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RESEARCH INTERESTS

- Emotional and Social Decision-Making in Humans
- Social Neuroscience, Neuroeconomics, and Economic Psychology

POSITIONS

- 2016.9 – Professor, Department of Psychology, Korea University, Seoul, Korea
- 2014.9 – Visiting Scholar (Affective Neuroscience and Development Lab, PI: Leah Somerville), Department of Psychology, Harvard University, Cambridge, USA
- 2011.9 – Associate Professor, Department of Psychology, Korea University, Seoul, Korea
- 2007.9 – Assistant Professor, Department of Psychology, Korea University, Seoul, Korea
- 2005.1 – 2007.8 Postdoctoral Scholar, Division of the Humanities and Social Sciences, California Institute of Technology, Pasadena, CA
- 1998.7 – 2000.7 Senior Research Analyst, Massachusetts General Hospital, Charlestown, MA

EDUCATION

- 2000.9 – 2004.12 Ph.D. in Psychology (Biology of Brain and Behavior)
University of Wisconsin, Madison, WI
Thesis title: Human amygdala function in situations of uncertain predictability: functional MRI and computational modeling studies (Advisor: Paul Whalen, Ph.D.).
- 1996.9 – 1998.9 MA in Cognitive and Neural Systems
Boston University, Boston, MA
- 1989.3 – 1995.2 BA in Psychology
Korea University, Seoul, Korea

PUBLICATIONS

Research Papers

(*Representative papers are in blue)

In Press

1. Lee YS, Song HS, **Kim H**, Chae YB. (In Press). Altruistic decisions are influenced by the allocation of monetary incentives in a pain-sharing game. *PLoS One*.
2. Rose et al. (In Press). The Ship of Theseus Puzzle. *Oxford Studies in Experimental Philosophy*.
3. Lee HS, **Kim H**, Ko YG. (In Press). Encoding Differences in Posed Negative Emotional Expressions between Prosocials and Proselfs. *Current Psychology*.
4. Cova F, et al. (In press). De pulchritudine non est disputandum? A cross-cultural investigation of the alleged intersubjective validity of aesthetic judgment. *Mind and Language*.

2018

5. Lee MW, Sul SH, **Kim H**. (2018). Social Observation Increases Deontological Judgments in Moral Dilemmas. *Evolution and Human Behavior*, 39(6), 611-621.
6. Yoon L, Somerville LH, **Kim H**. (2018). Development of MPFC function mediates shifts in self-protective behavior provoked by social feedback. *Nature Communications*, 9, 3086.
7. Jung DH, Sul SH, Lee MW, **Kim H**. (2018). Social Observation Increases Functional Segregation between MPFC Subregions Predicting Prosocial Consumer Decisions. *Scientific Reports*, 8, 3368.
8. Park J, **Kim H**, Sohn JW, Choi JR, Kim SP. (2018). EEG beta oscillations in the temporoparietal area related to the accuracy in estimating others' preference. *Frontiers in Human Neuroscience*, 12, 43.

2017

9. Kim J, **Kim H**, & Kang E. (2017). Impaired feedback processing for symbolic reward in individuals with internet game overuse. *Frontiers in Psychiatry*, 8, 195.
10. Rose et al. (In Press). Nothing at Stake in Knowledge. *Nous*.
11. Rose et al. (2017). Behavioral Circumscription and the Folk Psychology of Belief: A Study in Ethno-Mentalizing. *Thought: A Journal of Philosophy*, 6(3), 193-203.
12. Machery et al. (2017). The Gettier Intuition from South America to Asia. *Journal of Indian Council of Philosophical Research*. 34(3), 517-541.
13. Kim S, Kwon Y, Jung S, Kim M, Cho YS, Kim HT, Nam K, **Kim H**, Choi KH, Choi JS. (2017). Development of the Korean Facial Emotion Stimuli: Korea University Facial Expression Collection - 2nd Edition. *Frontiers in Psychology*, 8, 769.
14. Kim J, **Kim H**, Hee-Youn Cho, HY, Jeong H, & Kang E. (2017). Neuroanatomical Correlates of Personality Traits for Internet Gaming Overuse: a VBM study. *Korean Journal of Psychology: General*, 36(1), 109-135

2016

15. Kim SA, **Kim H**, & Kim SH. (2016). Reappraisal modulates attentional bias to angry faces, *Frontiers in Psychology*.
16. Kameda T, Inukai K, Higuchi S, Ogawa A, **Kim H**, Matsuda T, & Sakagami M. (2016). The maximin rule as a common cognitive anchor in distributive justice and risky decisions: Rawls in our minds. *Proceedings of the National Academy of Science*. 113(42), 11817-11822.

