Kyoungeun Lee, M.S.

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EDUCATION

08/2021 - Current	**The University of Texas at Austin** Ph.D. Candidate, Psychology (Cognition, Behavioral and Brain) Supervisor: Dr. Audrey Duarte
08/2018 - 08/2021	**Georgia Institute of Technology** Ph.D. student, Psychology (Cognitive Aging) Supervisor: Dr. Audrey Duarte
09/2015 – 03/2018	**Korea University** (Seoul, Republic of Korea) Master of Science in Biopsychology ◆ Thesis: Age-based stereotype threats can impair the performance of older adults for emotion recognition.
03/2011 – 02/2015	Bachelor of Arts in Psychology

RESEARCH POSITIONS

08/2021 – Current	**Memory and Aging Laboratory,** *UT Austin* Graduate research assistant
08/2018 – 08/2021	**Memory and Aging Laboratory,** *Georgia Tech* Graduate research assistant
09/2015 – 03/2018	**Behavioral & Cognitive Neuroscience Laboratory,** *Korea University* Graduate research assistant
09/2015 – 03/2017	**Platinum Aging Research Center,** *Korea University* Research assistant
06/2016 – 12/2016	**Supreme Prosecutors' Office Republic of Korea National Digital Forensic Center (NDFC)** *Research Assistant*
10/2013 – 06/2015	**Severe Mental Illness Laboratory (SMILE),** *Korea University* *Undergrad Research Assistant*

RESEARCH EXPERIENCE

09/2021 – current	**Memory and Aging Laboratory,** *UT Austin* Graduate research assistant ◆ Designed and executed an fMRI study to identify the role of interoception on emotional memory across adult lifespan. ◆ Developed novel experimental tasks measuring one's interoceptive awareness. ◆ Collected and analyzed fMRI, psychophysiology and behavioral data from a large lifespan sample.
09/2020 – current	**Memory and Aging Laboratory,** *Georgia Tech* Graduate research assistant ◆ Conducted a large-scale online study to examine the impact of Covid-19 related stress on one's well-being and memory across adult lifespan. ◆ Collected, managed and analyzed variety of self-report and behavioral data from a large online sample.

09/2018 – 05/2021	**Memory and Aging Laboratory,** *Georgia Tech*

Graduate research assistant
- Led an EEG study examined neural reinstatement of overlapping memories in young and older adults.
- Applied representational similarity analysis (RSA) and classification analysis (MVPA) on EEG data to identify the age-related difference in memory reactivation.

09/2015 – 09/2017	**Behavioral & Cognitive Neuroscience Lab,** *Korea University*

Graduated Research assistant
- Conducted research to examine the impact of age-based stereotype threats on emotion recognition, attentional bias and memory in older adults.
- Collected and analyzed eye-tracking & psychophysiological data from older adults during emotion recognition and memory task.

09/2015 – 03/2017	**Ministry of Science and ICT**

Researcher
- Participated in development of K-AQ (Korean-Aging Quotient), a web-based of multifaceted health assessment program for Korean older adults.

09/2015 – 03/2017	**Laboratory of Psychophysiology & Brain Imaging,** *Korea University*

Graduated Research assistant
- Identified implicit brain fingerprinting of crime-related memories using virtual reality.
- Instructed the virtual reality mock crime sessions and collected EEG data.

09/2015 – 03/2017	*Ministry of Science and ICT*

Researcher
- Developed a prototype of AI robot companion, "AOU", for older adults.
- Conducted observational study and in-depth interviews to evaluate the quality of interaction between older adults and AOU.

06/2016 – 12/2016	*Supreme Prosecutors' Office, National Digital Forensic Center (NDFC)*

Research Assistant
- Developed a new Concealed Information Test (CIT) paradigm for informed innocent examinees.
- Collected and analyzed the EEG data with developed CIT paradigm to validate the effectiveness of this novel method.

10/2013 – 06/2015	*Severe Mental Illness Laboratory for Excellent Care*

Undergraduate Research Assistant
- Examined the efficacy of Social Cognitive Skills Training (SCST) for Schizophrenia in Korean community setting.
- Participated in SCST intervention sessions as an assistant therapist and evaluated the effect of SCST.

10/2013 – 06/2015	*Severe Mental Illness Laboratory for Excellent Care*

Undergraduate Research Assistant
- Assisted research to investigate attentional processing of emotional faces in schizophrenia.
- Acquired eye-tracking data during dot-probe task from healthy controls and schizophrenia patients, and assisted neurocognitive assessments.

