

Name (Last, First, Middle):

JEONG, SUNG-JIN

BIOGRAPHICAL SKETCH

	NAME	POSITION TITLE/INSTITUTE		
	Jeong, Sung-Jin	Principal Researcher Lab head/Molecular Aging and Development Lab Director/IBRO Korea Office Korea Brain Research Institute Adjunctive Professor/DGIST		
EDUCATION/TRAINING				
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY	
Catholic University of Korea	B.S.	1992	Biology	
Seoul National University	M.S.	1994	Molecular Biology	
Seoul National University	Ph.D.	2000	Molecular Biology	

A. Positions and Employment

- 2000-2002 Post-doc, College of Medicine, Seoul National University, Seoul, Korea
- 2002-2009 Research Fellow, Harvard Medical School&Massachusetts General Hospital, Boston, MA
- 2009-2013 Research Fellow, Harvard Medical School&Children's Hospital Boston, Boston, MA
- 2013-present Principal Researcher, Korea Brain Research Institute
(Research Interest: Brain Development and disorders)

B. Selected peer-reviewed publications

- Jeong SJ**, Lee IY, Jun BO, Ryu YJ, Sohn JW, Kim SP, Woo CW, Koo JW, Cho IJ, Oh U, Kim K, Suh PG. Korea Brain Initiative: Emerging Issues and Institutionalization of Neuroethics. *Neuron* (2019) 101:391-393
* **(Neuron Editorial)** Rommelfanger KS, **Jeong SJ**, Montojo C, and Zirlinger M. Neuroethics: Think Global. *Neuron* (2019) 101:364
- Global Neuroethics Summit Delegates, Rommelfanger KS, **Jeong SJ**, Ema A, Fukushi T, Kasai K, Ramos KM, Salles A, Singh I. Neuroethics Questions to Guide Ethical Research in the International Brain Initiatives. *Neuron* (2018) 100(1):19-36
- Giera S, Luo R, Ying Y, Ackerman SD, **Jeong SJ**, Stoveken HM, Folts CJ, Welsh CA, Tall GG, Stevens B, Monk KR, Piao X. Microglial transglutaminase-2 drives myelination and myelin repair via GPR56/ADGRG1 in oligodendrocyte precursor cells (2018) *eLife*.33385
- Jeong SJ**, Lee H, Hu EM, Choe Y, Koo JW, Rah JC, Lee KJ, Lim HH, Sun W, Moon C, and Kim K. Korea Brain Initiative: Integration & Control of Brain Functions (2016) *Neuron* 92(3) 607-611

5. Lee E, Choi J, Jo Y, Kim JY, Jang YJ, Lee HM, Kim SY, Lee H-J, Cho K, Jung N, Hur EM, **Jeong SJ**, Moon C, Choe Y, Rhyu IJ, Kim H, and Sun W. ACT-PRESTO: Rapid and consistent tissue clearing and labeling method for 3-dimensional (3D) imaging (2015) *Scientific Reports* 6, 18631 doi:10.1038/srep18631
6. Petersen SC, Luo R, Liebscher I, Giera S, **Jeong SJ**, Mogha A, Ghidinelli M, Feltri ML, Schöneberg T, Piao X, Monk KR. The adhesion GPCR GPR126 has distinct, domain-dependent functions in Schwann cell development mediated by interaction with laminin-211. (2015) *Neuron*. 85(4):755-69.
7. **Jeong SJ**, Luo R, Singer K, Giera S, Krediberg J, Kyojumi D, Shimono C, Sekiguchi K, and Piao X. (2013) GPR56 functions together with $\alpha 3\beta 1$ integrin in regulating cerebral cortical development *PLoS ONE* 8(7):E68781.
8. **Jeong SJ**, Luo R, Li S, Strokes N, and Piao X. (2013) Characterization of G Protein-Coupled Receptor 56 Protein Expression in the Mouse Developing Neocortex. *Journal of Comparative Neurology* 520(13):2930-2940.
9. **Jeong SJ**, Li S, Luo R, Storkes N, and Piao X. (2012) Loss of Col3A1, the gene for Ehler-Dalons Syndrom, results in neocortical dyslamination. *PLoS ONE* 7(1):e29727.
10. Luo R*, **Jeong SJ***, Jin Z*, Storkes N, Li S, and Piao X. (2011) G protein-coupled receptor 56 and collagen III, a receptor-ligand pair, regulates cortical development and lamination. *Proc Natl Acad Sci U S A* 108:12925-12930.

* ***These authors contributed equally to the work***

C. Awards/Honors/Memberships

2019	Committee Member, Korea Society for Neural and Brain Science
2018 - Present	Council Member, World Economic Forum, Neurotechnology Council
2018 - Present	Member, Nat'l Brain Science Working Committee (Ministry of Science & ICT)
2018	Committee Member, Korea Society for Molecular and Cellular Biology
2017 - Present	Co-chair, Global Neuroethics Summit
2017 - Present	Secretary General, FAONS (Federation of Asian Oceanian Neuroscience Societies)
2016 - Present	Office Director of IBRO 2019
2015	Award of Daegu City Mayor
1994 - Present	Member, Society for Neuroscience

D. Research Support

Ongoing Research Support

NRF	Sung-Jin Jeong (PI)	06/01/2015-05/30/2020
Establishment of brain mapping DB to development the diagnostic approaches for developmental brain disorders		

NRF	Sung-Jin Jeong (PI)	06/01/2017-12/31/2021
Multimodal DB station for understanding neural networks of prefrontal cortex		
NRF	Sung-Jin Jeong (PI)	06/01/2019-12/31/2023
International and domestic networking of neuroethics		
<u>Past Research Support</u>		
William Randolph Hearst Fund	Sung-Jin Jeong (PI)	07/01/2010-06/30/2012
GPR56 and its ligand in cortical development and malformation.		
Cerebral Palsy Int'l Res Foundation	Sung-Jin Jeong (PI)	01/01/2013-12/31/2014
The role of GPR56 in neural migration during cortical development and malformation (Transferred to Dr. Piao since 2013)		
KOFST (Brain Pool)	Sung-Jin Jeong (PI)	08/01/2014-07/31/2015
Screening of pre-diagnostic markers and therapeutic candidates using convergence nanomic research approaches for brain diseases		
NRF	Sung-Jin Jeong (PI)	06/01/2013-05/30/2016
Molecular Mechanism of mouse hypoxic-ischemia encephalopathy mediated by GPR56		
Daegu City	Sung-Jin Jeong (PI)	08/01/2015-12/08/2012
Cluster of Brain Precision Medicine		
Daegu TP	Sung-Jin Jeong (PI)	08/01/2016-12/08/2016
Strategy for Brain Industry		
NRF	Sung-Jin Jeong (PI)	06/01/2017-12/31/2017
Basic Research Planning : 3 rd Basic Planning of Korea Brain Research Promotion (2018~2028)		