

HIBARA LAB.

[Chemistry in Micro/Nano Systems]

Department of Materials and Environmental Science

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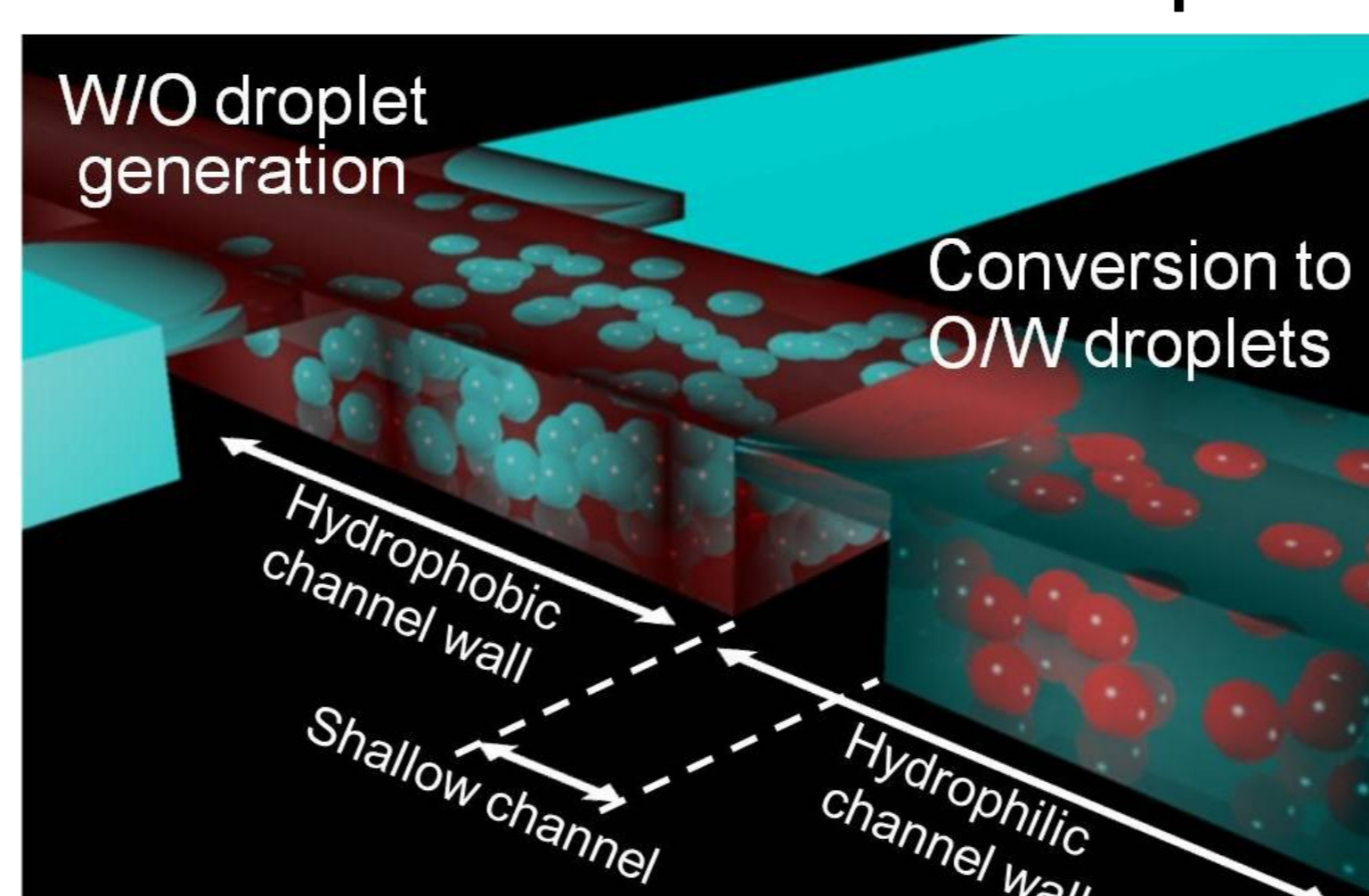
Micro Analytical Systems

