Curriculum Vitae
(Last updated : 2020-04-12)

Eunji Kong (공은지)

Education

Sep 2016 – present
M.S./Ph.D. candidate (Advisor Prof. Pilhan Kim)
Graduate School of Nanoscience and Technology
Graduate School of Medical Science and Engineering
Korea Advanced Institute of Science and Technology (KAIST), Daejeon,
Republic of Korea

Feb 2012 – Sep 2016
B. S.
Department of Biological Sciences
Korea Advanced Institute of Science and Technology (KAIST), Deajeon,
Republic of Korea

Awards

2016, Encouragement Award in KAIST 2016 URP workshop

2016, Young Investigator Best Research Award in Annual Biophotonics Conference 2016

2016, Best Paper Award in International Biomedical Engineering Conference 2016

2019, Travel Grant Award in MPFI Neuroimaging Course2019

2019, Poster Award in Korean Society of Vascular Biology and Medicine Annual Meeting

Professional Experience

Aug 2016 – present
Student intern (Advisor Dr. Doyun Lee)
Research Training Program (https://doyunleelab.com)
Center for Cognition and Sociality (Director Hee-Sup Shin)
Institute for Basic Science (IBS), Daejeon, Republic of Korea

Feb 2019 – Mar 2019
Neuroimaging Techniques Winter 2019 (Advisor Prof. Yi Zuo)
MaxPlanck Florida Institute for Neuroscience (MFPI), Jupiter, USA

June 2018 – July 2018
2018 Innovation Workshop (Advisor Prof. Kristian Mølhave)
KAIST-DTU-NTU-UQ Joint Program
Technical University of Denmark (DTU), Copenhagen, Denmark

Publications

Ahn J*, **Kong E***, Choe K, Song E, Hwang Y, Seo H, Park I, Kim P, "*In vivo* Longitudinal Depth-wise Visualization of Tumorigenesis by Needle-shaped Side-view Confocal Endomicroscopy", ***Biomedical Optics Express***, 10(6), 2719-2729, 2019. (* co-first authors)

Kim Y, Hwang K, Ahn J, Seo Y, Kim J, Lee S, Yoon J, **Kong E**, Jeong Y, Jon S, Kim P, Jeong K, "Lissajous Scanning Two-photon Endomicroscope for *In vivo* Tissue Imaging", ***Scientific Reports***, 9, 3560, 2019.

Patents

Kim P (representative inventor), **Kong E**, Ahn J, "SYSTEM FOR IN VIVO MICROSCOPIC IMAGING OF DEEP TISSUE, AND MICROSCOPIC IMAGING METHOD", PCT/KR2019/013128, Oct. 2019.

Kim P (representative inventor), **Kong E**, Ahn J, "Apparatus and Methods for In Vivo Wide-area Cellular-level Imaging of Biological Deep Tissue", KR-10-2018-0123869, Oct. 2018.

Kim Y (representative inventor), **Kong E**, Hyun J, Lee J, Jeon S, Kim H, "System for Tuberculosis Diagnosis", KR-10-2016-0070908, June. 2016.

Presentations

Kong E, Hong S, Ahn J, Kim P, "In vivo longitudinal deep tissue depth-wise imaging by side-view confocal endomicroscopy", ***Focus on Microscopy 2020***, Osaka, Japan, April. 2020 (Online)

Kong E, Lee E, Chon H, Kim I, Kim P, "In vivo deep tissue endomicroscopic imaging system for visualizing cellular and vascular dynamics of glioblastoma", ***Korean Society of Vascular Biology and Medicine(KVBM) Annual Meeting***, Daegu, Korea, Oct. 2019 (Poster)

Kong E, Ahn J, Lee D, Kim P, "In vivo cellular-level deep tissue imaging based on side-view confocal endomicroscopy", ***OSK-OSA-OSJ Joint Symposia 2019***, Busan, Korea, July. 2019 (Oral)

Kong E, Ahn J, Ahn S, Lee D, Kim P, "In Vivo Volumetric Deep Tissue Imaging Based on Rotatory Side-view Endomicroscope", ***Annual Biophotonics Conference (ABC) 2018***, Gwangju, Korea, Oct. 2018 (Poster)

Kong E, Ahn J, Ahn S, Lee D, Kim P, "In Vivo Volumetric Deep Tissue Imaging Based on Rotatory Side-view Endomicroscope", ***Annual Meeting of the Korean Society for Vascular Biology and Mecdicine (KVBM) 2018***, Daejeon, Korea, Oct. 2018 (Poster)

Kong E, Ahn J, Ahn S, Lee D, Kim P, "In Vivo Wide-area Visualization of Mammalian Deep Brain Tissue by Rotatory Side-view Endomicroscope", ***A3 Foresight 10th Meeting***, Beijing, China, Apr. 2018 (Oral)

Kong E, Ahn J, Ahn S, Lee D, Kim P, "In Vivo Wide-area Visualization of Mammalian Deep Brain Tissue by Side-view Confocal Endomicroscope", ***Annual Biophotonics Conference (ABC) 2017***, Songdo, Korea, Oct. 2017 (Poster)

Kong E, Ahn J, Ahn S, Lee D, Kim P, "Intravital Wide-area Imaging of Mammalian Deep Brain Tissue by Side-view Confocal Endomicroscope", ***A3 Foresight 9th Meeting,*** Yokohama, Japan, Sep.2017 (Oral)

Kong E, Ahn J, Lee D, Kim P, "Intravital Wide-area Imaging of Mammalian Deep Brain Tissue by Side-view Confocal Endomicroscope", ***Korea Society for Brain and Neuroscience 2017 (20th annual meeting)***, Seoul, Korea, Aug. 2017 (Poster)

Kong E, Ahn J, Ahn S, Kim P, "Intravital Wide-area Imaging of Mammalian Deep Brain Tissue by Needle-shaped Side-view Endomicroscope", ***OSK summer meeting***, Busan, Korea, July. 2017 (Oral)

Kong E, Ahn J, Kim P, "Intravital Wide-area Imaging of Mammalian Deep Brain Tissue by Needle-shaped Side-view Confocal Endomicroscope", ***SPIE NBSIS 2017***, Jeju, Korea, Feb. 2017 (Poster)

Kong E, Ahn J, Ahn S, Kim P, "Intravital Microscopy Based Deep Brain Imaging by Side-view Endomicroscope", ***International Biomedical Engineering Conference (IBEC) 2016***, Seoul, Korea, Nov. 2016 (Oral)

Kong E, Ahn J, Ahn S, Kim P, "Intravital confocal microscopy based deep brain imaging by CLARITY tissue clearing technique and side-view endomicroscopy", ***Annual Biophotonics Conference (ABC) 2016***, Daejeon, Korea, Nov. 2016 (Oral)

Kong E, Ahn J, Ahn S, Kim P, "Intravital confocal microscopy based deep brain imaging by CLARITY tissue clearing technique and side-view endomicroscopy", ***KAIST 2016 Undergraduate Research Program Workshop***, Daejeon, Korea, Aug. 2016 (Oral)