

Drop Formation in Microfluidic Devices

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Microfluidic devices provide a very convenient means of studying the mechanisms of drop formation in flowing fluids. This talk will describe methods for the formation of droplets in co-flowing fluids, and the use of these techniques to form multiple emulsions. Several different geometries will be described, formed both with stamped microfluidic devices made with soft lithography and with microfluidic devices made with co-axial capillary tubes.