



A Distinctive Academic Experience

- Vast interdisciplinary research opportunities;
- Close working relationships with faculty;
- Small “family feel” department;
- New, state-of-the-art facilities.

Financial Advantage

- Competitive financial support;
- Affordable housing;
- Cost of living 6.3% below the national average.

Lifestyle

- Diverse, technologically sophisticated city with beautiful, open spaces;
- Access to top-rated medical facilities;
- Cultural and recreational activities including Wexner Center for the Arts, Columbus Symphony, college football (National Champion eight times), pro hockey, soccer.

Faculty and Research Areas

Aravind R. Asthagiri, Carnegie Mellon University
Computational catalysis, modeling surface chemistry.

Bhavik R. Bakshi, MIT
Sustainable engineering, circular economy, process systems engineering.

Nicholas A. Brunelli, California Institute of Technology
Catalytic material design.

Jeffrey J. Chalmers, Cornell University
Intrinsic magnetization cell separation and immunomagnetic cell separation, cancer detection, bioengineering, point of care blood testing technology, sickle cell disease.

Stuart L. Cooper, Princeton University
Polymer physics, block polymers, ionomers, polyurethanes, biomaterials.

Liang-Shih Fan, West Virginia University
Particle science and technology, clean energy and environmental systems, electrical capacitance volume tomography, fluidization / multiphase reaction engineering.

Lisa Hall, University of Illinois at Urbana-Champaign
Theory and simulation of polymeric materials.

W.S. Winston Ho, University of Illinois at Urbana-Champaign
Molecular and chemical membrane separations; hydrogen purification, CO₂ capture, water desalination and purification, antibiotic recovery, wastewater treatment and metal recovery.

Kurt W. Koelling, Princeton University
Rheology, polymer processing, polymer nanocomposites, and biopolymers.

Isamu Kusaka, California Institute of Technology
Statistical mechanics, transport phenomena in nano scale systems.

Umit S. Ozkan, Iowa State University
Heterogeneous and electro-catalysis, kinetics, and catalytic materials.

Andre F. Palmer, Johns Hopkins University
Biomaterials for transfusion medicine and tissue engineering.

Joel Paulson, Massachusetts Institute of Technology
Smart manufacturing, sustainable process systems engineering, and advanced optimization and control of complex biochemical systems.

James F. Rathman, University of Oklahoma
Molecular informatics and modeling complex chemical and biological phenomena.

Eduardo Reátegui, University of Minnesota
Microtechnologies, biomaterials, spectroscopy, immunoengineering, circulating biomarkers.

Katelyn E. Swindle-Reilly, Washington University in St. Louis
Polymeric biomaterials, biomimetics and drug delivery systems.

David L. Tomasko, University of Illinois at Urbana-Champaign
Molecular thermodynamics, separations, and STEM retention.

William Xiaoguang Wang, University of Wisconsin-Madison
Design of novel dynamic polymeric materials and systems based on colloidal and interfacial phenomena.

Xiaoxue Wang, Massachusetts Institute of Technology
Design of flexible, stretchable electronics using advanced soft materials.

Jessica O. Winter, University of Texas at Austin
Nanomanufacturing, nanotechnology for cancer imaging and therapy, controlled release.

David Wood, Rensselaer Polytechnic Institute
Biotechnology development through protein engineering.

Barbara E. Wyslouzil, California Institute of Technology
Aerosol and particle technology.

Shang-Tian Yang, Purdue University
Biochemical, metabolic, and tissue engineering; biotechnology.

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