Department of
Applied Chemistry

Miniaturized Analytical Systems

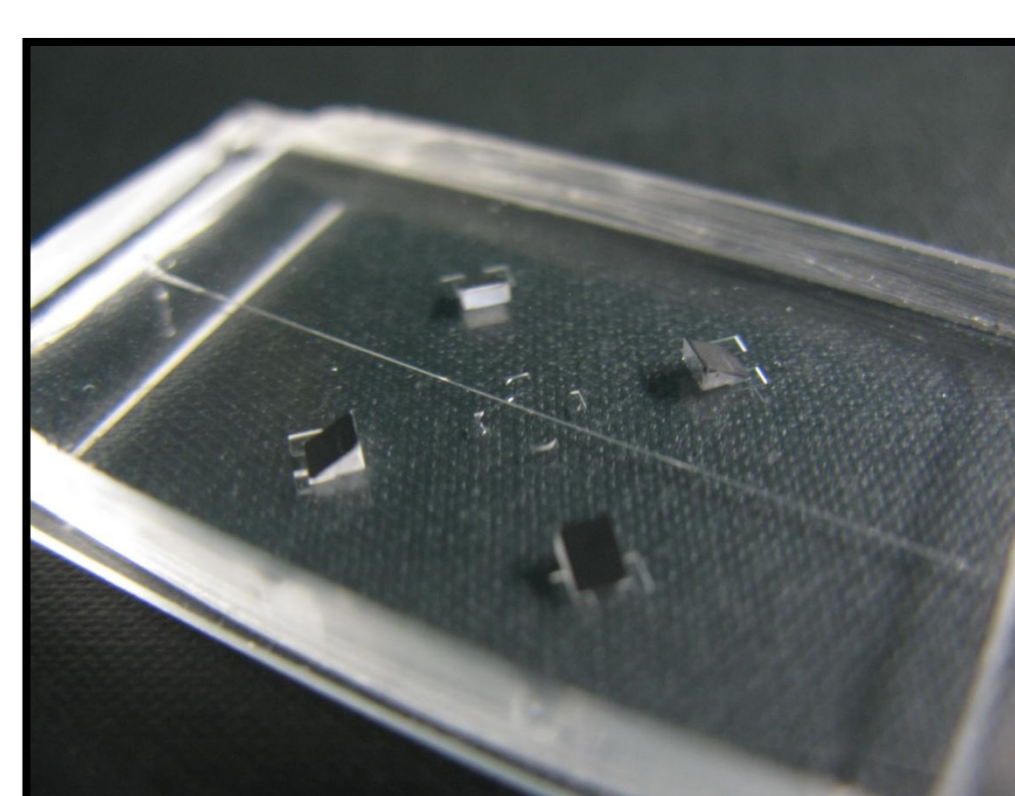
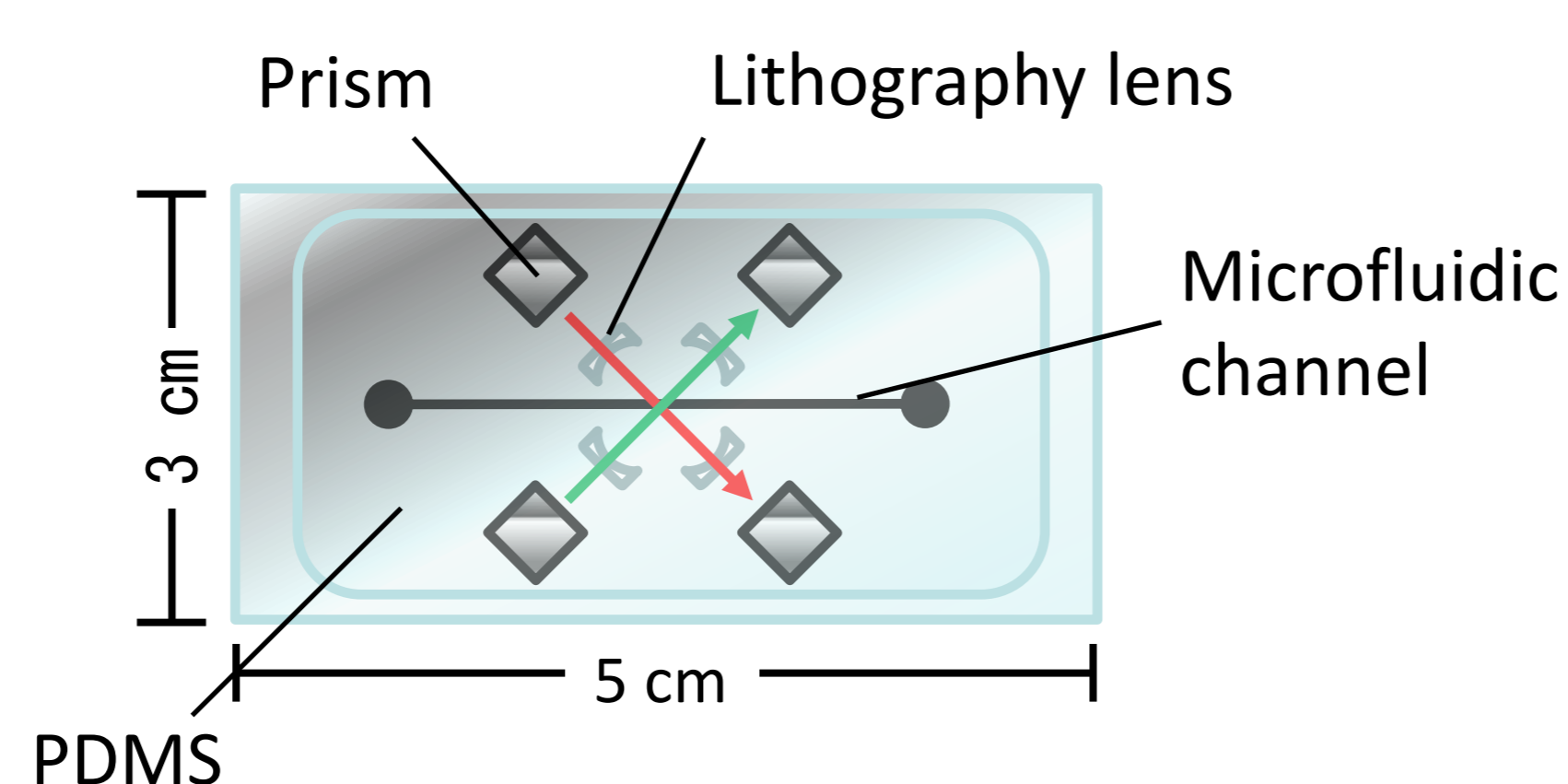
◆ Micro Droplet reactor

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

