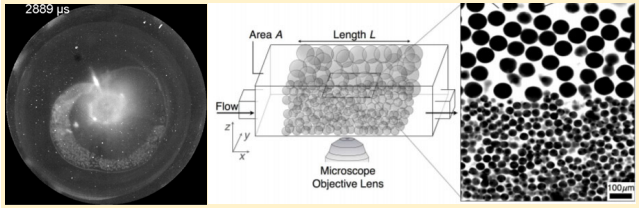
Are you interested in…?

Porous Media : Multiphase flow one fluid at a time

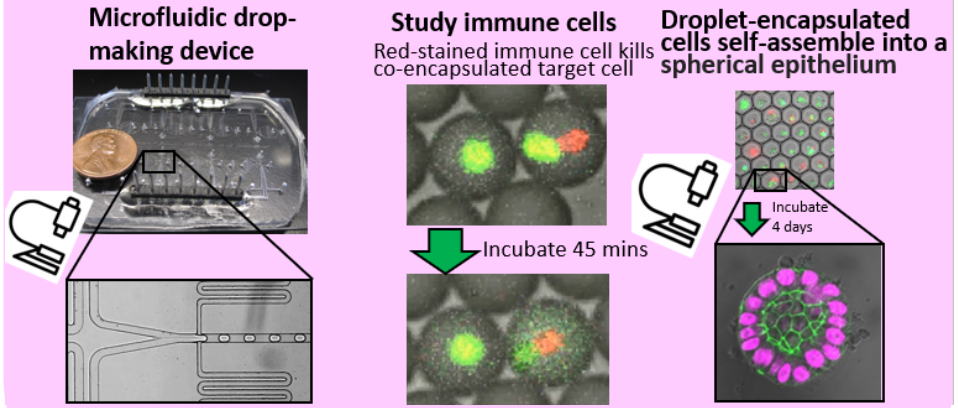
- Flow in porous Media
- Fracture dynamics
- Acoustics



Applications from bioengineering to geophysics

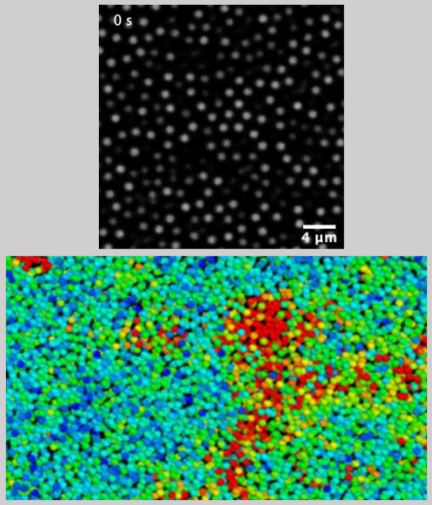
Biology one drop at a time

Encapsulate cells in droplets for high-speed, miniaturized cell studies



Applications from diagnostics to drug discovery

Colloids: materials science one atom at a time

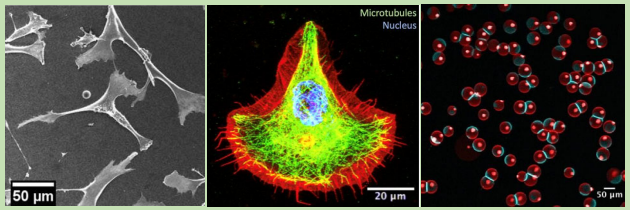


- Crystals, glasses, gels
- Phase transitions
- Solid mechanics
- Materials science

Applications from modeling materials to new materials

Experimental Soft Condensed Matter Group

Biophysics: Understanding cells one component at a time

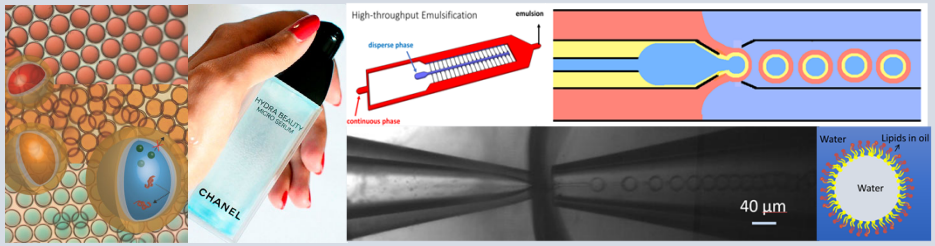


Cell-substrate interaction | Cell mechanics | Reconstituted cell membranes

Applications from wound healing to diagnostics

Microfluidic Materials: Making materials one particle at a time

- Microencapsulation and controlled release
- New materials production



Applications from food to cosmetics to drug delivery

Experimental Soft Condensed Matter
Weitz Lab

weitzlab.seas.harvard.edu