

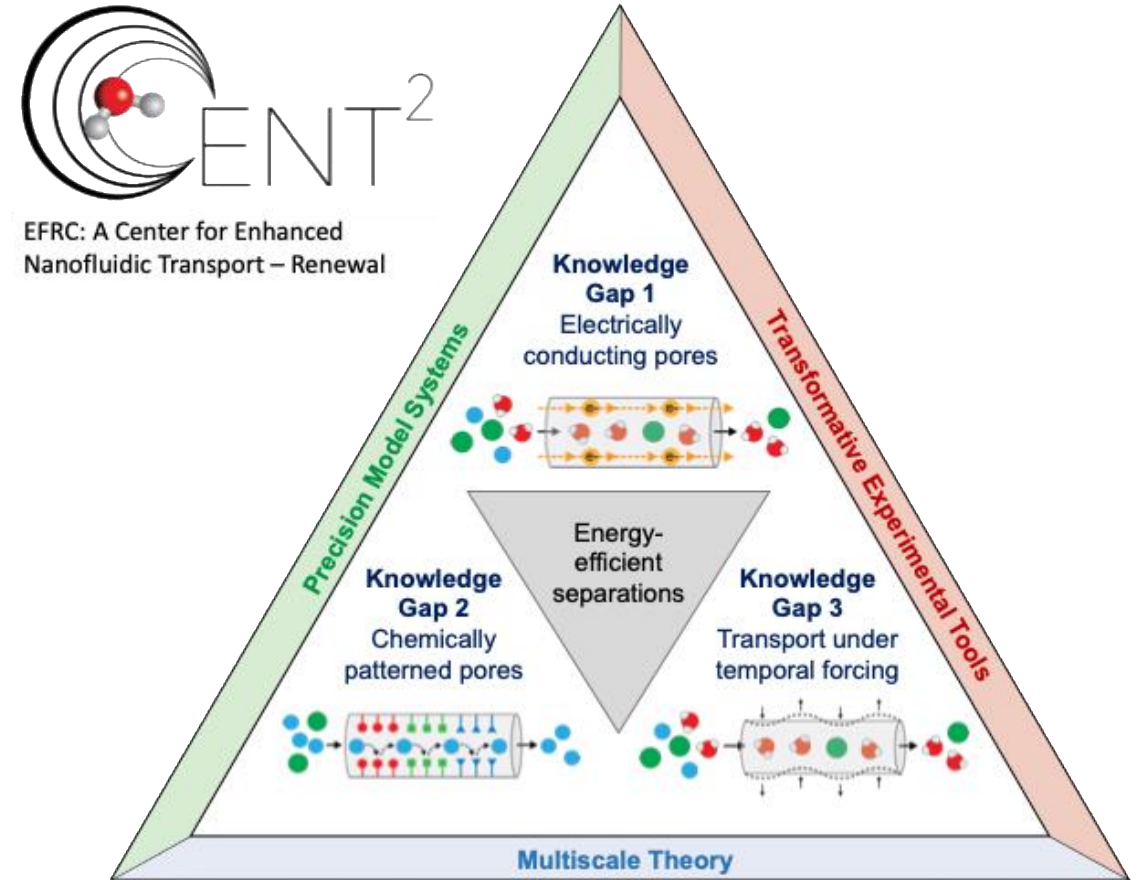
Center for Enhanced Nanofluidic Transport – Phase 2 (CENT²)

Michael S. Strano (Massachusetts Institute of Technology); Class: 2018-2026

MISSION: To address critical knowledge gaps in our understanding of fluidic flow and molecular transport in single-digit nanopores. CENT² will establish the scientific foundation for transformative molecular separation technologies impacting the water-energy nexus.

RESEARCH PLAN: CENT² will apply precision model systems, transformative experimental tools, and predictive multiscale theories to understand fluid flow and molecular transport in single-digit nanopores. These insights will allow us to identify conditions for enhanced flow under extreme confinement, to unravel structure of solid/liquid interfaces, and to uncover new mechanisms that deliver unprecedented molecular selectivity.

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



EFRC: A Center for Enhanced Nanofluidic Transport – Renewal

