

Isu Cho, Ph.D.

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EDUCATION

- | | |
|------|----------------------------------------------------------------------------------------------------|
| 2020 | Ph.D. in Psychology
Department of Psychology, University of Western Ontario, London, ON, Canada |
| 2014 | M.A. in Psychology
Department of Psychology, Yonsei University, Seoul, Republic of Korea |
| 2012 | B.A. in Psychology
Department of Psychology, Yonsei University, Seoul, Republic of Korea |

RESEARCH EXPERIENCE

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| 2020 – present | Postdoctoral Associate
Department of Psychology, Brandeis University, Waltham, MA, the United States
<i>Advisor:</i> Dr. Angela Gutchess

- Conducted multiple research projects including (a) a cross-cultural study investigating the effects of age and culture on memory and decision-making with both behavioral and fMRI methods and (b) age-related differences in social decision-making and behaviors
- Trained to independently operate MRI scanner and possesses working knowledge of MRI safety and quality protocols (certified “green badge” operator at Center for Brain Science Neuroimaging at Harvard University)
- fMRI data management (e.g., BIDS) and analysis (e.g., resting-state functional connectivity, task-based fMRI) |
| 2015 – 2020 | Doctoral Student
Department of Psychology, University of Western Ontario, London, ON, Canada
<i>Advisor:</i> Dr. J. Bruce Morton
<i>Committee:</i> Drs. Daniel Ansari, Paul Minda, Mark Cleveland, and Mark Sabbagh
<i>Dissertation title:</i> The Relationship between Theory of Mind and Executive Function: Are They Two Facets of the Same Process or Two Distinct Processes?

- Conducted multiple research projects on (a) age-related differences in social cognition and cognitive control between young and older adults, (b) the bilingual advantage in social cognition and cognitive control in young children, and (c) individual differences in social decision-making in adults with both behavioral and Transcranial Magnetic Stimulation (TMS: Supervised by Dr. Cassandra J. Lowe) |
| 2012 – 2014 | Master’s Student
Department of Psychology, Yonsei University, Seoul, Republic of Korea
<i>Advisor:</i> Dr. Hyun-joo Song
<i>Dissertation title:</i> 분배 공정성 판단 시, 청년과 노인의 타인의 의도 고려 능력 |

(Young and Old Adults' Understanding of Others' Intentionality in
Fairness Consideration)

- Conducted multiple research projects on (a) age-related differences in social cognition between young and older adults and (b) the development of language and social cognition in infants and young children
- Trained in infant and children data collection methods: preferential looking time paradigm, habituation or violation of expectation paradigm

2010, 2011

Research Assistant

Department of Psychology, Yonsei University, Seoul, Republic of Korea.

PUBLICATIONS

Book Chapters

Sul, S. & **Cho, I.** (in press) Social Brain and How It Links Social Intelligence and Well-Being. In J. Chey (Ed.). *Society within the Brain: How Social Networks Interact with Our Brain, Behavior, and Health as We Age*. Cambridge, United Kingdom: Cambridge University Press.

Cho, I. & Sul, S (in press) Origins of Individual Differences in Social Behavior and the Social Brain. In J. Chey (Ed.). *Society within the Brain: How Social Networks Interact with Our Brain, Behavior, and Health as We Age*. Cambridge, United Kingdom: Cambridge University Press.

Chey, J., **Cho, I.**, Kim, H., Kim, H., Kwak, S., Sul, S., Lee, S., & Youm, Y. (in press) Preventing Dementia with Social Connection. In J. Chey (Ed.). *Society within the Brain: How Social Networks Interact with Our Brain, Behavior, and Health as We Age*. Cambridge, United Kingdom: Cambridge University Press.

Peer-Reviewed Journal Articles

In Press/Accepted

Cho, I., Cunningham, T. J., Daley, R. T., Kensinger, E. A., & Gutchess, A. (in press). Empathy, memory, and aging during the COVID-19 pandemic. *Current Research in Ecological and Social Psychology*.

Cho, I.*, Hosseini-Kamkar, N.*, Song, H., & Morton, J. B. (accepted). Culture, executive functions, and academic achievement. *Frontiers in Psychology*.

