

INJUNE KIM

Professor

Graduate School of Medical Science & Engineering
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EDUCATION

1988-1992 B.S. (Biology) Seoul National University, Seoul, ROK
1993-1995 M.S. (Life Science) Pohang University of Science and Technology, Pohang, ROK
1995-1998 Ph.D. (Life Science) Pohang University of Science and Technology, Pohang, ROK

RESEARCH AND PROFESSIONAL EXPERIENCE

1998-2002 Postdoctoral fellow at Dr. Gou Young Koh's Laboratory
National Creative Research Initiatives Center, Chonbuk National University, Chonju, ROK
Department of Life Science, Pohang University of Science and Technology, Pohang, ROK
2002-2008 Postdoctoral fellow at Dr. Sean Morrison's Laboratory
Center for Stem Cell Biology and Howard Hughes Medical Institute
University of Michigan, Ann Arbor, Michigan, USA
2008-present Assistant/Associate/Full Professor
Graduate School of Medical Science and Engineering
Korea Advanced Institute of Science and Technology, Daejeon, ROK
2017-present Head of GSMSE, KAIST

HONORS

2014 Government Merit Awards for Health Technology Development, Commendation from the Minister of Health and Welfare, ROK

SELECTED PUBLICATIONS

1. Koh BI, Lee HJ, Kwak PA, Yang MJ, Kim JH, Kim HS, Koh GY† and **Kim I**†. VEGFR2 signaling drives meningeal vascular regeneration upon head injury. *Nat Comms* 2020 11: 3866. †corresponding authors
2. Yang JM, Park CS, Kim SH, Noh TW, Kim JH, Park S, Lee J, Park JR, Yoo D, Jung HH, Takase H, Shima DT, Schwaninger M, Lee S, Kim IK, Lee J, Ji YS, Jon S, Oh WY, Kim P, Uemura A, Ju YS and **Kim I**†. Dll4 suppresses transcytosis for arterial blood-retinal barrier homeostasis. *Circ Res*. 2020 126(6): 767-783. †corresponding author
3. Kim IK, Kim K, Lee E, Oh DS, Park CS, Park S, Yang JM, Kim JH, Kim HS, Shima DT, Kim JH, Hong SH, Cho YH, Kim YH, Park JB, Koh GY, Ju YS, Lee HK, Lee S†, **Kim I**†. Sox7 promotes high-grade glioma by increasing VEGFR2-mediated vascular abnormality. *J Exp Med*. 2018 215(3): 963-983. †corresponding authors
4. Kim K, Kim IK, Song S, Koh BI, Park J, Lee S, Choi C, Kim JW, Kubota Y, Koh GY and **Kim I**†. SoxF transcription factors are positive feedback regulators of VEGF signaling. *Circ Res*. 2016 119(7): 839-52. †corresponding author
5. Lee S, Kim IK, Ahn JS, Woo DC, Kim ST, Song S, Koh GY, Kim HS, Jeon BH and **Kim I**†. Deficiency of endothelium-specific transcription factor Sox17 induces intracranial aneurysm. *Circulation*. 2015 131(11): 995-1005. †corresponding author
6. Lee SH, Lee S, Yang H, Song S, Kim K, Saunders TL, Yoon JK, Koh GY† and **Kim I**†. Notch pathway targets proangiogenic regulator Sox17 to restrict angiogenesis. *Circ Res*. 2014 115(2): 215-26. †corresponding authors
7. Yang H, Lee S, Lee S, Kim K, Yang Y, Kim JH, Adams RH, Wells JM, Morrison SJ, Koh GY and **Kim I**†. Sox17 promotes tumor angiogenesis and destabilizes tumor vessels in mice. *J Clin Invest*. 2013 123(1): 418-31. †corresponding author
8. **Kim I**, Saunders TL and Morrison SJ. Sox17 dependence distinguishes the transcriptional regulation of fetal from adult hematopoietic stem cells. *Cell*. 2007 130(3): 470-83.