

Curriculum Vitae

Kunyoo Shin, Ph.D.
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Department of Life Sciences
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Education

2001 – 2006 Ph.D., Department of Biological Chemistry, University of Michigan Medical School, Ann Arbor, MI USA
1998 – 2000 M.S., Department of Life Science and Biotechnology, Graduate School of Biotechnology, Korea University, Seoul Korea
1991 – 1998 B.A., Department of Agricultural Biochemistry, Korea University, Seoul Korea

Honors and Awards

2014 NIH Pathway to Independence Award (R00)
National Cancer Institute, NIH
2012 NIH Pathway to Independence Award (K99)
National Cancer Institute, NIH
2012 Invited to speak at Regenerative Medicine at Stanford (ReMS), Stanford University, Stanford, CA USA
2010 Selected to present a platform presentation at 8th Annual meeting of International Society for Stem Cell Research (ISSCR), San Francisco, CA USA
2008 Excellent Biomedical Scientist Award, College of Medicine, Seoul National University, Seoul Korea.
2006 Anthony and Lillian Lu Award on the achievement in the graduate program, University of Michigan Medical School, Ann Arbor, MI USA

Positions, Training and Employment

2016 - current Assistant Professor, Department of Life Sciences, Pohang University of Science and Technology
2014 - 2016 Assistant Professor, Department of Cell, Developmental & Cancer Biology, Department of Urology, Oregon Health & Science University School of Medicine, Portland, OR USA

2014- 2016	Member, Knight Cancer Institute, Oregon Health & Science University, Portland, OR USA
2014- 2016	Member, OHSU Center for Spatial Systems Biomedicine, Oregon Health & Science University, Portland, OR USA
2012 - 2014	Instructor, Institute for Stem Cell Biology and Regenerative Medicine, Stanford University School of Medicine, Stanford, CA USA
2008 - 2012	Research Associate in the laboratory of Dr. Phil Beachy, Howard Hughes Medical Institute, Institute for Stem Cell Biology and Regenerative Medicine, Stanford University School of Medicine, Stanford, CA USA
2007 - 2008	Postdoctoral fellow in the laboratory of Dr. Stefan Heller, Department of Otolaryngology/Head and Neck Surgery, Stanford University School of Medicine, Stanford, CA USA
2006 - 2007	Postdoctoral fellow in the laboratory of Dr. Andrew McMahon, Department of Molecular and Cellular Biology, Harvard University, Cambridge, MA USA
2001 - 2006	Graduate Student Research Assistant in the laboratory of Dr. Ben Margolis, Howard Hughes Medical Institute, Department of Biological Chemistry, University of Michigan Medical School, Ann Arbor, MI USA
2002	Teaching Assistant, Department of Biological Chemistry, University of Michigan Medical School, Ann Arbor, MI USA
2000 - 2001	Researcher, Hyonam Kidney Laboratory, SoonChunHyang University Hospital, Seoul Korea
1998 - 2000	Research and Teaching Assistant, Department of Life Science and Biotechnology, Graduate School of Biotechnology, Korea University, Seoul Korea

Other Experience and Professional Membership

2014- current	Member, American Association for Cancer Research (AACR)
2010- current	Member, International Society for Stem Cell Research (ISSCR)
2014- current	Editorial Board, Bladder

Publications

Lim, A[§], **Shin K^{§*}**, Zhao, C, Kawano, C, Beachy PA*. Spatially restricted Hedgehog signaling regulates HGF-induced branching of the adult prostate. **Nat Cell Biol.** 2014 Dec;16(12):1135-45. [§]Co-first authors. ^{*}Co-corresponding authors.

Shin K*, Lim A, Zhao C, Sahoo D, Pan Y, Spiekerkoetter E, Liao JC, Beachy PA*. Hedgehog signaling restrains bladder cancer progression by eliciting stromal production of urothelial differentiation factors. **Cancer Cell.** 2014 Oct 13;26(4):521-33. ^{*}Co-corresponding authors.

Shin K*, Lim A, Odegaard JI, Honeycutt JD, Kawano S, Hsieh MH, Beachy PA*. Cellular Origin of Bladder Neoplasia and Tissue Dynamics of its Progression to Invasive Carcinoma. **Nat. Cell Biol.** 2014 May;16(5):469-78. ^{*}Co-corresponding authors. *Highlighted in Nat. Rev. Cancer. 2014 Jun;14(6):386-7. Highlighted in Nat. Rev. Urol. 2014 Jun;11(6):302.*

Shin K*, Lee J, Guo N, Kim J, Lim A, Qu L, Mysorekar IU, Beachy PA*. Hedgehog/Wnt Feedback Supports Regenerative Proliferation of Bladder Stem Cell. **Nature**. 2011 Apr 7;472(7341):110-4. *Co-corresponding authors. *Recommended by Faculty of 1000*.

Oshima K, **Shin K**, Peng AW, Ricci AJ, Heller S. Mechanosensitive Hair Cell-Like Cells from Embryonic and Induced Pluripotent Stem Cells. **Cell**. 2010 May 14;141(4):704-16.

Shin K, Wang Q and Margolis B. PATJ Regulates Directional migration of Mammalian Epithelial Cells. **EMBO Rep**. 2007 Feb;8(2):158-64.

Shin K and Margolis B. ZOning Out Tight Junctions. **Cell**. 2006 Aug 25;126(4):647-9.

Shin K, Vanessa CF and Margolis B. Tight Junction and Cell Polarity. **Annu Rev Cell Dev Biol**. 2006 Nov; 22:207-35.

Shin K, Straight SW and Margolis B. PATJ Regulates Tight Junction Formation and Polarity in Mammalian Epithelial Cells. **J Cell Biol**. 2005 Feb 28;168(5):705-11.

Straight SW, **Shin K**, Fogg VC, Fan S, Liu CJ, Roh M, Margolis B. Loss of PALS1 Expression Leads to Tight Junction and Polarity Defects. **Mol Biol Cell**. 2004 Apr;15(4):1981-90.

Roh MH, Makarova O, Liu CJ, **Shin K**, Lee S, Laurinec S, Goyal M, Wiggins R, Margolis B. The Maguk protein, Pals1, functions as an adapter, linking mammalian homologues of Crumbs and Discs Lost. **J Cell Biol**. 2002 Apr 1; 157(1): 161-72.

Kwak JH, **Shin K**, Woo JS, Kim MK, Kim SI, Eom SH, Hong KW Expression, purification, and crystallization of glutamyl-tRNA(Gln) specific amidotransferase from *Bacillus stearothermophilus*. **Mol Cells**. 2002 Dec 31;14(3):374-81.

Kwak JH, Woo JS, **Shin K**, Kim HJ, Jeong HS, Han DC, Kim SI, Park CS. Expression and regulation of latent TGF-beta binding protein-1 transcripts and their splice variants in human glomerular endothelial cells. **J Korean Med Sci**. 2005 Aug;20(4):628-35.