*Co-first authorship

Published

Cho, I.*, Kamkar, N.*, & Hosseini-Kamkar, N. (2022). Reasoning about mental states under uncertainty. *PloS ONE*, 17(11), e0277356. <https://doi.org/10.1371/journal.pone.0277356>

*Co-first authorship

Margoni, F.*, **Cho, I.***, & Gutchess, A. (2022). Intent-based moral judgment in old age. *The Journals of Gerontology: Series B*, gbac114. <https://doi.org/10.1093/geronb/gbac114>

*Co-first authorship

Cho, I., Daley, R. T., Cunningham, T. J., Kensinger, E. A., & Gutchess, A. (2022). Aging, empathy, and prosocial behaviors during the COVID-19 pandemic. *The Journals of Gerontology: Series B*, 77(4), e57–e63. <https://doi.org/10.1093/geronb/gbab140>

Cho, I., Lee, Y., & Song, H. (2021). Six-month-olds' ability to use linguistic cues when interpreting others' pointing actions. *Infant Behavior and Development*, 64, 101621. <https://doi.org/10.1016/j.infbeh.2021.101621>

Cho, I., Park, J., Song, H., & Morton, J. B. (2021). Disentangling language status and country-of-origin explanations of the bilingual advantage in preschoolers. *Journal of Experimental Child Psychology*, 212, 105235. <https://doi.org/10.1016/j.jecp.2021.105235>

Lowe, C. J., **Cho, I.**, Goldsmith, S. F., & Morton, J. B. (2021). The bilingual advantage in children's executive functioning is not related to language status: A meta-analytic review. *Psychological Science*, 32 (7), 1115-1146. <https://doi.org/10.1177/0956797621993108>

: This paper was selected as one of the most impactful articles in 2021.

<https://www.psychologicalscience.org/publications/observer/obsonline/top-10-2021.html>

Cho, I., Song, H., Kim, H., & Sul, S. (2020). Older adults consider others' intentions less but allocentric outcomes more than young adults during an ultimatum game. *Psychology and Aging*, 35(7), 974-980. <https://doi.org/10.1037/pag0000577>

Cho, I. & Cohen, A. S. (2019). Explaining age-related decline in theory of mind: Evidence for intact competence but compromised executive function. *PloS ONE*, 14(9), e0222890. <https://doi.org/10.1371/journal.pone.0222890>

Cho, I., & Song, H. (2013). Korean children's comprehension of two postpositional particles - 'do' and 'man' (5-6세 한국 아동의 보조사 '도'와 '만'의 이해 능력). *Korean Journal of Language Sciences*, 20(1), 185-203.

In preparation

Cho, I., Morton, J. B., Sul, S. (in prep). The role of intention-based fairness considerations in social decision-making.

Cho, I., Park, J., Song, H., Lowe, C., J., & Morton, J. B. (in prep). The effects of language status and country-of-origin underlying the bilingual advantage in theory of mind in preschoolers.

Cho, I., Khosravi, M., Lowe, C., J., & Morton, J. B. (in prep). The role of dorsolateral prefrontal cortex and right temporo-parietal junction in intention-based fairness consideration using repetitive transcranial magnetic stimulation (rTMS).

Zhang, W.*, **Cho, I.***, Andrews-Hanna, J., & Gutchess, A. (in prep). Functional connectivity within self-referential network predicts self-referential benefits in older adults.

*Co-first authorship

Leger, K. R., **Cho, I.**, Valoumas, I., Schwartz, D.B., Mair, R. W., Goh, J.O.S., & Gutchess, A. (in prep). Cross-cultural Comparison of the Neural Correlates of Memory Retrieval.

CONFERENCE PRESENTATIONS

Oral presentation

Cho, I., Daley, R.T., Cunningham, T. J., Kensinger, E. A., & Gutchess, A. (2022, November 17-20). Empathy and memory during the COVID-19 pandemic and effects of aging. Symposium at the Psychonomic Society, Boston, Massachusetts, the United States.

Cho, I., Margoni, F., & Gutchess, A. (2022, August 4-6). An intent-to-outcome shift in moral judgment in old age. Data-Blitz with Early Career Cognitive Psychologists at the American Psychological Association, Minneapolis, Minnesota, the United States.

Cho, I., Daley, R.T., Cunningham, T. J., Kensinger, E. A., & Gutchess, A. (2022, April 7-10). The relationship between aging and prosociality during the COVID-19 pandemic and the role of empathy. Symposium at the Cognitive Aging Conference, Atlanta, Georgia, the United States.

