

Acoustofluidics

Acoustics Today, Vol. 19, Iss. 2, pgs. 36-44

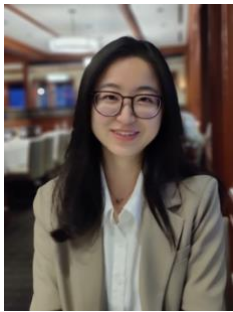


Kha Nguyen

khn016@ucsd.edu

*Medically Advanced Devices Laboratory
Department of Mechanical and Aerospace Engineering
University of California, San Diego
9500 Gilman Drive
La Jolla, California 92093, USA*

Kha Nguyen received her BS in bioengineering from the University of California, San Diego, La Jolla. She is currently a PhD student at the same institution, working at the Medically Advanced Devices Laboratory with James Friend. Her research focuses on devices that employ acoustofluidics for a variety of applications, especially in addressing unmet clinical needs. In her free time, she loves to explore chess puzzles and learn more about hedgehogs.



Lei Zhang

lez003@ucsd.edu

*Department of Mechanical and Aerospace Engineering
University of California, San Diego
9500 Gilman Drive
La Jolla, California 92093, USA*

Lei Zhang is a graduate student in the Medically Advanced Devices Laboratory, Department of Mechanical and Aerospace Engineering, University of California, San Diego, La Jolla, with research interests in acoustofluidics, point-of-care testing, and clinical ultrasound applications. She graduated from Nanjing University, Nanjing, China, with a BS in biomedical engineering in 2021. During her undergraduate study, she explored the field of nanotechnology and materials for medical applications, including efficient self-assembling nanocomposite platforms for cancer photothermal therapy and imaging, medical devices based on superparamagnetic nanoparticles for circulating tumor cells (CTCs) diagnosis, and stretchable bioelectronics for skin sensors based on liquid metal. She loves playing badminton, board games, and hiking with friends.



James Friend

jfriend@ucsd.edu

*Medically Advanced Devices Laboratory
Department of Mechanical and Aerospace Engineering
Jacobs School of Engineering and
Department of Surgery
School of Medicine*

*University of California, San Diego
9500 Gilman Drive
La Jolla, California 92093, USA*

James Friend leads the Medically Advanced Devices Laboratory as the Stanford S. and Beverly P. Penner Endowed Chair in Engineering and as a professor at the University of California, San Diego, La Jolla. His research interests are principally in exploring and exploiting acoustic phenomena at small scales, mainly for biomedical applications. He worked as a faculty member in the United States, Japan, and Australia over a period of 16 years before returning to the United States in late 2014. He is a fellow of the IEEE and the Royal Society of Chemistry and enjoys organizing sessions and short courses on acoustofluidics for the Acoustical Society of America.