17. Lee CH, Ryu J, Lee SH, **Kim H**, & Lee I. (2016). Functional cross-hemispheric shift between object-place paired associate memory and spatial memory in the human hippocampus. *Hippocampus*.
18. Kim HY, **Kim H**, Han S. (2016). I CAN stand this, but WE CAN'T: discontinuity between choices for self vs. group modulated by group competition during the ultimatum game. *Korean Journal of Cognitive Science*, 27(3), 355-373.

2015

19. Kim SH, Yoon H, **Kim H**, & Hamann S. (2015). Individual differences in sensitivity to reward and punishment and neural activity during reward and avoidance learning. *Social, Cognitive, and Affective Neuroscience*. 10(9), 1219-1227.
20. Sul S, Tobler PN, Grit Hein G, Leiberg S, Jung D, Fehr E, **Kim H**. (2015). Spatial gradient in value representation along the medial prefrontal cortex reflects individual differences in prosociality. *Proceedings of the National Academy of Science*. 112(25), 7851-7856.

2014

21. Lee MW, Sul SH, & **Kim H**. (2014). The impact of moral decision style on impression formation. *Korean Journal of Social and Personality Psychology*. 28(2), 201-223.
22. Kim, EY, Sul, SH, Yoo, H, **Kim, H**, & Song, HJ. (2014). The relationship between mothers' altruism in the reinforcement learning task and their children's empathy. *The Korean Journal of Woman Psychology*, 19(2), 117-136.
23. Sul, SH, Lee, MW, & **Kim H**. (2014). Measuring individual differences in altruism with altruistic learning task. *Korean Journal of Psychology: General*. 33(2), 467-489.
24. Na JY, Kim HK, **Kim H**, Lee Y, & Lee JM. (2014). Suggestions for Future Research in an Era of Creating Shared Value. *Journal of Consumer Studies*, 25(3), 141-162.
25. Han HJ, Lee KH, Kim HT, **Kim H**. (2014). Distinctive Amygdala Subregions involved in Emotion-modulated Stroop Interference. *Social, Cognitive, and Affective Neuroscience*, 9(5), 689-698.

2013

26. Kang P, Lee J, Sul S, **Kim H**. (2013). Dorsomedial prefrontal cortex activity predicts the accuracy in estimating others' preferences. *Frontiers in Human Neuroscience*, 7, 686.
27. Kang P, Lee YS, Choi I, **Kim H**. Neural evidence for individual and cultural modulation of social comparison effect. *Journal of Neuroscience*, 33(41), 16200-16208.
28. Kang OS, Kim SY, Jahng GH, **Kim H**, Kim JW, Chung SY, Kim JW, Park HJ, Lee H, Chae Y. (2013). Neural Substrates of Acupuncture in the Modulation of Cravings for Smoking-related Visual Cues: an fMRI Study *Psychopharmacology*, 228(1), 119-127.
29. Jung DH, Sul SH, **Kim H**. (2013). Dissociable neural processes computing value of choices during risky financial decisions for self versus other. *Frontiers in Neuroscience*, 7, 15.

2012

30. Lee SH, Chang DS, Kang OS, Kim HH, **Kim H**, Lee H, Park HJ, Chae Y. (2012). Do not judge according to appearance: Patients' preference of a doctor's face does not influence their assessment of the patient-doctor relationship *Acupuncture in Medicine*, 30(4), 261-265.
31. Kang OS, Chang DS, Jahng GH, Kim SY, **Kim H**, Kim JW, Chung SY, Yang SI, Park HJ, Lee H, Chae Y. (2012). Individual differences in smoking-related cue reactivity in smokers: An eye-tracking and fMRI study. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, 38(2), 285-293.
32. Chang DS, Kang OS, Kim HH, Kim HS, **Kim H**, Lee HJ, Park HJ, Chae Y. (2012). Pre-existing beliefs and expectations influence judgments of novel health information. *Journal of Health Psychology*, 17(5), 753-763.

