

Formation of nanodroplets in ternary liquid mixtures

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言語 / 英語 Language / English

Date & Time

Thursday

December **27**, 2018

10:30 - 11:30

Venue

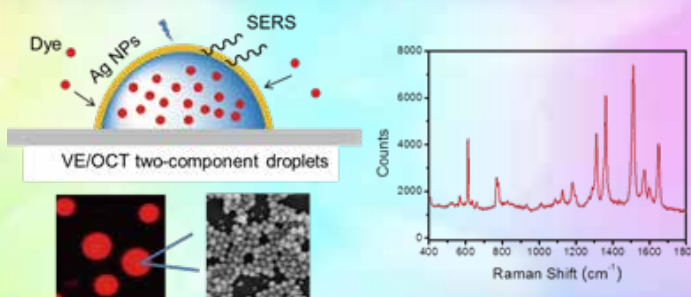
東京農工大学 小金井キャンパス
6号館 501号室

Room 501, Building 6,
Koganei Campus TUAT



どなたでも、ご聴講いただけます。
Everyone is welcome to attend.

Heterogeneous nucleation and growth of droplets on surfaces under different flow conditions has recently advanced to a quantitative level. This talk will give an overview of our latest contributions to the formation and properties of surface droplets by solvent exchange and to point out the potential applications of surface nanodroplets in highly sensitive chemical analysis. We will present a universal femtoliter surface droplet-based platform for direct quantification of trace of hydrophobic compounds in aqueous solutions. In-situ quantification of the extracted analytes is achieved by surface-enhanced Raman scattering (SERS) spectroscopy by nanoparticles on the functionalized droplets.



主催 / Organized by

グローバルイノベーション研究院 ライフサイエンス分野 三沢研究チーム
Institute of Global Innovation Research "Life Science" Misawa Team

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