10:00 - 11:00
C2P-13: MPA: Photoacoustic System & Transducer Development
Room: Transit Zone
Session Chair(s): Parag Chitnis, George Mason University

2044: Research on Efficiency Optimization and Circuit Protection for LED-Based Photoacoustic Computed Tomography Systems
Xing Wang{3}, Xinyu Lu{1}, Enxiang Shen{1}, Zhendong Yao{3}, Xiao Yin{3}, Hao Luo{2}, Yuxin Wang{1}, Jie Yuan{1}
{1}Nanjing University, China; {2}Ningbo No.2 Hospital, China; {3}Yixing People's Hospital, China

2357: Enhanced Photoacoustic Imaging Using Verasonics Vantage NXT® System
Sowmiya Chandramoorthi{2}, Bryan Cunitz{2}, Ron Daigle{2}, Kalloor Joseph Francis{1}, Gijs van Soest{1}
{1}Erasmus University Medical Center, Netherlands; {2}Verasonics Inc, United States

2440: A New Single Detector 3D PAT: Preliminary Results
Irene Pi-Martín{2}, Alejandro Cebrecos{2}, Víctor Company-Rubio{2}, Juan José García-Garrigós{2}, Noé Jiménez{1}
{1}Institute of Instrumentation for Molecular Imaging, Polytechnic University of Valencia-CSIC, Spain; {2}Instituto de Instrumentación para Imagen Molecular, Universitat Politècnica de València-CSIC, Spain

2773: An Ultraviolet-Transparent Ultrasound Transducer for Label-Free High-Resolution Photoacoustic Histological Imaging
Donggyu Kim{2}, Eunwoo Park{2}, Jeongwoo Park{2}, Sora Jeon{1}, Joongho Ahn{2}, Mingyu Ha{2}, Hyung Ham Kim{2}, Jin Young Kim{2}, Chan Kwon Jung{1}, Chulhong Kim{2}
{1}Catholic University of Korea, Korea; {2}Pohang University of Science and Technology, Korea

2820: Simulating Low-Cost Photoacoustic System Performance for Deep-Tissue Imaging
Mridul Verma{1}, Mahaan Mitra{2}, Sri-Rajasekhar Kothapalli{2}, Renu John{1}
{1}Indian Institute of Technology Hyderabad, India; {2}Pennsylvania State University, United States

2929: 2D Spiral Array with Defocusing Lenses for 3D Optoacoustics
Marc Fournelle, Christian Degel, Wolfgang Bost, Steffen Tretbar
Fraunhofer Institute for Biomedical Engineering IBMT, Germany

10:00 - 11:00
C2P-14: MSR: Unveiling Organs & Diseases
Room: Transit Zone
Session Chair(s): Matthieu Toulemonde, Imperial

2234: Super-Resolution Ultrasound Localization Microscopy via Brownian Bridge Diffusion Model for Liver Fibrosis Assessment
Yue Zhang, Zilong Wang, Xinli Kong, Yinghong Luo, Xuanhe Zhang, Mian Chen, Siping Chen, Yuanyuan Shen, Haoming Lin, Xin Chen
Shenzhen University, China