

Curriculum Vitae

(Last updated : 2017-11-07)

Inwon Park, M.D. (박인원)

Education

- Mar 2014 – Present **Ph.D. candidate (Advisor Prof. Pilhan Kim)**
Graduate School of Medical Science and Engineering
Korea Advanced Institute of Science and Technology (KAIST), Daejeon,
Republic of Korea
- Mar 2012 – Feb 2014 **M. S.**
Department of Clinical Medical Sciences
Seoul National University College of Medicine, Seoul, Republic of Korea
- Mar 2003 – Feb 2009 **M. D.**
Chonbuk National University College of Medicine, Jeonju, Republic of
Korea

Postgraduate Training

- Mar 2009 – Feb 2010 Internship,
Seoul National University Hospital, Seoul, Korea
- Mar 2010 – Feb 2014 Residency, Department of Emergency Medicine
Seoul National University Hospital, Seoul, Korea

Board Certifications

2015, Emergency Medicine, Korean Board of Emergency Medicine

Awards

- 2017, Health Fellowship, Yuhan Foundation
- 2016, Best Presentation Award, Korean Society of Emergency Medicine (KSEM) Fall Meeting '2016
- 2016, Best Poster Award, VASAMO
- 2015, Global Ph.D. Fellowship, National Research Foundation of Korea (2015 – Present)
- 2013, Best Presentation Award, Korean Society of Emergency Medicine (KSEM) Fall Meeting '2013

Publications

Ogura S, Kurata K, Hattori Y, Takase H, Ishiguo-Oonuma T, Hwang Y, Ahn S, **Park I**, Ikeda W, Kusuvara S, Fukushima Y, Nara H, Sakai H, Fujiwara T, Matsushita J, Ema M, Hirashima M, Minami T, Shibuya

M, Takakura N, Kim P, Miyata T, Ogura Y, Uemura A. "Sustained inflammation after pericyte depletion induces irreversible blood-retina barrier breakdown", *JCI Insight*, 2(3):e90905, 2017.

Kim K, Choe K, **Park I**, Kim P, Park YK, "Holographic intravital microscopy for 2-D and 3-D imaging intact circulating blood cells in microcapillaries of live mice", *Scientific Reports*, 6, 33084, 2016.

Han S, Lee S-J, Kim KE, Lee HS, Oh N, **Park I**, Ko E, Oh SJ, Lee Y-S, Kim D, Lee S, Lee DH, Lee K-H, Chae SY, Lee J-H, Kim S-J, Kim H-C, Kim S, Kim SH, Kim C, Nakaoka Y, He Y, Augustin HG, Hu J, Song PH, Kim Y-I, Kim P, Kim I, Koh GY, "Amelioration of Sepsis by Tie2 Activation-Induced Vascular Protection", *Science Translational Medicine*, 8, 335ra55, 2016.

Park I, Lee JH, Kim K, Jo YH, Kim J, Kim T, Kim, Y, Lee JH, Rhee JE, "Prognostic Significance of Initial Serum Albumin on Mortality in Out-of-hospital Cardiac Arrest", *J Kor Soc Emerg Med*, 24(5) 500-507, 2013.

Patents

1. "Lung window apparatus based on micro-suction for in vivo microscopic imaging of lung tissue and method for obtaining image using the same." Kim P, **Park I**, Kim S. PCT Patent Application PCT/KR2016/009720 (2016) & Rep. of Korea Patent 10-1743283 (2017).

2. "Window apparatus for in vivo microscopic imaging of mammary tissue and method for obtaining image using the same." Kim P, Kim Y, **Park I**, Kim S. PCT Patent Application PCT/KR2016/009719 (2016) & Rep. of Korea Patent 10-1689879 (2016).

3. "Window apparatus and method for in vivo microscopic imaging of pancreatic tissue for obtaining image using the same." Kim P, **Park I**. Rep. of Korea Patent 10-1767339 (2017).

Presentations

Park I, Kim M, Song E, Choe K, Hwang Y, Seo H, Ahn J, Koh G, Kim P, " Capillary Entrapment of Mac-1 Upregulated Neutrophil Disturbs Pulmonary Microcirculation in Sepsis-induced ARDS.," *Annual Biophotonics Conference '2017*, Incheon, Korea, Oct. 2017. (Poster)

Park I, Kim M, Song E, Choe K, Hwang Y, Seo H, Ahn J, Koh G, Kim P, " Capillary Entrapment of Mac-1 Upregulated Neutrophil Disturbs Pulmonary Microcirculation in Sepsis-induced ARDS.," *Korean Society of Emergency Medicine (KSEM) Fall Meeting '2017*, Incheon, Korea, Oct. 2017. (Oral)

Park I, Kim M, Song E, Choe K, Hwang Y, Seo H, Ahn J, Koh G, Kim P, " Capillary Entrapment of Mac-1 Upregulated Neutrophil Disturbs Pulmonary Microcirculation in Sepsis-induced ARDS.," *Annual Meeting of Vascular Science and Medicine Organization (VASAMO) '2017*, Muju, Korea, Aug. 2017. (Poster)

Park I, Choe K, Seo H, Hwang Y, Song E, Ahn J, Kim P, "In Vivo Visualization of Neutrophil Sequestration in Pulmonary Microcirculation in Sepsis-induced ARDS." *Optical Society of Korea (OSK) Summer Meeting '2017*, W1C-VI-6, Busan, Korea, July. 2017. (Oral)

