Hyunsu Lee.

Curriculum Vitae

Personal

Date of Birth: 16 December 1982 in Busan, Korea

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Education

2001-2007: M.D. from Seoul National University College of Medicine

2007-2013: Ph.D. from Seoul National University College of Medicine

(Thesis: Role of GABA-induced Ca^{2+} signal in axonal outgrowth in hippocampal newborn granule cells)

Occupation

2007.9.-2010.8. : Teaching Assistant at Department of Physiology, Seoul National University School of Medicine

2011.3.-2013.2. : Research Doctor at Seoul National University Hospital

2013.3-2013.7. : Intern at Seoul National University Hospital

2014.3-2015.2.: Teaching Assistant at Department of Anatomy, Keimyung University School of Medicine

2015.3-2016.2.: Research fellow at Department of Anatomy, Keimyung University School of Medicine

2016. 2.-present: Assistant Professor at Department of Anatomy, Keimyung University School of Medicine

Award

Association of Korean Neuroscientists Research Award for 2009

Synapse Division of Korean Society Biochemistry and Molecular Biology for 2010

Korean Association of Anatomists Poster Award for 2014

Korean Medical Association Basic Researcher Award for 2015

Featured Publication

Hyunsu Lee, Jae-Hyung Park, Incheol Seo, Sun-Hyun Park, and Shin Kim. "Improved application of the electrophoretic tissue clearing technology, CLARITY, to intact solid organs including brain, pancreas, liver, kidney, lung, and intestine." *BMC developmental biology*. 2014;14, no. 1: 48.

Hyunsu Lee, Doyun Lee, Chang-Hwan Park, Won-Kyung Ho, Suk-Ho Lee. "GABA mediates the network activity-dependent facilitation of axonal outgrowth from the newborn granule cells in the early postnatal rat hippocampus." *Eur J Neurosci*. 2012;36(6):2743-52. doi:10.1111/j.1460-9568.2012.08192.x.

Hyunsu Lee. "Comparison of the Electrophysiological Properties of Excitatory and Inhibitory Neurons in the Mouse Visual Cortex." *Quantitative Bio-Science.* 2017 May;36(1):65–9.

Research Interest

Link between neuroscience and machine learning

Artificial Neural Network

Neural correlate of Learning and Memory

Genealogy of Memory

Neural development of hippocampus

Neuroethicss