

HIBARA LAB.

[Micro/Nano Analytical Chemistry]

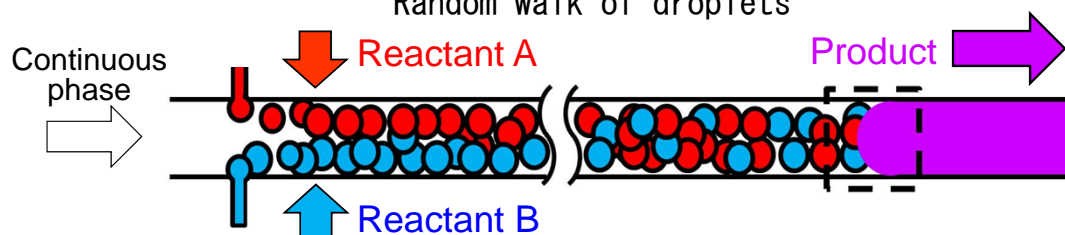
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Micro Analytical Systems

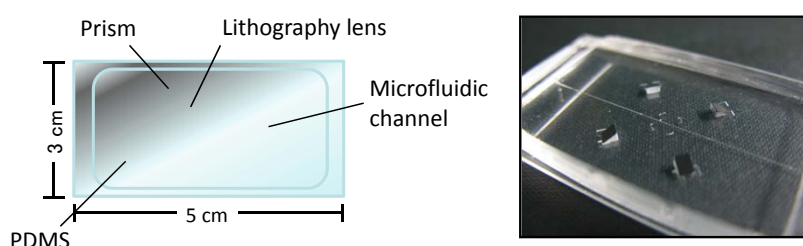
Department of Applied Chemistry
Graduate School of Engineering

Miniaturized Analytical Systems

- ◆ Micro Droplet reactor
 - Fast mixing (mixing length \approx droplet diameter)
 - Isothermal emulsion conversion (w/o \rightarrow o/w)
 - Random walk of droplets



- ◆ Integrated Optics
 - Integration of laser spectroscopies
 - Microfluidic channel with optical components
 - Photothermal spectroscopy



- ◆ Spectroscopy for Liquid Interface
 - Simple heterodyne optics for interfaces
 - Ionic liquid surface