Park I, Choe K, Seo H, Hwang Y, Song E, Ahn J, Kim P, "The Dynamic Behavior and Role of Neutrophil Entrapment in Pulmonary Microcirculation in Murine Sepsis-induced ARDS Model: Real-time Intravital

Microscopy Study," **American Thoracic Society (ATS) International Conference '2016**, B78-P263, Washington D.C., U.S.A., May. 2017. (Poster)

Park I, Choe K, Seo H, Hwang Y, Song E, Ahn J, Kim P, "Visualization of Pulmonary Microcirculation in Murine Sepsis Model: Real-time Intravital Microscopy.," **Annual Biophotonics Conference '2016**, Tissue Biophotonics 46, Daejeon, Korea, Nov. 2016. (Poster)

Park I, Choe K, Hwang Y, Seo H, Song E, Ahn J, Kim P, "Visualization of Pulmonary Microcirculation in Murine Sepsis Model: Real-time Intravital Microscopy.," **Korean Society of Emergency Medicine (KSEM) Fall Meeting '2016**, Incheon, Korea, Oct. 2016. (Selected as **Best Presentation Award**, Oral)

Park I, Choe K, Hwang Y, Seo H, Song E, Ahn J, Kim P, "Intravital Visualization of Pulmonary Microcirculation in Sepsis-induced Acute Respiratory Distress Syndrome by Real-time Laser Scanning Confocal Microscopy.," **Annual Meeting of Vascular Science and Medicine Organization (VASAMO) '2016**, Daejeon, Korea, May. 2016. (Selected as **Best Poster Award**, Poster)

Park I, Choe K, Seo H, Kim P, " Intravital Visualization of Pulmonary Microcirculation by Real-time Laser Scanning Confocal Microscopy," **The 10th Asia Pacific Laser Symposium (APLS) '2016**, THU-P-63, Jeju, Korea, May. 2016. (Poster)

Park I, Choe K, Hwang Y, Seo H, Song E, Ahn J, Ahn S, Kim P, "Identifying Pulmonary Microcirculation of Murine Sepsis Model using Intravital Microscopy," **Critical Care Congress '2016**, 991, Orlando, U.S.A., Feb. 2016. (Research Snapshot Presentation)

Park I, Choe K, Hwang Y, Seo H, Song E, Ahn J, Ahn S, Kim P, "Identifying Pulmonary Endothelial Glycocalyx of Murine Sepsis Model Using *in vivo* Microscopy," **Annual Biophotonics Conference '2015**, Cellular Biophotonics 20, Seoul, Korea, Oct. 2015. (Poster)

Park I, Choe K, Hwang Y, Seo H, Song E, Ahn J, Ahn S, Kim P, "Identifying Pulmonary Endothelial Glycocalyx of Murine Sepsis Model Using *in vivo* Microscopy," **Annual Meeting of Vascular Science & Medicine Organization '2015**, P9, Busan, Korea, Oct. 2015. (Poster)

Park I, Choe K, Hwang Y, Seo H, Song E, Ahn J, Ahn S, Kim P, " Identifying Pulmonary Endothelial Glycocalyx of Murine Sepsis Model Using Intravital Microscopy", **12th Congress of the World Federation of Societies of Intensive and Critical Care (WFSICCM) '2015**, TP-003, Seoul, Korea, Aug. 2015. (Poster)

Park I, Kim P, " Visualization of Pulmonary Microcirculation in Murine Model by Real-time Intravital Confocal Microscopy," **Optical Society of Korea (OSK) Summer Meeting '2015**, T2B-VI4, Gyeongju, Korea, Jul. 2015. (Oral)

Park I, Choe K, Hwang Y, Seo H, Song E, Ahn J, Kim Y, Ahn S, Kim P, "*In vivo* Lung Imaging in Pulmonary Disease Model," **The 20th OptoElectronics and Communications Conference (OECC) '2015**, JThd.32, Shanghai, China, Jun. 2015. (Oral)

Park I, Choe K, Hwang Y, Seo H, Song E, Ahn J, Kim Y, Ahn S, Kim P, "Identifying Pulmonary Endothelial Glycocalyx of Murine Sepsis Model Using *in vivo* Microscopy," **Annual Meeting of Vascular Science & Medicine Organization '2014**, P42, Busan, Korea, Nov. 2014. (Poster)

Park I, Choe K, Ahn J, Seo H, Kim P, "Identifying Pulmonary Microcirculatory Features of Murine Sepsis Model Using *in vivo* Microscopy," **Panpacific Emergency Medicine Congress (PEMC) 2nd '2014**, OE3-5, Daejeon, Korea, Oct. 2014. (Oral)

Park I, Ahn J, Seo H, Kim P, "*In vivo* Lung Imaging in Pulmonary Disease Model," **Optical Society of Korea (OSK) Summer Meeting '2014**, MP-VI7, Jeju, Korea, Jul. 2014. (Poster)

Park I, Lee JH, Kim K, Jo YH, Park CJ, Kim J, Chung H, Lee MJ, Rhee JE, "Effect of Valproic Acid Combined with Therapeutic Hypothermia on Neurological Outcome in Asphyxial Cardiac Arrest Model of rats," ***Korean Society of Emergency Medicine (KSEM) Fall Meeting '2013***, Incheon, Korea, Oct. 2013. (Selected as **Best Presentation Award**, Oral)