

第293回化学コロキウム

日時： 2018年12月14日(金) 16:20~17:50

場所： 11号館103号室

講師： Prof. Amy Shen (Okinawa Institute of Science and Technology Graduate University, OIST)

題目： Novel nano- and microfabrication techniques for micro/nanofluidics and biosensing applications

要旨： Micro/nanofluidics has emerged in recent years as a powerful method of manipulating fluids at small length-scales. To highlight their versatility and great potentials, I present 3 micro/nanofluidic platforms with applications in enhanced micromixing, nanofluidic immunoassay, and localized surface plasmon resonance (LSPR) sensing: (a) Enhanced micro-mixing, (b) Making waves in a total capture nanofluidic immunoassay, (c) Localized surface plasmon resonance (LSPR).

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