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AFFILIATION:

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ACADEMIC EDUCATION:

1984 ~ 1990: DDS, College of Dentistry, Seoul National University, Seoul, Korea
1990 ~ 1992: MS, Graduate School, Seoul National University, Seoul, Korea
1992 ~ 1997: PhD, Graduate School, Seoul National University, Seoul, Korea
1998 ~ 2000: Postdoctoral fellow in Dept. Neurobiology, Pharm. & Physiol. Sci.
University of Chicago, USA.
2000 ~ 2002: Research Associate in Dept. Mol. Pharm. & Biol. Chem.
Northwestern University Medical School, USA

RESEARCH & PROFESSIONAL EXPERIENCE:

2002 ~ Present: Assistant professor (2002), Tenured Associate Professor (2006) and Professor (2011)
in Dept. of Neurobiology and Physiology, School of Dentistry Seoul National
University, Republic of Korea
2007 ~ 2010: Honorary Visiting professor, University of Manchester, UK
2008 ~ 2009: Visiting professor, Dept. of Neurobiology Harvard Medical School, USA
2013 ~ Present: Professor in Dept. of Brain and Cognitive Sciences College of Natural Sciences, Seoul
National University

SELECTED RECENT PUBLICATIONS

1. TRPV1 in GABAergic interneurons mediates neuropathic mechanical allodynia and disinhibition of the nociceptive circuitry in the spinal cord. Kim YH, Back SK, Davies AJ, Jeong H, Jo HJ, Chung G, Na HS, Bae YC, Kim SJ, Kim JS, Jung SJ, **Oh SB**. *Neuron* 2012 74(4):640-7
2. Inhibition of mechanical allodynia in neuropathic pain by TLR5-mediated A-fiber blockade. Xu ZZ, Kim YH, Bang S, Zhang Y, Berta T, Wang F, **Oh SB**, Ji RR. *Nature Medicine* 2015 21(11):1326-31.
3. High-resolution Transcriptome Analysis Reveals Neuropathic Pain Gene- Expression Signatures in Spinal Microglia Following Nerve Injury. Jeong H, Na YJ, Lee K, Kim YH, Lee Y, Kang M, Jiang BC, Yeom YI, Wu LJ, Gao YJ, Kim J, **Oh SB**. *Pain* 2016 157(4):964-76
4. Piezo2 Expression in Mechanosensitive Dental Primary Afferent Neurons. Won J, Vang H, Lee PR, Kim YH, Kim HW, Kang Y, **Oh SB**. *J Dent Res*. 2017 96(8):931-937
5. Peripheral GABA_A receptor-mediated signaling facilitates persistent inflammatory hypersensitivity. Lee PR, Yoon SY, Kim HW, Yeo JH, Kim YH, **Oh SB**. *Neuropharmacology* 2018 135:572-580
6. TRPM7 mediates mechanosensitivity in adult rat odontoblasts. Won J, Vang H, Kim JH, Lee PR, Kang Y **Oh SB**. *J Dent Res*. 2018 97(9):1039-1046
7. Hedonic drinking engages a supra-spinal inhibition of thermal nociception in adult rats. Davies AJ, Kim D, Park J, Lee JY, Vang H, Pickering AE, **Oh SB**. *Pain* 2019 160(5):1059-1069
8. Natural Killer Cells Degenerate Intact Sensory Afferents following Nerve Injury. Davies AJ, Kim HW, Gonzalez-Cano R, Choi J, Back SK, Roh SE, Johnson E, Gabriac M, Kim MS, Lee J, Lee JE, Kim YS, Bae YC, Kim SJ, Lee KM, Na HS, Riva P, Latremoliere A, Rinaldi S, Ugolini S, Costigan M, **Oh SB**. *Cell* 2019 176(4):716-728