Cho, I., & Song, H. (2014, August 28-30). Young and older adults' understanding of others' intentionality in fairness consideration (분배 공정성 판단 시, 타인의 의도 고려: 청년과 노인을 중심으로). Oral presentation at the annual convention of Korean Psychological Association, Seoul, Republic of Korea.

Poster presentation

Huang, L., **Cho, I.**, Gutchess, A., & Goh, J.O.S. (2023, March 25-28). Cultural differences in resting-state functional connectivity of East Asian and Western brains. Poster presentation at the Cognitive Neuroscience Society, San Francisco, California, the United States.

Cho, I., Leger, K., Valoumas, I., Goh, J.O.S., & Gutchess, A. (2023, February 25-27). Neural correlates underlying cultural differences in memory specificity in older adults. Poster presentation at the Dallas Aging and Cognition Conference, Dallas, Texas, the United States.

Leger, K., Ciampa, C., **Cho, I.**, Schwartz, D.B., Goh, J.O.S., & Gutchess, A. (2022, April 23-26). Neural correlates of cross-cultural differences in memory specificity. Poster presentation at the Cognitive Neuroscience Society, San Francisco, California, the United States.

Cho, I., Daley, R.T, Cunningham, T.J., Kensinger, E.A., & Gutchess, A (2022, January 29-31; accepted). Empathy and memory during the COVID-19 pandemic and effects of aging. Poster presentation was scheduled at the Dallas Aging and Cognition Conference (*but cancelled due to the pandemic*).

Cho, I., Daley, R.T, Cunningham, T.J., Kensinger, E.A., & Gutchess, A (2021, November 10-13). Aging, empathy, and prosocial behaviors during the COVID-19 pandemic. Poster presentation at the Gerontological Society of America (virtual meeting).

Zhang, W., **Cho, I.**, Andrews-Hanna, J., & Gutchess, A (2021, March 13-16). Functional connectivity within self-referential network predicts self-referential Benefits. Poster presentation at the Cognitive Neuroscience Society (virtual meeting).

Cho, I., Song, H., Park, J., & Morton, J.B. (2020, November 19-22). The bilingual advantage in children's inhibitory control: Is it really about language status? Poster presentation at the Psychonomic Society (virtual meeting).

Lee, Y., **Cho, I.** & Song, H. (2018, June 30 – July 3). Six-month-olds' ability to use cues selectively to recognize actions as goal-directed. Poster presentation at the International Conference on Infant Studies, Philadelphia, the United States.

Cho, I. & Cohen, A. (2017, October 12 – 14). Implicit theory of mind in older adults: Are there two systems for mindreading? Poster presentation at the Cognitive Development Society, Portland, Oregon, the United States.

Cho, I., Lee, Y., & Song, H. (2016, May 26 – 28). The development of infants' ability to use linguistic and gazing cues when understanding others' pointing actions as goal-directed. Poster presentation at the International Conference on Infant Studies, New Orleans, Louisiana, the United States.

Cho, I., & Song, H. (2014, July 3 – 5). The development of infants' ability to use linguistic information when understanding the goal of others' pointing actions. Poster presentation at the International Conference on Infant Studies, Berlin, Germany.

Cho, I., & Song, H. (2013, November). Theory of mind in young adults and old adults: The role of cognitive ability and social experience (청년기와 노년기의 마음이론 능력: 인지 능력과 사회적 경험의 역할). Poster presentation at the Symposium of The Korean Society for Developmental Psychology, Seoul/Chungcheongnam-do, Republic of Korea.

Cho, I., & Song, H. (2012, November). Korean children's comprehension of postpositional particles: 'Man' and 'Do' (한국 아동들의 조사 이해 (~만, ~도를 중심으로)). Poster presentation at the Symposium of The Korean Society for Developmental Psychology, Seoul, Republic of Korea.

Kim, S., Kim, J., **Cho, I.**, & Han, S. (2010, August). The influence of discourse structure on the comprehension of sentences with omitted arguments (생략된 문장 성분이 포함된 문장 이해에 있어 담화 구조의 영향). Poster presentation at the annual convention of Korean Psychological Association, Seoul, Republic of Korea.

INVITED TALKS

Cho, I. (2022, December). The effects of culture and aging on cognitive and neurological processing. Invited presenter at the Department of Psychology, Yonsei University, Seoul, Republic of Korea.

Cho, I. (2022, December). Do older adults really show age-related declines in social cognition and behaviors? Invited presenter at the Department of Psychology, Pusan National University, Busan, Republic

of Korea.

