



Sustainable Transformations and Energy

Krieger School of Arts and Sciences | Whiting School of Engineering

LEADS:

Paul Ferraro, *Bloomberg Distinguished Professor of Human Behavior and Public Policy; Director, Environmental Programs Innovation Collaborative; Co-Director, Behavioral and Experimental Agri-Environmental Research*

David Goldberg, *Professor, Department of Chemistry*

Ben Schafer, *Willard and Lillian Hackerman Professor of Civil and Systems Engineering; Founding Director, Ralph S. O'Connor Sustainable Energy Institute*

Chao Wang, *Associate Professor, Department of Chemical and Biomolecular Engineering*

RECRUITING:

4 Bloomberg Distinguished Professors

4 junior faculty

ABOUT THE CLUSTER

This cluster unites scientists, engineers, and market and policy experts with interests aligned toward solving critical technological and societal problems arising from the use of unsustainable chemicals and materials, fossil fuels, and other anthropogenic, environmentally harmful substances.

Cluster scholar backgrounds may include:

- Sustainable Transformations: Foundational Chemistry and Materials: Chemistry for earth-abundant catalysis, synthesis, capture and upcycle carbon, sustainable and stable storage
- Sustainable Energy: Engineering and Scale-up: Geo-scale solar and wind, solar devices, systems control and infrastructure for next-generation power
- Sustainable Society: Systems, Markets, and Policy: Macro energy systems, power market design, energy policy enablers, LCA, TEA, workforce, DEI, advocacy

Team members in this cluster will work within JHU's unique collaborative culture and receive additional administrative and financial support to ensure their interdisciplinary research is truly impactful and world-changing.



The Bloomberg Distinguished Professorships (BDP) Cluster Initiative at Johns Hopkins University is part of an ambitious investment in interdisciplinary research to bridge academic disciplines and open novel fields of inquiry to tackle society's most complex problems. Recruiting 100 researchers and scholars, the BDP program was established in 2013 and expanded in 2021 with gifts from Michael R. Bloomberg, JHU alumnus and 108th mayor of New York City. Many of these positions are dedicated to the Cluster Initiative to recruit scholars and innovators who will draw on each other's unique strengths to make meaningful impact and generate solutions.

WANT TO LEARN MORE?

We have more detail on this cluster available on our website. You can also sign up for updates on future positions, news, and more.

research.jhu.edu/clusters

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