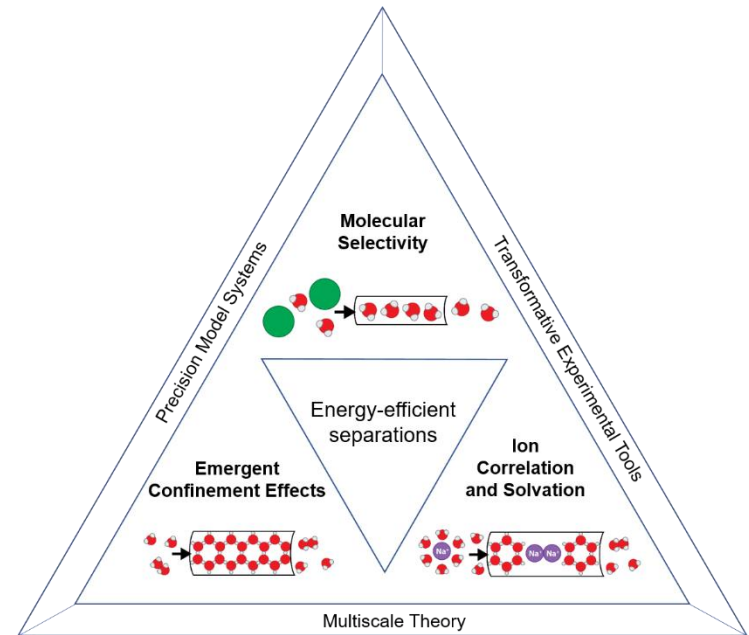


The Center for Enhanced Nanofluidic Transport (CENT)

Michael Strano (MIT); Class: 2018-2022

MISSION: To address emerging and compelling gaps in our knowledge of fluid flow and molecular transport in single digit nanopores and establish the scientific foundation for developing transformative molecular separation technologies impacting the Water-Energy Nexus.



<https://cent.mit.edu/>

RESEARCH PLAN

CENT will apply precision model systems, transformative experimental tools, and predictive multiscale theories to understand fluid flow and molecular transport in single-digit nanopores, to identify conditions for enhanced flow at extreme confinement, to unravel structure of solid/liquid interfaces, and to design new mechanisms that deliver unprecedented molecular selectivity.