

# Curriculum Vitae

**Eunjoo SONG (송은주)**

## Education

- Feb 2012 – Aug 2018      **M.S./Ph.D. (Advisor Prof. Pilhan Kim)**  
Graduate School of Nanoscience and Technology  
Korea Advanced Institute of Science and Technology (KAIST), Daejeon,  
Republic of Korea
- Mar 2008 – Feb 2012      **B. S.**  
Nanomedical Engineering  
Pusan National University, Busan, Republic of Korea

## Employment

- Jan 2018 – Present      **Manager / Senior Engineer**  
IVIM Technology  
Daejeon, Republic of Korea

## Awards

2017, Best Presentation Award, Optical Society of Korea (OSK) Summer Annual Meeting '2017.

## Publications

I Park, Choe K, Seo H, Hwang Y, **Song E**, Ahn, J, Jo Y, Kim P, "Intravital imaging of a pulmonary endothelial surface layer in a murine sepsis model," *Biomedical Optics Express*, 9(5), 2383, 2018.

Ahn S, Choe K, Lee S, Kim K, **Song E**, Seo H, Kim I, Kim P, "Intravital longitudinal wide-area imaging of dynamic bone marrow engraftment and multilineage differentiation through nuclearcytoplasmic labeling," *PLoS ONE*, 12(11), e0187660, 2017.

Kim S, Kim H, Park M, Cho S, Goughnour P, Han D, Yoon I, Kim Y, Kang T, **Song E**, Kim P, Choi H, Mun J, Song C, Lee S, Jung H, Kim S, "Caspase-8 controls the secretion of inflammatory lysyl-tRNA synthetase in exosomes from cancer cell", *The Journal of Cell Biology*, 216(7), 2201, 2017.

**Song E**, Seo H, Choe K, Hwang Y, Ahn J, Ahn S, Kim, P, "Optical Clearing Based Cellular-level 3D Visualization of Intact Lymph Node Cortex", *Biomedical Optics Express*, 6(10), 4154, 2015.

Ahn J, Choe K, Wang T, Hwang Y, **Song E**, Kim KH, Kim P, "In Vivo Longitudinal Cellular Imaging of Small Intestine by Side-view Endomicroscopy", *Biomedical Optics Express*, 6(10), 3963, 2015.

**Song E**, Ahn Y, Ahn J, Ahn S, Kim C, Choi S, Boutilier R, Lee Y, Kim P, Lee H, "Optical clearing assisted confocal microscopy of ex vivo transgenic mouse skin", *Optics & Laser Technology*, 73, 69, 2015.

## **Presentations**

**Song E**, Choe K, Hwang Y, Seo H, Ahn J, Park I, Ahn S, Moon J, Kim P, "*In vivo* Efficacy Monitoring of Anti-cancer Drug Candidates Based on Repetitive Imaging with Dorsal Skinfold Chamber," **Annual Biophotonics Conference '2017**, Tissue Biophotonics-56, Incheon, Korea, Oct. 2017. (Poster)

**Song E**, Choe K, Hwang Y, Seo H, Ahn J, Park I, Ahn S, Moon J, Kim P, "Repetitive visualization of xenograft tumor model for preclinical drug screening," **Optical Society of Korea (OSK) Summer Annual Meeting '2017**, T2C-VI-3, Busan, Korea, Jul. 2017. (Oral)

**Song E**, Ahn J, Choe K, Hwang Y, Seo H, Ahn S, Park I, Kim P, "Repetitive Intravital Imaging of Hair Follicle Based on In Vivo Optical Clearing of Skin," **Optical Society of Korea (OSK) Winter Annual Meeting '2017**, WP-VI-12, Jeongseon, Korea, Feb. 2017. (Poster)

**Song E**, Seo H, Choe K, Hwang Y, Ahn J, Park I, Ahn S, Moon J, Kim P, "Repetitive Visualization of Cancer Xenograft Model for Rapid *in vivo* Screening of Anti-cancer Drug Candidates," **Annual Biophotonics Conference '2016**, Cellular Biophotonics-22, Daejeon, Korea, Nov. 2016. (Poster)

