Daniel Anderson
nano-based drugs, personalized medicine, cancer immunology

Robert Armstrong
polymers, rheology, transport phenomena, applied math

Paul Barton
dynamic modeling, simulation & optimization, systems

Martin Bazant
transport, systems, microfluidics, applied math, electrokinetcs

Daniel Blankschtein
colloid & interface science, thermodynamics, statistical mechanics

Richard Braatz
systems & controls, materials, systems nanotech, applied math

Fikile Brushett
electrochemical energy conversion & storage, microfluidics

Arup Chakraborty
immunology, regulation of transcription, statistical mechanics

Kwanghun Chung
neuroscience, medical imaging, brain mapping, polymer science

Connor Coley
autonomous discovery, machine learning, molecular design

Clark Colton
biomedical engineering, biochem engineering, mass transfer

Brandon DeKosky
biotechnology, vaccines, molecular immunology, antibodies, t cells

Patrick Doyle
microfluidics, complex fluids, polymer physics, rheology & transport

Ariel Furst
bioelectrochemistry, clinical diagnostics, biotechnology

Kate E. Galloway
synthetic biology, systems biology, genetic control systems

William Green
chemical kinetics, molecular simulation, free radical reactions

Paula Hammond
macromolecular design & synthesis, nanoscale assembly, drug delivery

T. Alan Hatton
transport phenomena, separation processes, microemulsions, colloids

Klavs Jensen
materials synthesis & processing, microsystems

Jesse Kroll
atmospheric chemistry, particulate matter, chemical kinetics
These are just a few of our faculty’s research interests; for more information, go to cheme.mit.edu.