



• Field Pharmacology  
• Name Heo, Seong-oh  
• Title Professor

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## Education background

1980 ~ 1985 Seoul National University (Bachelor of Science - Molecular biology)  
1985 ~ 1987 Master of Science - Cell biology  
1988 ~ 1993 Cornell University Weil Cornell Medical College, USA (Doctor of Science - Neurology)

## Major careers

2016 ~ Head of the Brain. High-tech Biomedical Engineering field, the National Policy Research Headquarters, the National Research Foundation of Korea  
2014 ~ 2015 Director of the Korean Society of Brain  
2013 ~ Present editor of the Korean Society of Pharmacology  
2011 ~ 2012 Vice dean of the College of Medicine, Hallym University (Foreign exchange)  
2009 ~ 2012 Head professor of the Institute of Pharmacology, the College of Medicine, Hallym University  
2010 ~ 2011 President of the Subcommittee of Cranial Nerve Embryology, the Korean Society for Molecular and Cellular Biology  
2008 ~ 2011 Dean of the Department of Medial Sciences, the Graduate School, the Hallym University  
2006 ~ Editor of the Korean Society for Molecular and Cellular Biology  
2004 ~ 2005 Visiting professor of the Scripps Research Institute  
2000 ~ 2004 Manager of the Department of Environmental Safety Management, Hallym University  
1997 ~ Present assistant professor, associate professor, and professor of the College of Medicine, Hallym University  
1993 ~ 1997 Postdoctoral researcher of the Memorial Sloan Kettering Cancer Center  
1988 ~ 1993 Scholarship research assistant of the College of Medicine, Cornell University, U.S.  
1987 ~ 1988 Research assistant of the Department of Pharmacology, the College of Medicine, Seoul National University

## Studies & Books

### Theses

주저자: 제1저자, 공동저자(교신), 단독

- Morus alba Accumulates Reactive Oxygen Species to Initiate Apoptosis via FOXO-Caspase 3-Dependent Pathway in Neuroblastoma Cells. [Molecules and Cells, SCI급, 공동(교신), 2015]
- PLGA-Loaded Gold-Nanoparticles Precipitated with Quercetin Downregulate HDAC-Akt Activities Controlling Proliferation and Activate p53-ROS Crosstalk to Induce Apoptosis in Hepatocarcinoma Cells. [Molecules and Cells, SCI급, 공동(교신), 2015]
- Induction of apoptosis by Dioscorea nipponica Makino extracts in human SH-SY5Y neuroblastoma cells via mitochondria-mediated pathway [Animal Cells and Systems, SCI급, 공동(교신), 2014]
- Application of in Utero Electroporation of G-Protein Coupled Receptor (GPCR) Genes, for Subcellular Localization of Hardly Identifiable GPCR in Mouse Cerebral Cortex [Molecules and Cells, SCI급, 공동(교신), 2014]

공동저자: 공동저자(참여)

- Enhancement of Short-Term Memory by Methyl-6-(Phenylethynyl)-Pyridine in the BTBR T+tf/J Mouse Model of Autism Spectrum Disorder. [Endocrinol Metab, KCI등재, 공동(참여), 2015]
- MiR-29b controls fetal mouse neurogenesis by regulating ICAT-mediated Wnt/ $\beta$ -catenin signaling. [Cell Death and Diseases, SCI급, 공동(참여), 2014]

## Others

■ Major research topic

- A study on brain gene functions involved in neurodevelopment
- A study on molecular pharmacological action mechanism of GPCR receptor
- Animal model development of a study on cranial nerve developmental disorder

■ Academic activities

- Regular member of the American Academy of Neurology
- Director of the Korean Society for Brain and Neural Science
- Director of the Korean Society for Molecular and Cellular Biology
- Regular member of the Korean Society of Pharmacology
- Director of the Korean Society for Integrative Biology