

Myoung-Goo Kang, Ph.D.

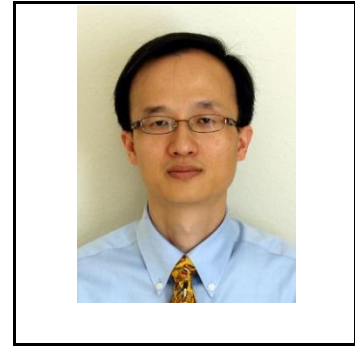
Principal Investigator

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Education

2003.02-2008.07	Postdoctoral Fellow	Johns Hopkins University
1997.08-2003.05	Ph.D. in Physiology	University of Iowa
1995.08-1997.05	M.S. in Biology	Loyola University Chicago
1989.02-1994.06	B.S. in Biology	Sogang University

Professional Experience

2013.06-Present	Principal Investigator	Center for Cognition and Sociality, IBS
2013.06-Present	Adjunct Professor	Graduate School of Medical Science & Engineering, KAIST
2008.08-2013.07	Assistant Professor	Department of Neuroscience and Cell Biology University of Texas Medical Branch (UTMB)

Academic Society

2003.01- Present	Full member	Society for Neuroscience
2010.01- Present	Faculty member	Mission Connect
2013.09- Present	Full member	Korean Society for Brain and neural Science

Publications

(Total 1238 citations, updated on Oct 1, 2015)

- Myoung-Goo Kang*, Kyunghee Byun*, Jae Ho Kim, Nam Hyun Park, Bonghee Lee, and Young Mok Park (2015) Proteogenomics of the human hippocampus: Toward the road ahead **Biochim. Biophys. Acta.** 1854(7):788-97. (IF=3.2) (2 citations)
(*Equal contribution)
- In Jung Ji, Serenus Hua, Donghee Shin, Nari Seo, Jae Yun Hwang, Ik-Soon Jang, Myoung-Goo Kang, Jong-Soon Choi, Hyun Joo An (2015) Spatially-Resolved Exploration of the Mouse Brain Glycome by Tissue Glyco-Capture (TGC) and Nano-LC/MS **Anal. Chem.** 87 (5): 2869-77 (IF=5.83)
- Daniel Z. Lee, Jin M. Chung, Kyungsoon Chung, and Myoung-Goo Kang (2012) Reactive oxygen species (ROS) modulate AMPA receptor phosphorylation and cell-surface localization in concert with pain-related behavior, **Pain** 153 (9): 1905-1915. (IF=5.64) (16 citations)
- Myoung-Goo Kang*, Mutsuo Nuriya, Yurong Guo, Kevin D. Martindale, Daniel Z. Lee, and Richard L. Huganir* (2012) Proteomic Analysis of α -Amino-3-hydroxy-5-methyl-4-isoxazole Propionate Receptor Complexes, **J. Biol. Chem.** 287(34):28632-45. (IF=4.65) (*Co-corresponding authors)
- Jianxiang Jiang, Kodeeswaran Parameshwaran, M. Lamar Seibenhener, Myoung-Goo Kang, Vishnu Suppiramaniam, Richard L. Huganir, Maria T. Diaz-Meco, and Marie W. Wooten, (2009) AMPA Receptor Trafficking and Synaptic Plasticity Require SQSTM1/p62. **Hippocampus** 19(4):392-

406. (IF=5.49) (24 citations)
- Myoung-Goo Kang, Yurong Guo, and Richard L. Huganir, (2009) AMPA receptor and GEF-H1/Lfc complex regulates dendritic spine development through RhoA signaling cascade. **Proc Natl Acad Sci** 106(9):3549-54. (IF=9.74) (36 citations)
 - Hailan Hu, Eleonore Real, Kogo Takamiya, Myoung-Goo Kang, Joeph Ledoux, Richard L. Huganir, and Roberto Malinow (2007) Emotion Enhances Learning via Norepinephrine Regulation of AMPA Receptor Trafficking. **Cell** 131(1): 160-173. (IF=31.96) (256 citations)
 - Jean-Claude Béïque, Da-Ting Lin, Myoung-Goo Kang, Hiro Aizawa, Kogo Takamiya, and Richard L. Huganir. (2006) Synapse-specific regulation of AMPA receptor function by PSD-95. **Proc Natl Acad Sci** 103(51): 19535-19540. (IF=9.74) (189 citations)
 - Jannic Boehm*, Myoung-Goo Kang*, Richard C. Johnson, Jose Esteban, Richard L. Huganir and Roberto Malinow. (2006) Synaptic Incorporation of AMPA Receptors During LTP is Controlled by a Novel PKC Phosphorylation Site on GluR1. **Neuron** 51(2):213-25 (IF=15.77) (***Equal contribution**) (273 citations)
 - Myoung-Goo Kang, Chien-Chang Chen, Minoru Wakamori, Yuji Hara, Yasuo Mori, and Kevin P. Campbell. (2006) A functional AMPA receptor-calcium channel complex in postsynaptic membrane. **Proc Natl Acad Sci** 103(14): 5561-5566. (IF=9.74) (20 citations)
 - Yarden Opatowsky, Orna Chomsky-Hecht, Myoung-Goo Kang, Kevin P. Campbell, and Joel A. Hirsch (2003) The Voltage-Dependent Calcium Channel β Subunit contains Two Stable Interacting Domains. **J. Biol. Chem.** 278(52):52323-32. (IF=4.65) (80 citations)
 - Manabu Murakami, Hisao Yamamura, Takashi Suzuki, Myoung-Goo Kang, Susumu Ohya, Agnieszka Murakami, Ichiro Miyoshi, Hironobu Sasano, Katsuhiko Muraki, Takuzou Hano, Noriyuki Kasai, Shinnsuke Nakayama, Kevin P. Campbell, Veit Flockerzi, Yuji Imaizumi, Teruyuki Yanagisawa, and Toshihiko Iijima. (2003) Modified cardiovascular L-type channels in the mice lacking the voltage-dependent Ca²⁺ channel β_3 subunit. **J. Biol. Chem.** 278(44):43261-7. (IF=4.65) (50 citations)
 - Verity A. Letts, Myoung-Goo Kang, Connie L. Mahaffey, Barbara Beyer, Heather Tenbrink, Kevin P. Campbell, Wayne N. Frankel (2003) Phenotypic heterogeneity in the stargazin allelic series. **Mamm Genome** 14(8):506-13. (IF=2.42) (25 citations)
 - Myoung-Goo Kang and Kevin P. (2003) Gamma subunit of voltage-activated calcium channels **J. Biol. Chem.** 278(24):21315-8. (IF=4.65) (78 citations)
 - Myoung-Goo Kang, Ricardo Felix, and Kevin P. Campbell. (2002) Long-term regulation of neuronal P/Q-type Ca²⁺ channels expressed in *Xenopus* oocytes by gabapentin. **FEBS Lett.** 528:177-182. (IF=3.58) (46 citations)
 - Myoung-Goo Kang, Chien-Chang Chen, Ricardo Felix, Verity A. Letts, Wayne N. Frankel, Yasuo Mori, and Kevin P. Campbell. (2001) Biochemical and biophysical evidence for γ_2 subunit association with neuronal voltage-activated Ca²⁺ channels. **J. Biol. Chem.** 276 (35):32917-32924. (IF=4.65) (123 citations)
 - Myoung-Goo Kang, Andrei Kulisz, and William J. Wasserman (1998) Raf-1 kinase, a potential regulator of intracellular pH in *Xenopus* oocytes. **Biol. Cell.** 90(6-7):477-85. (IF=3.49) (11 citations)