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## Education

1994 *Ph.D. in Pharmacology and Toxicology, Michigan State University*  
1988 *MS in Biological Sciences, KAIST*  
1986 *BS in Pharmacology, Busan National University*

## Positions held

2012-present *Director, Center for Synaptic Brain Dysfunctions, IBS*  
2000-present *Assistant, Associate & Full Professor, Dept. of Biological Sciences, KAIST*  
1997-2000 *Assistant Professor, Dept. of Pharmacology, Busan National University*  
1995-1997 *Postdoc, HHMI, Harvard Medical School*

## Awards & Honours

2018 *ASAN Awards in Medicine, ASAN Foundation*  
2014 *KAISTian of the Year, KAIST*  
2013 *POSCO Chung-AM Award, POSCO*  
2011 *Chair Professor, KAIST*  
2010 *Member, Korean Academy of Science and Technology*

## Current editorial boards

2017-present *Scientific Reports*  
2016-present *Matters*  
2012-present *eLife*  
2012-present *Experimental Neurobiology*  
2007-present *Frontiers in Molecular Neuroscience*

## Five selected (recent) publications

1. Lee E, Lee J, Kim E. (2017)  
Excitation/inhibition imbalance in animal models of Autism Spectrum Disorders  
**Biol Psychiatry** 81(10), pp.838-847
2. Lie E, Ko JS, Choi SY, Roh JD, Cho YS, Noh R, Kim D, Li Y, Kang H, Cho TY, Nam J, Mah W, Lee D, Lee SG, Kim HM, Kim H, Choi SY, Um JW, Kang MG, Bae YC, Ko J, Kim E. (2016)  
SALM4 suppresses excitatory synapse development by cis-inhibiting trans-synaptic SALM3-LAR adhesion  
**Nat Commun** 7:12328
3. Jang S, Oh D, Lee Y, Hosy E, Shin H, van Riesen C, Whitcomb D, Warburton JM, Jo J, Kim D, Kim SG, Um SM, Kwon SK, Kim MH, Roh JD, Woo J, Jun H, Lee D, Mah W, Kim H, Kaang BK, Cho K, Rhee JS, Choquet D, Kim E. (2016)  
Synaptic adhesion molecule IgSF11 regulates synaptic transmission and plasticity  
**Nat Neurosci** 19(1), pp.84-93
4. Lee EJ, Lee H, Huang TNE, Chung C, Shin W, Kim K, Koh JY, Hsueh YP, Kim E. (2015)  
Trans-synaptic zinc mobilization improves social interaction in two mouse models of autism through NMDAR activation  
**Nat Commun** 6:7168

5. Chung W, Choi SY, Lee E, Park H, Kang J, Park H, Choi Y, Lee D, Park SG, Kim R, Cho YS, Choi J, Kim MH, Lee JW, Lee S, Rhim I, Jung MH, Kim D, Bae YC, **Kim E.** (2015)

Social deficits in IRSp53 mutant mice improved by NMDAR and mGluR5 suppression

**Nat Neurosci** 18(3), pp.435-443