



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
Sustainability science and engineering, 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.

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, and fluidization and multiphase flows.

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, antibiotic recovery, wastewater 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.

L. James Lee, University of Minnesota
Nanobiotechnology and polymers, composites, and nanomaterials.

Li-Chiang Lin, University of California-Berkeley
Materials discovery using molecular simulations for separations, energy storage and catalysis.

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.

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.

Andrew Tong, The Ohio State University
Process development of advanced combustion and clean energy systems, gas-solid fluidization.

Jessica O. Winter, University of Texas at Austin
Nanotechnology for cancer imaging, cancer cell migration and energy storage.

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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