33. [Kim H](#), Choi MJ, Jang IJ. (2012). Lateral OFC Activity Predicts Decision Bias due to First Impression during Ultimatum Games. *Journal of Cognitive Neuroscience*, 24(2), 428-439.

2011

34. Lee YS, [Kim H](#). (2011). Social Comparison Influences Risky Financial Decisions. *Korean Journal of Consumer and Advertising Psychology*, 12(3), 477-501.

35. [Kim H](#), Shimojo S, O'Doherty JP. (2011). Overlapping responses for the expectation of juice and money rewards in human ventromedial prefrontal cortex. *Cerebral Cortex*, 21(4), 769-776.

2010

36. Sung YS, Cho KJ, Kim DY, [Kim H](#). (2010). Difference in visual attention during the assessment of facial attractiveness and trustworthiness, *Korean Journal of the Science of Emotion and Sensibility*, 13(3), 533-540.

37. Lee YS, [Kim H](#). (2010). Trustful faces in investment decisions: separate impacts of eyes, nose, and mouth, *Korean Journal of Social and Personality Psychology*, 24(2), 117-131.

38. Lee YS, Jang JS, Jung HJ, [Kim H](#). (2010). The effect of the presentation order of facial trustworthiness and prior repayment ratio of trustees on the investment behaviors during trust games, *Korean Journal of Consumer and Advertising Psychology*, 11(2), 1-24.

39. Kim W, Sung YS, [Kim H](#). (2010). Functionally distinctive neural circuitries involved uniquely in encoding facial attractiveness and facial happiness, *The Korean Journal of Cognitive and Biological Psychology*, 22(1), 109-128.

40. Mattes K, Spezio ML, [Kim H](#), Todorov A, Adolphs R, Alvarez RM. (2010). Predicting Election Outcomes from Positive and Negative Trait Assessments of Candidate Images, *Political Psychology*, 31(1), 41-58.

41. Kim W, Sung YS, [Kim H](#). (2010). The effect of elements of humor formation and repetition on humor response, *Korean Journal of Consumer and Advertising Psychology*, 10(4), 633-662.

2009

42. Chae Y, Lee H, [Kim H](#), Kim CH, Chang DI, Kim KM, Park HJ. (2009). Parsing brain activity associated with acupuncture treatment in Parkinson's diseases. *Movement Disorders*. 24(12), 1794-1802.

43. Sung YS, [Kim H](#), Kim W, Kim BK. (2009). Neural network correlation for the effect of humor sensitivity and repetition, *Korean Journal of Consumer and Advertising Psychology*, 10(2), 275-298.

44. [Kim H](#). (2009). Introduction to Cognitive Neuroscience Research. *Communications of the Korean Institute of Information Scientists and Engineers*, 27(4), 19-24.

2008

45. Chae Y, Lee H, [Kim H](#), Sohn H, Park JH, and Park HJ. (2008). The neural substrates of verum acupuncture compared to non-penetrating placebo needle: An fMRI study. *Neuroscience Letters*. 450, 80-84.

46. Spezio, ML, Rangel, A, Alvarez, RM, O'Doherty, JP, Mattes, K, Todorov, A, [Kim, H](#), and Adolphs, R. (2008). A neural basis for the effect of candidate appearance of election outcomes. *Social, Cognitive, and Affective Neuroscience*, 3(4), 344-352.

47. Sung YS, [Kim H](#), Lee HJ, Park, JS, Kim HJ, Kim BK. (2008). The Psychological Mechanism of Epistemic Curiosity: a comparative study of two curiosity gratification types, *Korean Journal of Consumer and Advertising Psychology*, 9(2), 305-332.

2007

48. [Kim H](#), Adolphs R, O'Doherty JP, and Shimojo S. (2007). Temporal isolation of neural processes underlying face preference decisions. *Proceedings of the National Academy of Science*, 104, 18253-18258.

49. O'Doherty JP, Hampton A, and **Kim H.** (2007). Model-based fMRI and its application to reward-learning and decision making. *Annals of the New York Academy of Sciences*. 1104, 35-53.

