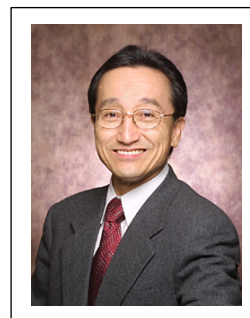


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Education

1983 Ph.D. in Genetics & Cell Biol. Cornell University
1977 M. D., Seoul National University
1974 Premed, Seoul National University

Positions held

2012-present Director, Center for Cognition and Sociality, IBS,
2011-2012 Founding Director, Brain Science Institute, KIST
2005-2011 Director, Center for Neural Science, KIST
2001-2012 Principal Research Scientist, KIST
1997-2003 Director, National CRI Center for Calcium and Learning
1996-1998 Director, Biotechnology Research Center, POSTECH
1991-2001 Associate Professor, Professor, Dept. Life Science, POSTECH
1985-1991 Assistant Professor, Dept. of Biology, MIT
Associate Member, Whitehead Institute for Biomedical Research
1983-1985 Research Associate in Genetics, Sloan-Kettering Institute for Cancer Research
1978-1980 Postdoctoral Fellow in Immunology, Sloan-Kettering Institute for Cancer Research
1974-1978 Research Fellow, College of Medicine, Seoul National University

Awards & Honours

1983 Frank Lappin Horsfall, Jr. Award, Cornell University Graduate School of Medical Science
1994 Korean Academy of Science and Technology, Member Research Fellow, College of Medicine, Seoul National University
1997 Hantan Life Science Award, Hantan Foundation
1998 Award for Excellent Research Paper in Science & Technology, MOST
2000 Hamchun Medical Science Award, Hamchun Foundation
2003 Person of the Month, KIST
2004 Scientist-of-the-month Award, MOST
2004 Dupont Prize, Dupont Foundation
2004 Grand Prize, KIST
2004 Hoam Prize, Hoam Foundation
2004 Order of Civil Merit (Dongbaeg Medal), President of Korea
2004 AHF Lectureship Award, Calgary University, Canada
2005 Best Scientist Award, MOST, Korea
2006 National Honor Scientist, MOST, Korea
2009- National Academy of Science, USA, Foreign Associate
2010- National Academy of Sciences, Republic of Korea, Member
2014 NEBS Lectureship Award, USA, New England Bioscience Society
2015 Hotchkiss Brain Institute Lectureship Award, University of Calgary
2018 AAAS Fellow, American Association for Advancement of Science
2019 Torsten Wiesel Lecture, IBRO Congress-2019

Selected committee work

Domestic
2004-2005 Chair of the Board, Korean Society for Brain and Neural Science
2005-2006 Member, Presidential Advisory Council on Science & Technology, Korea
2006-2007 President, Korean Society for Molecular and Cellular Biology
2008-2010 President, Bioscience and Biotechnology Association, Korea

2011-2012 Member, Presidential Advisory Council on Education, Science & Technology, Korea
2012- Member, Board of Directors, Samsung Life Public Welfare Foundation
2013-2017 Member, Presidential Advisory Council on Intellectual Property
2014-2015 Member, Presidential Advisory Council on Science & Technology, Korea

International

1999-2004 Member, Asia-Pacific Regional Committee, International Brain Research Organization (IBRO),
1999- Member, International Molecular Biology Network (A-IMBN)
2004-2008 Council of Scientist, Human Frontier Science Program (HFSP)
2005-2006 President, International Behavioral and Neural Genetics Society
2006-2009 Chair, Symposia and Workshops Funding Program Committee, IBRO
2007 Ext Review Board, RIKEN, BSI, Advanced Technology Development Program
2008 International Program Committee, International Congress of Genetics
2010 RIKEN Brain Science Institute Summer Course
2012-2016 Members & Chapters Committee, Society for Neuroscience, USA
2014- Council Member, Molecular Cellular Cognition Society
2015-2019 Organizing Committee, Francis-Crick Symposium-2017 & 2019, Cold Spring Harbor
Laboratory-Asia
2017- Chair, Scientific Program Committee, IBRO Congress-2019
2018- Chair, Organizing Committee, Keystone Symposium-2020 on Neurocircuitry of Social Behavior

Five selected (recent/representative) publications

1. Lee S, Ahmed T, Lee S, Kim H, Choi C, Kim DS, Kim SJ, Cho J, Shin HS (2012) Bidirectional modulation of fear extinction by mediodorsal thalamic firing in mice. *N Neurosci* 15(2):308-14
2. Lee J, Song K, Lee K, Hong J, Lee H, Chae S, Cheong E, Shin HS (2013) Sleep spindles are generated in the absence of T-type calcium channel-mediated low-threshold burst firing of thalamocortical neurons. *PNAS* 10(50):20266-71
3. Latchoumane CV, Ngo HV, Born J, Shin HS (2017) Thalamic Spindles Promote Memory Formation during Sleep through Triple Phase-Locking of Cortical, Thalamic, and Hippocampal Rhythms. *Neuron* 95(2):424-435.e6
(This article has been recommended in F1000Prime as being of special significance in its field by F1000 Faculty Member Douglas Bayliss.)
4. Choe IH, Byun J, Kim K, Park S, Kim I, Jeong J, Shin HS (2017) Mice in conflict show rule-observance behavior enhancing long-term benefit. *Nature Communications* 7;8(1):1176
(This article has been highlighted in Nature by a NEWS & VIEWS article by Scott M. Rennie and Michael Platt.)
5. Keum S, Kim A, Shin J, Kim JH, Park J, Shin HS (2018) A missense variant at the Nrnx3 locus enhances empathy fear in the mouse. *Neuron* 98(3):588-601
(This article has been highlighted in Neuron by a Preview Article by Dr. Gloria Choi.)
(This article has been recommended in F1000Prime as being of special significance in its field by F1000 Faculty Member Louis F Reichardt.)