Abstract Submitted for the MAR12 Meeting of The American Physical Society

Electro-coflow as a route to drop generation JOSEFA GUERRERO, ALBERTO FERNANDEZ-NIEVES, VENKATA R. GUNDABALA, Georgia Tech — We couple electric and hydrodynamic forces in glass-based microfluidic devices to generate droplets in steady state. The size of the drops can be larger, comprable and smaller than the tip diameter, which is the smalles geometric feature of the device.

Alberto Fernandez-Nieves Georgia Tech

Date submitted: 29 Dec 2011 Electronic form version 1.4