AWARDS & HONORS

2023 - 2024	***Graduate Continuing Fellowship***
	• *Award presented to outstanding graduate student nominated by department, to support their dissertation project, UT Austin.*
	$50,000.00

2023   ***NISS Dissertation Grant Award***
- *Award presented to graduate student with outstanding dissertation project. Each university can nominate only 2 graduate students, and selected as a final winner, National Institude of Social Sciences*
  $5,000.00

2023   ***The Best Poster Award***
- *Selected as a best poster presenter based on the audience's choice, Psychology Graduate Research Showcase, UT Austin*

2022 - 2023   ***Professional development Award***
- *Award presented to graduate students to support their research presentations, UT Austin, Psychology Department*
  $500.00/ Semester

2021   ***Sallie P. Asche Travel Award***
- *Award presented to selected conference presenter to support their research presentations, Center for Vital Longevity*
  $500.00

2018   ***Psychology Presidential Award***
- *Award presented to outstanding student with academic excellence, Georgia Tech*
  $5000.00

2016   ***Academic Scholarship*** *(Korea University)*

2015   ***Research Assistant Scholarship*** *(Department of Psychology, Korea University)*

LEADERSHIP & OUTREACH ACTIVITIES

01/2023 – Current   ***Mentor, Women in STEM Mentorship Program (MUSE)***
Mentored women in STEM undergraduate student offering guidance and support for their professional development in higher education.

03/2022 – Current   ***Project manager, Diverse Psychology Mentorship Program (DIVE)***
Led an initiative mentoring program aiming to increase the diversity in Psychology. Conceptualize the direction of program, recruit mentors and mentees. Organize lecture series for underrepresented students who are interested in higher education in Psychology.

05/2022 – 08/2022   ***Mentor, Summer Undergraduate Research Experience (SURE)***
Mentored underrepresented students to give them research experience, and help them prepare for a career in higher education.

08/2020 – 08/2020   ***Volunteer, High school Summer Camp***
Demonstrated EEG experiments with high school students who are interested in neuroscience.

03/2014 – 08/2014   ***Volunteer, Dongdaemun- gu Mental Health Center & Down Syndrome Welfare Center***
Worked as a career rehabilitation mentor for a schizoaffective disorder patient and as a teaching assistant at a Saturday Art Class for children with Down syndrome.

SKILLS

- Data acquisition & analysis of EEG, fMRI
- Data acquisition & analysis of Eye-Tracking, Psychophysiology
- Advanced Statistical Analysis
- MATLAB, R, SPSS and Python

TEACHING EXPERIENCE

2nd Semester 2019 – 2nd Semester 2020	***General psychology (Psyc1101), Georgia Tech*** Teaching Assistant, Holding office hours and grading
1st Semester 2018	***General psychology (Psyc1101), Psychology of creativity & art (Psyc2280), Georgia Tech*** Teaching Assistant, Holding office hours and grading
1st Semester 2015	***Teaching Assistant, Learning and Memory (PYSC216), Korea University*** Teaching Assistant, Managing team project, holding office hours and grading

PATENT & PROGRAM LICENSE

10/2017	***EEG analysis method for examining genuineness of the testee's statement*** S.C. Kim, S.H. Lee, S.O. Kim, M.Y. Kim, H.T. Kim, E.H. Chang, I.U. Song, & **K.E. Lee** (2017). Korean Patent No. 10-2017-0088447
01/2017	***Korean Aging Quotient, K-AQ*** H.T. Kim, J.S. Choi, K.H, Choi, J.B. Jeong, W. J. Lee, **K.E. Lee**, & S.M Kim (2017). Korean Program No. C-2017-000051

MEDIA COVERAGE

07/2022	***Cognitive Neuroscience Society*** *"Disentangling Overlapping Memories in Older Adults"*
09/2022	***Austin-American Stateman*** *"University of Texas study provides insight into how aging affects episodic memory"*

SUBMITTED PRESENTATIONS

Kyoungeun Lee, Audrey Duarte (Nov. 2023). Listen to your body: the memory benefit from interoceptive awareness across the adult lifespan. *Poster presentation at Annual Meeting of Psychonomics 2023*

Kyoungeun Lee, Audrey Duarte (Oct. 2023). Listen to your body: the memory benefit from interoceptive awareness across the adult lifespan. *Oral presentation at Dallas & Austin Area Memory meeting (DAAMM) 2023*

Kyoungeun Lee, Audrey Duarte (Mar. 2023). Listen to your body: the memory benefit from interoceptive awareness across the adult lifespan. *Poster presentation at Cognitive Neuroscience Society (CNS) 2023 Annual Meeting.*