Cho, I. (2022, December). Age-related differences in social cognition and behaviors: Comparing younger and older adults. Invited presenter at the Department of Psychology, Sungshin Women's University, Seoul, Republic of Korea.

Cho, I. (2022, February). Age-related differences in social cognition and behaviors. Invited presenter at (Virtual) BK21 FOUR Talk, Chungbuk National University, Cheongju, Republic of Korea.

Cho, I. (2021, December). The relationship between theory of mind and executive function: From developmental perspectives. Invited presenter at (Virtual) Webinar on Psychological Science in the Global World, Yonsei University, Seoul, Republic of Korea.

Cho, I. (2021, December). Post-docs sharing advice. Invited guest speaker at (Virtual) experimental psychology graduate student professional development monthly workshop, Saint Louis University, St. Louis, Missouri, the United States.

Cho, I. (2019, July). The bilingual advantage in children's inhibitory control: Is it really about language status? Invited presenter at Human Development Laboratory seminar, Yonsei University, Seoul, Republic of Korea.

HONORS AND AWARDS

2023	Sallie P. Asche Travel Award Fund 2023 Dallas Aging & Cognition Conference
2022	Sallie P. Asche Travel Award Fund 2022 Dallas Aging & Cognition Conference (cancelled due to the pandemic)
2021	Student Registration Award Gerontological Society of America (GSA) Behavioral and Social Sciences Section (virtual)
2015 – 2019	Western Graduate Research Scholarship Graduate program in Psychology, University of Western Ontario, London, ON, Canada
2013	National Scholarship for the Humanities and Social Science Research Korean Students Aid Foundation
2012	Graduate Teaching Assistantship Graduate Program in Psychology, Yonsei University, Seoul, Republic of Korea
2012	Brain Korea (BK) 21 Participation Scholarship The Korean Ministry of Education, Science, and Technology
2009, 2010, 2011	Merit-based Scholarship Yonsei University, Seoul, Republic of Korea
2009, 2010	Academic Highest Honors Yonsei University, Seoul, Republic of Korea

2007 Academic Honors
 Yonsei University, Seoul, Republic of Korea

TEACHING AND MENTORING EXPERIENCE

2020 – present Research Supervisor (Brandeis University)

- Took on lab leadership duties while the PI (Dr. Angela Gutchess) has been on sabbatical (e.g., running lab meetings, working closely with lab manager to coordinate RA needs and scheduling, delegating administrative tasks to graduate students and lab manager, coordinating lab socials).
- Trained research assistants for research studies using behavioral and fMRI methods
- Mentored an undergraduate honors thesis student as a second advisor

2019 Instructor (University of Western Ontario)

 PSYCH 3440F Developmental Cognitive Neuroscience

2015 – 2019 Teaching Assistant in undergraduate courses (University of Western Ontario)

 PSYCH 2410B Introduction to Developmental Psychology

 PSYCH 3485F Research in Developmental Cognitive Neuroscience

 PSYCH 3444G Development of the Social Brain

 PSYCH 3441F Frontal Cortex and the Development of Cognitive Control

 PSYCH 1000 Introduction to Psychology

 Awarded “Best TA of 2018” (University of Western Ontario)

 Research Supervisor (University of Western Ontario)

- Trained undergraduate research assistants for research studies using an eye tracker/Transcranial Magnetic Stimulation (TMS)

2013 – 2014 Research Supervisor (Yonsei University)

- Trained undergraduate research assistants for research studies using diverse infants study methods (i.e., the violation-of-expectation, preferential looking paradigm)

2012 Teaching Assistant in graduate course (Yonsei University)

 PSYCH 6100 Advanced Psychological Statistics

2012 Teaching Assistant in undergraduate courses (Yonsei University)

 Modern Society and Psychology, Modern Society and Mental Health

SKILLS

Data analysis: SPSS, R

Programming languages: MATLAB, R, Python, Bash (Linux command line)

Experiment creation software: PsychToolbox, PsychoPy

Neuroimaging analysis and processing: Statistical Parametric Mapping (SPM), CONN, fMRIPrep

PROFESSIONAL SERVICE

Peer reviewer for journals

Psychological Science, Journal of Gerontology: Psychological Science, Journal of Behavioral Decision Making, Frontiers in Psychology, Aging and Mental Health, Educational Gerontology, International Social Science Journal

Peer reviewer for conferences

The Gerontological Society of America