**Song E**, Seo H, Choe K, Hwang Y, Ahn J, Park I, Ahn S, Moon J, Kim P, "*In Vivo* Efficacy Monitoring of Anti-cancer Drug Candidates Based on Repetitive Cellular-level Intravital Imaging," **Korean Society of Medical & Biological Engineering Spring Meeting '2016**, Biomedical Optics-V, Busan, Korea, May 2016. (Oral)

**Song E**, Seo H, Choe K, Hwang Y, Ahn J, Park I, Ahn S, Moon J, Kim P, "Validation of Anti-cancer Drug Candidates Based on Repetitive In Vivo Visualization with Dorsal Skinfold Chamber," **The 10th Asia-Pacific Laser Symposium '2016**, Thu-P-62, Jeju, Korea, May 2016. (Poster)

**Song E**, Seo H, Choe K, Hwang Y, Ahn J, Park I, Ahn S, Kim P, "*In Vivo* Efficacy Monitoring of Anti-cancer Drug Candidate Based on Repetitive Cellular Visualization by Intravital Microscopy," **Annual**

**Biophotonics Conference '2015**, Cellular Biophotonics-16, Seoul, Korea, Oct. 2015. (Poster)

**Song E**, Seo H, Choe K, Hwang Y, Ahn J, Kim P, "Repetitive Visualization of Various Cancer Cell Characteristics," **Optical Society of Korea (OSK) Summer Annual Meeting '2015**, M1B-VI3, Gyeongju, Korea, Jul. 2015. (Oral)

**Song E**, Seo H, Choe K, Hwang Y, Ahn J, Kim P, "Optical Clearing Based 3D Visualization of Cellular Network in Whole Cortex of Intact Lymph Node," **Optical Society of Korea (OSK) Summer Annual Meeting '2014**, WP-VI10, Daejeon, Korea, Aug. 2014. (Poster)

**Song E**, Choe K, Hwang Y, Seo H, Ahn J, Kim P, "Repetitive Visualization of Cancer Cell Characteristics within Subcutaneous Tissues Based on Dorsal Skinfold Chamber," **Korean Society of Medical & Biological Engineering Spring Meeting '2014**, P2-03, Osong, Korea, May 2014. (Poster)

**Song E**, Seo H, Choe K, Hwang Y, Ahn J, Kim P, "Optical Clearing Based 3D Visualization of Cellular Network in Whole Cortex of Intact Lymph Node," **SPIE Photonics West BiOS '2014**, 8947-29, San Francisco, USA, Feb. 2014. (Oral)

**Song E**, Seo H, Choe K, Hwang Y, Ahn J, Kim P, "Enhanced Visualization of Cellular Structure of Intact Lymph Node Based on Optical Clearing and High-resolution Confocal Microscope," **Korean Society of Medical & Biological Engineering Spring Meeting '2013**, P21, Incheon, Korea, Nov. 2013. (Poster)

**Song E**, Seo H, Choe K, Hwang Y, Ahn J, Kim P, "Enhanced Imaging Depth of Lymph Node with Confocal Microscope in Assistance of Optical Clearing Techniques", **Conference on Institute of Control, Robotics and Systems (ICROS) '2013**, TP05-3, Changwon, May 2013. (Oral)

**Song E**, Seo H, Choe K, Hwang Y, Ahn J, Kim P, "Enhanced 3D Visualization of Lymph Node by Optical Clearing," **Korean Association of Immunologists Spring Meeting '2013**, P-117, Chuncheon, Korea, Apr. 2013. (Poster)

**Song E**, Seo H, Choe K, Hwang Y, Ahn J, Kim P, "Imaging Depth Enhancement of Lymph Node with Various Optical Clearing Agents," **Optical Society of Korea (OSK) Winter Annual Meeting '2013**, WP-VI10, Daejeon, Korea, Feb. 2013. (Poster)