

# Curriculum Vitae

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## Jingu Lee(이진구), Ph.D. Course

### Education

- Oct 2016 – Present      **Ph.D. candidate (Advisor Prof. Pilhan Kim)**  
Graduate School of Nanoscience and Technology  
Korea Advanced Institute of Science and Technology (KAIST), Daejeon,  
Republic of Korea
- Sep 2012 – Feb 2015      **M. S.**  
Department of Dental Science  
Seoul National University, Seoul, Republic of Korea
- Mar 2008 – Feb 2012      **B. S.**  
Biotechnology & Bioinformatics  
Korea University, Sejong, Republic of Korea

### Awards

- 2013, Best Poster Award, Medical Research Center (MRC)
- 2018, Global Ph.D. Fellowship, National Research Foundation of Korea (2018 – Present)
- 2018, Best Poster Award, Korean Organoid Society

### Publications

- 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, Kim I. "DII4 Suppresses Transcytosis for Arterial Blood-Retinal Barrier Homeostasis", *Circulation Research*, 126, 767-783, 2019
- Hong S, **Lee J**, Kim JM, Kim SY, Kim HR, Kim P. "3D cellular visualization of intact mouse tooth using optical clearing without decalcification", *International Journal of Oral Science*, 11, 25, 2019
- Lee J**, Park S, Roh S. "Transdifferentiation of mouse adipose-derived stromal cells into acinar cells of the submandibular gland using a co-culture system", *Experimental Cell Research*, 334, 160-72, 2015
- Lee J**, Park S, Roh S. "Y-27632, a ROCK inhibitor, delays senescence of putative murine salivary gland stem cells in culture", *Archives of Oral Biology*, 60, 875-82, 2015

Kim D, Jo H, **Lee J**, Kim K, Roh S. "Effects of nanoscale ridge/groove pattern arrayed surface on in vitro differentiation of multi-potent pulp cells derived from human supernumerary teeth", *International Journal of Oral Biology*, 38, 161-167, 2013

## **Presentations**

**Lee J**, Hong S, Ahn S, Kim P, "Intravital brain imaging to investigate neuroinflammatory response" **3<sup>rd</sup> KU-KAIST workshop and joint symposium**, Daejeon, Korea, Nov. 2019. (Oral)

**Lee J**, Hong S, Kim P, "Intravital repetitive imaging of cellular dynamics in neurovascular unit (NVU)" **Annual Biophotonics Conference 2019**, Cellular Biophotonics-8, Suwon, Korea, Nov. 2019. (Poster)

**Lee J**, Kim P, "Longitudinal intravital visualization of neurovascular unit (NVU)" **Optics and Photonics Congress 2019**, MP-XI-6, Busan, Korea, Jul. 2019. (Poster)

**Lee J**, Kong E, Moon J, Kim P, "In vivo brain visualization of onset of neuroinflammatory response in chemical-induced neuroinflammation mouse model" **2019 International Conference of Korean Dementia Association**, P-120, Seoul, Korea, Jun. 2019. (Poster)

**Lee J**, Kong E, Moon J, Kim P, "Intravital brain imaging to investigate neuroinflammatory response" **2<sup>nd</sup> KU-KAIST workshop and joint symposium**, Kumamoto, Japan, Jan. 2019. (Oral)

**Lee J**, Kong E, Moon J, Kim P, "In vivo brain visualization of chronic neuroinflammation in chemical-induced neuroinflammation mouse model" **The 1st Annual Meeting of the Korean Organoid Society**, P-19, Seoul, Korea, Nov. 2018. (Poster)

**Lee J**, Kong E, Moon J, Kim P, "In vivo brain visualization of chronic neuroinflammatory response in neuroinflammation mouse model" **Annual Biophotonics Conference 2018**, Cellular Biophotonics-8, Gwangju, Korea, Oct. 2018. (Poster)

**Lee J**, Kong E, Moon J, Kim P, "In vivo visualization of chronic neuroinflammation in chemical-induced mouse model" **2018 Annual Meeting of the Korean Society for Vascular Biology and Medicine & KVBM-IBS Joint Symposium**, P37, Daejeon, Korea, Oct. 2018. (Poster)

**Lee J**, Kong E, Kim P, "In vivo visualization of chronic neuroinflammation in chemical-induced mouse model" **International vascular biology meeting (IVBM) 2018**, Inflammation-T096, Helsinki, Finland, June. 2018. (Poster)

**Lee J**, Kong E, Kim P, "Intravital Brain Imaging of Chemical-induced Neuroinflammation Mouse Model" **Annual Biophotonics Conference '2017**, Tissue Biophotonics-26, Incheon, Korea, Oct. 2017. (Poster)

**Lee J**, Kong E, Kim P, "In vivo imaging of neuroinflammation mouse model in brain vasculature" **The 20th Annual Meeting of the Korean Society for Brain and Neural Science Co-organized by the Korean Society for Neurodegenerative Disease**, p2-101, Seoul, Korea, Aug. 2017 (Poster)

**Lee J**, Kim P, "Intravital imaging of neuroinflammation mouse model in blood brain barrier" **2017 KSMI-FASMI Joint Conference**, p-11, Seoul, Korea, Aug. 2017 (Poster)

**Lee J**, Lee M, Ko K, “Cardiomyocyte-specific reporting system for selection of pure population of cardiomyocytes in cardiac differentiation of human induced pluripotent stem cells”, ***Korean Society for Stem Cell Research***, Seoul, Korea, Aug, 2016. (Poster)

**Lee J**, Roh S, “Direct reprogramming of adipose-derived stromal cells into salivary acinar cells using the co-culture system” ***Korean Society of Embryo Transfer***, Korea, 2014. (Poster)

**Lee J**, Park S, Roh S, “Direct conversion of mouse adipose-derived stromal cells into acinar cells of salivary gland using the co-culture system”, ***Medical Research Center (MRC)***, Daegu, Korea, 2013. (Poster)

**Lee J**, Park S, Roh S, “Conversion of mouse adipose-derived stromal cells into acinar cells of salivary gland using the co-culture system”, ***Korean Society for Stem Cell Research***, Seoul, Korea, 2013. (Poster)

**Lee J**, Park S, Roh S, “Transdifferentiation of mouse adipose-derived stromal cells into presumptive salivary acinar cells by co-culture system”, ***International Society for Stem Cell Research (ISSCR)***, Boston, USA, 2013. (Poster)