshavarzian, N., & Norman, K.A. (May 2019). Context-dependent memory effects in two immersive virtual reality environments: on Mars and underwater, Poster presented at *the Context and Episodic Memory Symposium (CEMS), Philadelphia, PA*
- Shin, Y. S.**, Niv, Y., & DuBrow, S. (May 2019). A latent-cause inference account of event segmentation under perceptual ambiguity, Poster presented at *the Context and Episodic Memory Symposium (CEMS), Philadelphia, PA*
- Shin, Y. S.**, Niv, Y., & DuBrow, S. (March 2019). A latent-cause inference account of event segmentation under perceptual ambiguity, Poster presented at *the Cognitive Neuroscience Society (CNS) Annual Meeting, San Francisco, CA*
- Shin, Y. S.**, & Niv, Y. (May 2018). Latent-cause inference in social biases, Poster presented at *the Social & Affective Neuroscience Society (SANS) Annual Meeting, Brooklyn, NY*
- Shin, Y. S.**, & Niv, Y. (November 2017). Latent cause inference in social biases, Poster presented at *the Society for Neuroscience (SfN) Annual Meeting, Washington, D.C.*
- Shin, Y. S.**, & Niv, Y. (September 2017). Latent cause inference in social biases, Poster presented at *the Computational Cognitive Neuroscience (CCN) Annual Meeting, New York, NY*
- Shin, Y. S.**, & Niv, Y. (June 2017). Latent cause inference in social biases, Poster presented at *the multi-disciplinary conference on Reinforcement Learning and Decision Making (RLDM), Ann Arbor, MI*
- Shin, Y. S.**, & Niv, Y. (May 2017). Finding it hard to change your mind after one bad experience? You might be too (approximately) Bayesian, Poster presented at *the Context and Episodic Memory Symposium (CEMS), Philadelphia, PA*
- Shin, Y. S.**, & Niv, Y. (August 2016). Finding it hard to change your mind after one bad experience? You might be too Bayesian, Poster presented at *the Society for Neuroeconomics (SNE) Annual Meeting, Berlin, Germany*
- Shin, N-Y., **Shin, Y. S.**, Yi, S., Han, S., & Lee, S.-K. (June 2014). Cognitive impairments and abnormal resting-state functional connectivity in Parkinson's disease, Poster presented at *the Organization for Human Brain Mapping (OHBM) Annual Meeting, Hamburg, Germany*
- Shin, Y. S.**, Yi, S., & Han, S. (April 2013). Theory of memory: neural correlates of successful differentiation of shared versus non-shared memory, Poster presented at *the Cognitive Neuroscience Society (CNS) Annual Meeting, San Francisco, CA*
- Kim, H.-Y., **Shin, Y. S.**, & Han, S. (April 2013). You will like it as much as it hurts: interplay of striatum, dorsal anterior cingulate cortex, and insula, Poster presented at *the Cognitive Neuroscience Society (CNS) Annual Meeting, San Francisco, CA*
- Shin, Y. S.**, Yi, S., & Han, S. (November 2012). Representational similarity of theory of memory in episodic decision, Poster presented at *the Korean Society for Human Brain Mapping Fall Conference, Seoul, Korea*
- Shin, Y. S.**, Kim, H.-Y., & Han, S. (September 2012). Neural substrates of learning about response bias, Poster presented at *the Society for Neuroeconomics (SNE) Annual Meeting, Miami, FL*

Kim, H.-Y., **Shin, Y. S.**, & Han, S. (September 2012). Modulatory effect of consideration set size and contrast on choice satisfaction, Poster presented at *the Society for Neuroeconomics (SNE) Annual Meeting, Miami, FL*

Shin, Y. S., Kim, H., Kim, H.-Y., & Han, S. (April 2012). First impression matters: the influence of initial impression on reversal learning, Poster presented at *the Cognitive Neuroscience Society (CNS) Annual Meeting, Chicago, IL*

Shin, E., **Shin, Y. S.**, Han, S., Schneider, K.A., Saults, J.S., & Sher, K.J. (September, 2011). Suppressive effects of alcohol on fMRI bold response during face attractiveness evaluation, Poster presented at *the Society for Psychophysiological Research Annual Meeting, Boston, MA*

Kim, H.-Y., **Shin, Y. S.**, & Han, S. (May 2011). Fronto-parietal functional connectivity during recognition of gain probability: an fMRI study, Poster presented at *the Korean Society for Cognitive and Biological Psychology, Changwon, Korea*

Teaching and Research Mentoring

Teaching

Lead Instructor, Bryn Mawr College

PSYC B280 Laboratory in Computational Neuroscience (Spring 2025; original course)

PSYC B205 Research Methods and Statistics (Spring 2025)

PSYC B265 Computational Neuroscience (Fall 2024; original course)

Assistant in Instruction, Princeton University

NEU201/PSY258 Fundamentals of Neuroscience (Fall 2015)

Teaching Assistant, Yonsei University

PSY2104 Experimental Methodology of Psychology (Spring 2011, Spring 2012)

Research Mentoring

Fall 2020-Fall 2021	Jenny Cheng, undergraduate thesis student at Yale University Thesis title: <i>Subcomponents of psychopathy on moral impression formation</i>
Fall 2020-Spring 2021	Mira Raju, undergraduate research assistant at Yale University
Spring 2017-Spring 2019	Riya Davé, undergraduate thesis student at Princeton University Thesis title: <i>Context-dependent memory effects in two immersive virtual environments: on Mars and underwater</i>
Summer 2018	Paul Kazelis Jr., undergraduate summer intern at Princeton University via Research Experiences for Undergraduates (REU) program
Fall 2016-Fall 2017	Yotam Sagiv, undergraduate research assistant at Princeton University

Honors and Awards

2017 Trainee Professional Development Award (TPDA), Society for Neuroscience (SfN)

2015	Student Travel Fellowship, The multi-disciplinary conference on Reinforcement Learning and Decision-making (RLDM)
2013-2019	Doctoral Study Abroad Fellowship, Korea Foundation for Advanced Studies (KFAS)
2012-2013	National Research Scholarship, Korea Student Aid Foundation
2012	Best Student Paper Award, Annual International Conference on Cognitive and Behavioral Psychology

Professional Service and Activities

Service

2023	Application Statement Feedback Program (ASFP; asfp.io) editor
2017-2018	Co-organizer, Neuroscience and Social Decision-Making (NSDM) talk series, Princeton Neuroscience Institute, Princeton University

Ad-hoc Journal Reviewer

Nature Communications, Cognition, Journal of Experimental Psychology: Learning, Memory, and Cognition, Psychonomic Bulletin & Review, PLOS computational biology, Social Cognitive and Affective Neuroscience, Royal Society Open Science, Scientific Reports, Neuron, Memory and Cognition, Open Mind, Computational Brain & Behavior, Musicae Scientiae

Ad-hoc Grant Reviewer

National Science Foundation (NSF)

Ad-hoc Conference Reviewer

Cognitive Science Society (CogSci)