



The Department of Chemical and Biomolecular Engineering at the **University of Illinois Urbana-Champaign** offers engaged research advisors, supportive peers, full access to cutting-edge facilities and world-class research institutes, cultural and resource centers, and much more. Join Illinois' bright future and our legacy that includes 5,000+ alumni who still call our department home. Discover more at [chbe.illinois.edu](http://chbe.illinois.edu) or [go.chbe.illinois.edu/youtube](http://go.chbe.illinois.edu/youtube).

**That's the Power of I.**

### Chemical and Biomolecular Engineering Faculty at the University of Illinois

**Rohit Bhargava**

Biomedical image processing

**Qian Chen**

Soft matter and nanoscience, electron microscopy

**Ying Diao**

Interfacial phenomenon, molecular assembly for energy and healthcare

**Christopher M. Evans**

Polymer science, macromolecular networks and dynamics

**David W. Flaherty**

Catalysis, surface science, and materials synthesis

**Joachim K. Floess**

Specialized teaching faculty

**Damien S. Guironnet**

Polymer synthesis, organometallic chemistry and catalysis

**William S. Hammack**

Public outreach and engineering literacy

**Brendan A. Harley**

Biomaterials and tissue engineering

**Jonathan J. L. Higdon**

Fluid mechanics and computational algorithms

**Nicholas E. Jackson**

Multiscale modeling, soft materials, machine learning, charge transport

**Paul J. A. Kenis**

CO<sub>2</sub> electrolysis, continuous flow manufacturing, microfluidics for biology

**Hyunjoon Kong**

Design of bioinspired materials, stem cell niche, and tissue engineering

**Mary L. Kraft**

Surface analysis and biomembranes

**Deborah E. Leckband**

Bioengineering and biophysics

**Alexander V. Mironenko**

Computational heterogeneous catalysis, reactive force fields, quantum chemistry

**Uzoma M. Monye**

Specialized teaching faculty

**Sara Pedron Haba**

Biomaterial models of brain disease

**Baron G. Peters**

Theory, computation, catalysis, crystallization

**Christopher V. Rao**

Computational biology and cellular engineering

**Simon A. Rogers**

Colloidal suspensions, polymers, and complex fluids

**Charles M. Schroeder**

Single molecule biology, biophysics and biomolecular engineering

**Kenneth S. Schweizer**

Macromolecular, colloidal and complex fluid theory

**Diwakar Shukla**

Molecular engineering, molecular modeling and simulations, biophysics

**Charles E. Sing**

Theoretical polymer physics, statistical mechanics, and computer simulation

**Antonia Statt**

Soft matter and polymer physics, computer simulations

**Xiao Su**

Molecular engineering of materials

**Hong Yang**

Nanomaterials for energy and biotechnology, electrocatalysis

**Huimin Zhao**

Molecular bioengineering and biotechnology



UNIVERSITY OF  
**ILLINOIS**  
URBANA-CHAMPAIGN