

Curriculum Vitae

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Sangwoo Kim, Ph. D.

Postdoctoral researcher

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| Education | University of Science and Technology(UST) , Republic of Korea | March 2006 |
| | • Ph.D. in neuroscience | - Feb 2015 |
| | • UST-IBS & Korea Institute of Science and Technology(KIST) graduate program | |
| | Handong Global University , Republic of Korea | March 1998 |
| | • B.S. in Biology and Food Technology | - Feb 2006 |
| Scientific Experience | CNIR, IBS, Sungkyunkwan University, Republic of Korea | Jan 2016 |
| | <i>Postdoctoral researcher</i> | - present |
| | Department of Neurology, Biomedical Research Institute, Seoul National University Hospital, Republic of Korea | Dec 2014 |
| | <i>Postdoctoral researcher</i> | - Nov 2015 |
| | Hee-Sup Shin Lab, Center for Cognition and Sociality in IBS & Center for Neural Science in KIST, Republic of Korea | Jan 2006 |
| | <i>Ph.D. student</i> , Thesis: "Lateralization of observational fear learning at the cortical but not thalamic level in mice" | - Dec 2014 |
| | Hee-Sup Shin Lab, Center for Neural Science, KIST, Republic of Korea | Jul 2005 |
| | <i>Undergraduate researcher</i> | - Aug 2005 |
| Publications | • Shinheun Kim, Sangwoo Kim , Arshi Khalid, Yong Jeong, Bumseok Jeong, Soon-Tae Lee, Keun-Hwa Jung, Kon Chu, Sang Kun Lee, Daejong Jeon | |

(2016) Rhythmical photic stimulation at alpha frequencies facilitates antidepressant effects of fluoxetine in a mouse model of depression. *PLoS One* 11(1):e0145374

- Hiola Hakimova, **Sangwoo Kim**, Kon Chu, Sang Kun Lee, Bumseok Jeong, Daejong Jeon (2015) Ultrasound stimulation inhibits recurrent seizures and improves behavioral outcome in an experimental model of mesial temporal epilepsy. *Epilepsy and Behavior* 49:26-32
- **Sangwoo Kim**, Ferenc Mátyás, Sukchan Lee, László Acsády and Hee-Sup Shin (2012) Lateralization of observational fear learning at the cortical but not thalamic level in mice. *Proc Natl Acad Sci USA* 109(38):15497-15501.
- Daejong Jeon, **Sangwoo Kim**, Mattu Chetana, Daewoong Jo, H Earl Ruley, Shih-Yao Lin, Dania Rabah, Jean-Pierre Kinet and Hee-Sup Shin (2010) Observational fear learning involves affective pain system and $Ca_v1.2$ Ca^{2+} channels in ACC. *Nature Neuroscience* 13 (4):482-488

Poster Presentations

- Hiola Hakimova, **Sangwoo Kim**, Kon Chu, Sang Kun Lee, Bumseok Jeong, Daejong Jeon (2015) Ultrasound stimulation inhibits recurrent seizures and improves behavioral outcome in an experimental model of mesial temporal epilepsy. 5th London-Innsbruck Colloquium on Status Epilepticus and Acute Seizures. London, England.
- **Sangwoo Kim**, Ferenc Mátyás, Sukchan Lee, László Acsády and Hee-Sup Shin. Observational fear learning is lateralized at the level of cortex, but not at the thalamus in mice. The 8th Federation of European Neuroscience Societies (FENS), July 16 2012, Barcelona, Spain.
- Il-Hwan Choi, Kokeun Kim, Kubin Lee, **Sangwoo Kim** and Hee-Sup Shin. The mouse is a rational economic agent in Prisoner's Dilemma. The 41th annual meeting of the Society for Neuroscience (SFN), November 16 2011, Washington, DC. USA.
- **Sangwoo Kim**, Il-Hwan Choi, Kokeun Kim, Kubin Lee and Hee-Sup Shin. Genetic variation in the economic behavior of the mouse motivated by wireless intracranial self-stimulation. The 41th annual meeting of the Society for Neuroscience (SFN), November 16 2011, Washington, DC. USA.
- Kokeun Kim, Il-Hwan Choi, Kubin Lee, **Sangwoo Kim** and Hee-Sup Shin. Automated system for motivational behavior tests in mice using wireless intracranial self-stimulation. The 41th annual meeting of the Society for Neuroscience (SFN), November 16 2011, Washington, DC. USA.
- Hee-Sup Shin, Daejong Jeon, **Sangwoo Kim**, Mattu Chetana, H Earl Ruley, Jean-Pierre Kinet, Shih-Yao Lin and Daewoong Jo. Empathy fear in the mouse involves affective pain system and $Ca_v1.2$ Ca^{2+} channels in the anterior cingulate cortex. The 40th annual meeting of the Society for Neuroscience (SFN), November 15, 2010. San Diego, U.S.A.
- Il-Hwan Choi, Kubin Lee, **Sangwoo Kim**, W. Shon and Hee-Sup Shin.

Wireless deep brain stimulation in freely behaving mice. The 39th annual meeting of the Society for Neuroscience (SFN), October 2009, Chicago, USA