

Seminar

Thursday 11 August 2011

11.00 am - Room 531

Professor Christopher Abell

Department of Chemistry, University of Cambridge

Combined BIC/Chemistry Department Seminar

Microdroplets - an emerging platform for experimental science

Microdroplets are water droplets, typically 10-30 microns in diameter generated in PDMS devices and manipulated in a perfluorinated oil carrier phase. The talk will describe the fabrication of various devices and their use in a range of experiments including: cell-based assays, enzyme kinetics, PCR and IVTT. Recent progress in analysing droplet content by mass spectrometry will be outlined.