Kyoungeun Lee, Audrey Duarte (Feb. 2023). Age-related differences in arousal-enhanced memory effect modulated by emotion regulation. *Poster presentation at Dallas Aging and Cognition Conference (DACC) 2023 Meeting*

Kyoungeun Lee, Taylor James, Audrey Duarte (Apr. 2022). Impact of depressive symptoms and Covid19-related stress on emotional memory across adult lifespan. *Poster presentation at Cognitive Neuroscience Society (CNS) 2022 Annual Meeting.*

Kyoungeun Lee, Audrey Duarte (Apr. 2022). Impact of Covid-19 related stress, age and resilience on sleep quality during Covid-19 pandemic. *Poster presentation at Cognitive Aging Conference (CAC) 2022 Meeting*

Kyoungeun Lee, Audrey Duarte (Jan. 2022). The impact of Covid-19 related stress on emotional experience and memory. *Poster presentation at Dallas Aging and Cognition Conference (DACC) 2022 Virtual Meeting.*

Kyoungeun Lee, Soroush Mirjalili, Audrey Duarte (Sep. 2021). Neural reinstatement of overlapping memories under proactive interference in young and older adults. *Oral presentation at Dallas & Austin Area Memory meeting (DAAMM) 2021 Virtual Meeting.*

Kyoungeun Lee, Soroush Mirjalili, Brittany Corbett, Audrey Duarte (Mar. 2021). Neural reactivation of mnemonic interference during associative memory. *Poster presented at Cognitive Neuroscience Society (CNS) 2021 Virtual Meeting.*

Kyoungeun Lee, Audrey Duarte. (Feb. 2021) Reactivation of old memories during new learning predicts worse memory performance across age. *Poster presented at CRIDC poster competition.*

Kyoungeun Lee, Soroush Mirjalili, Brittany Corbett, Audrey Duarte (May. 2020). Neural reactivation of mnemonic interference during associative memory. *Poster presented at Cognitive Neuroscience Society (CNS) 2020 Virtual Meeting.*

Kyoungeun Lee, Hyun Taek Kim and June-Seek Choi (Jan. 2017). Effect of negative stereotype on spatial working memory and emotion recognition in older adults. *Poster presented at annual meeting of Korean Society for Cognitive and Biological Psychology.*

Kyoungeun Lee et al., (Nov. 2016) Interaction between age-based stereotype threat and self-perception of aging on visuo-spatial working memory and emotion recognition of Korean elderly. *Poster presented at fall conference of Korean Gerontology Society.*

Kyoungeun Lee, Kee Hong Choi, Hyun Taek Kim and June-Seek Choi (Aug. 2016). Self-perception of aging can moderate the effect of age-related threat on social cognition and neurocognitive functions. *Poster presented at the Conference of Platinum Aging Center.*

INVITED PRESENTATIONS

Kyoungeun Lee & Audrey Duarte (Mar. 2022). Link between interoception and emotional memory across adult-lifespan. Guest talk at Developmental Cognitive Neuroscience Lab.

PEER REVIEWED PUBLICATIONS

Lee, K., Sayre, B., James, T. A., & Duarte, A. (2023). Age-related reductions in arousal-enhanced memory are moderated by trait emotion regulation. *Scientific Reports*, *13*(1), 15469.

Lee, K., Sayre, B., Martin, S., James, T. A., & Duarte, A. (2023). Covid-19-stress associated with worse sleep quality, particularly with increasing age. *The Journals of Gerontology: Series B*

Lee, K., Mirjalili, S., Quadri, A., Corbett, B., & Duarte, A. (2022). Neural reinstatement of overlapping memories in young and older Adults*. Journal of Cognitive Neuroscience*, 1-21.

Kim, S. C., Kim, H., **Lee, K**., Song, I., Chang, E. H., Kim, S., & Kim, H. T. (2022). Retroactive memory interference reduces false positive outcomes of informed innocents in the P300-based concealed information test. *International Journal of Psychophysiology,* 173, 9-19

Song, I., Kim, H., **Lee, K**., Chang, E., & Kim, H. T. (2019). Can virtual mock crime replace actual mock crime? An event-related potential study. *Korean Journal of Forensic Psychology, 10*(2), 89-109.

Song, I., Kim, H., **Lee, K**., Chang, E., & Kim, H. T. (2018). The comparison of Bootstrapping analyses in P300-CIT. *Korean Journal of Forensic Psychology, 9*(2), 75-99.

Lee, K et al., (2016). *Effect of stereotype threat on spatial working memory and emotion recognition in Korean elderly. Journal of the Korean Gerontological Society*, 36, 1109-1124