



Announcing the **77th** New England Complex Fluids Workshop Friday, November 30, 2018 at Harvard University

AGENDA

8:00–8:55 a.m. **Breakfast and Registration**, Maxwell-Dworkin, Ground Floor Lobby

Morning Presentations, Maxwell-Dworkin, Room G115

9:00–9:30 a.m. **Sound Bites Session I** (*early bird)

Perry Ellis*, Harvard University

"Identifying pathogenic bacteria by phenotyping individual cells"

Bobby Tyrell Haney*, Florida A&M University

"Stable pickering emulsions using amphiphilic microgel particles via microfluidics"

Maria Torres Arango, Brookhaven National Laboratory

"Understanding nano-scale dynamics in nano-composite inks during 3D printing processes"

Yujun Feng, Sichuan University

"Smart viscoelastic soft materials for enhancing oil recovery"

Sam Dillavou*, Harvard University

"Virtual frame technique: Ultrafast imaging with any camera"

Ryan McKeown*, Harvard University

"From rings to smoke: Visualizing the breakdown of colliding vortex rings"

Lisa Lee, Harvard University

"Growing and healing of air-liquid biofilms"

Zhaoyu Xie, Tufts University

"Exploiting percolation transition in Thomson problem"

Khoi Nguyen, Yale University

"Fluid-to-solid transition in muscles"

Edward Guzman*, University of Colorado at Boulder

"Nano-phase segregating groups in bent-core SmAP mesogens"

Pedro Saenz, Massachusetts of Technology

"Spin lattices of walking droplets"

Ryan Garry, Harvard University

"High-throughput hydro-gel encapsulated cell sorting using Traveling Surface Acoustic Waves (TSAW)"

Weiyue Xin*, University of Massachusetts at Amherst

"The impact of curvature on solid domains in multicomponent phospholipid vesicles"

9:30–10:00 a.m. **Nick J. Carroll**, University of New Mexico

"Programming assemblies of phase-separated polypeptide liquids"

10:00–10:30 a.m. **Ho Cheung [Anderson] Shum**, Hong Kong University

"Assembly at aqueous-aqueous interfaces"