



International Symposium on Microfluidics for Sensing and Single Cell Sequencing (ISM3S)

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Li Cui

**Single-cell Raman spectroscopy sensing
antibiotic resistance, pathogens, and beneficial
microbes in environments**

Dr. Li Cui is currently a Professor at the Institute of Urban Environment, Chinese Academy of Sciences.

She obtained National Science Foundation for outstanding young people in 2019. Dr. Cui's main research interests are the development of single-cell Raman spectroscopy techniques for investigating environmental microorganisms, including antibiotic resistant bacteria, functional bacteria driving C N P biogeochemical cycling, and plastsphere.

She has published more than 70 papers in journals including Nat Food, PNAS, PNAS nexus, Angew Chem, Environ. Sci. Technol., Anal. Chem etc. She was a visiting scholar of Oxford University, Lancaster University and Bern University.

She is now serving as the editor of mSystems, an international journal from American Society for Microbiology.