Are you interested in…?

Experimental Soft Condensed Matter Group

Biophysics: Understanding cells one component at a time
- Flow in porous Media
- Fracture dynamics
- Acoustics

Applications from bioengineering to geophysics

Biology one drop at a time
- Encapsulate cells in droplets for high-speed, miniaturized cell studies
- Study immune cells
- Droplet-encapsulated cells self-assemble into a spherical epithelium

Applications from diagnostics to drug discovery

Microfluidic Materials:
Making materials one particle at a time
- Microencapsulation and controlled release
- New materials production

Applications from food to cosmetics to drug delivery

Porous Media: Multiphase flow one fluid at a time
- Flow in porous Media
- Fracture dynamics
- Acoustics

Applications from modeling materials to new materials

Colloids: materials science one atom at a time
- Crystals, glasses, gels
- Phase transitions
- Solid mechanics
- Materials science

Applications from modeling materials to new materials

Weitz Group
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