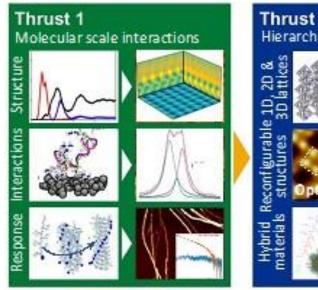
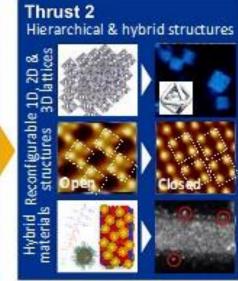
Center for the Science of Synthesis Across Scales (CSSAS) François Baneyx (University of Washington); Class: 2018-2026

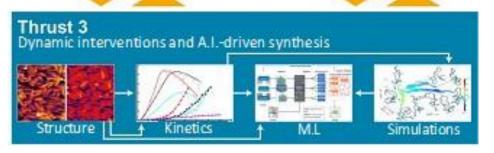
MISSION: To harness the complex functionality of hierarchical materials by mastering the design of high-information-content macromolecular building blocks that predictively self-assemble into responsive, reconfigurable, self-healing materials, and direct the formation and organization of inorganic components for complex energy functions.

RESEARCH PLAN

CSSAS will predict how the chemistry and sequence of inorganic, polymer and protein building blocks gives rise to ordered templates; master free energy landscapes to control the assembly of these templates into hierarchical and hybrid materials; and access new states of matter through the integration of data science, in situ characterization, and simulations.







https://www.cssas-efrc.com