2006

50. **Kim H.**, Shimojo S, and O'Doherty JP. (2006). Is avoiding an aversive outcome rewarding? Neural substrates of avoidance learning in the human brain. *PLoS Biology*, 4, e233.

2004

51. Whalen PJ, Kagan J, Cook RG, Davis FC, **Kim H.**, Polis S, McLaren DL, Somerville LH, McLean AA, Maxwell JS, & Johnston T. (2004). Human amygdala responsivity to fearful eye-whites. *Science*, 306, 2061.

52. **Kim H.**, Somerville LH, Johnstone T, Polis S, Alexander AL, Shin LM, & Whalen PJ. (2004). Contextual modulation of amygdala responsivity to surprised faces. *Journal of Cognitive Neuroscience*, 16, 1730-1745.

53. Somerville LH, **Kim H.**, Johnstone T, Alexander AL, and Whalen PJ. (2004). Human amygdala responses during presentation of happy and neutral faces: Correlations with state anxiety. *Biological Psychiatry*, 55, 897-903.

2003

54. **Kim H.**, Somerville LH, Johnstone T, Alexander AL, and Whalen PJ. (2003). Inverse amygdala and medial prefrontal cortex responses to surprised faces. *NeuroReport*. 14, 2317-2322.

55. **Kim H.**, Somerville LH, McLean AA, Johnstone T, Shin LM, and Whalen PJ. (2003). Functional MRI Responses of the Human Dorsal Amygdala/Substantia Inominata Region to Facial Expressions of Emotion. *Annals of the New York Academy of Sciences*. 985, 533-535.

2002

56. Whalen PJ, Shin LM, Somerville LH, McLean AA, **Kim H.** (2002). Functional neuroimaging studies of the amygdala in depression. *Seminars in Clinical Neuropsychiatry*, 7(4): 234-42.

2001

57. Rauch SL, Makris N, Cosgrove GR, **Kim H.**, Cassem EH, Price BH, Baer L, Savage CR, Caviness VS, Jenike MA, and Kennedy DN. (2001). A magnetic resonance imaging study of regional cortical volumes following stereotactic anterior cingulotomy. *CNS Spectrums*, 6(3), 214-222.

2000

58. Rauch SL, **Kim H.**, Makris N, Cosgrove GR, Cassem EH, Savage CR, Price B, Nierenberg A, Shera D, Baer L, Buchbinder B, Caviness VS, Jenike MA, and Kennedy DN (2000). Volumetric Reduction in Caudate Nucleus Following Stereotactic Lesions of Anterior Cingulate Cortex in Humans: A Morphometric Magnetic Resonance Imaging Study. *Journal of Neurosurgery*, 93(6), 1019-1025.

Books

1. H Kim (2017). A Journey into the Secret of Altruist's Brain. galmaenam.

Book Chapters

1. Whalen PJ, Davis FC, Oler JA, **Kim H**, Kim MJ, & Neta M. (In press). Human amygdala responses to facial expressions of emotion. In: Whalen PJ & Phelps EA (Eds.). *The Human Amygdala*. New York: Guilford Press.

PROFESSIONAL ACTIVITIES

- Consultation Board Member for
International Association for Cognitive Science (IACS)
- Associate Editor for
Journal of Neuroscience
- Associate Editor for
Journal of Neuropsychology
- Reviewing Editor for
Frontiers in Psychology
- Ad Hoc Reviewer for
Brain and Cognition
Cortex
Cognition
Cognitive, Affective, and Behavioral Neuroscience
Cognition and Emotion
Developmental Cognitive Neuroscience
European Journal of Neuroscience
Frontiers in Behavioral Neuroscience
Frontiers in Decision Neuroscience
Frontiers in Human Neuroscience
Journal of Cognitive Neuroscience
Journal of Neuroscience
NeuroImage
Neuropsychologia
Neuroscience
PLoS One
Public Opinion Quarterly
Social, Cognitive, and Affective Neuroscience
Social Neuroscience
- Abstract reviewer for 2007 Human Brain Mapping conference

AWARDS & HONORS

- Korea University Seok-Top Research Award (2016)
- Korea University Seok-Top Teaching Award (2012)