



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

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Anderson Ho Cheung

**Droplets for single-cell-based interactions and
sequence-specific properties**

Prof. Anderson Ho Cheung SHUM received his B.S.E. degree, summa cum laude, in Chemical Engineering from Princeton University, S.M. and Ph.D. in Applied Physics from Harvard University.

He is currently a Professor (Tenured) in the Department of Mechanical Engineering and Associate Vice-President (Research and Innovation) at the University of Hong Kong (HKU). He also serves as the Founding Director of the Advanced Biomedical Instrumentation Centre (since 2021).

His research interests include aqueous two-phase systems, emulsions, biomicrofluidics, biomedical engineering, and soft matter. Prof. Shum was selected as Fellows of the International Association of Advanced Materials (FIAAM, 2023), Hong Kong Institution of Engineers (FHKIE, 2023), Croucher Senior Research (2020), Royal Society of Chemistry (FRSC, 2017), and as President (since 2021) and Founding Member (since 2018) of Hong Kong Young Academy of Sciences.

He currently serves as Editorial Board Member for Microsystems and Nanoengineering (Springer Nature), Scientific Reports (Springer Nature), and Colloids and Interfaces by MDPI AG, as well as Editorial Advisory Board Member for Lab-on-a-Chip (RSC) and Associate Editor for Biomicrofluidics (American Institute of Physics).