Postdoctoral Researcher at the University of Houston

The William A. Brookshire Department of Chemical & Biomolecular Engineering at the University of Houston (UH) seeks outstanding candidates for multiple open positions for postdoctoral scholars in the research groups of Megan Robertson, Ramanan Krishnamoorti, Anil Bhowmick, and Alamgir Karim.

Competitive candidates are expected to have a Ph.D. in Chemistry, Chemical Engineering, Materials Science, Polymer Chemistry or Engineering (or a closely related discipline) and show potential for exceptional research.

We are seeking candidates in two project areas related to polyolefins:

Project Area 1: Development of novel polyolefins with unique structural features and properties
This project is in collaboration with an industrial partner. We seek two postdoctoral scholars in this area, one with strong expertise in polymerization with a basic background of chemistry and a second with background, expertise, and interest in polymer chemistry and characterization. These projects are advised by Robertson, Krishnamoorti and Bhowmick.

Project Area 2: Recycling and upcycling of polyolefins
We are developing new chemical paradigms for transforming polyolefin waste, based on chemical functionalization strategies for converting waste polyolefins to value-added materials. We seek multiple postdoctoral scholars for this area. Depending on the specific project, the scholar's expertise can be in polymer chemistry, physics, or characterization. These projects are advised by Robertson, Krishnamoorti and Karim.

UH is a Carnegie Tier 1 Public Research University with an umbrella organization, UH Energy (https://www.uh.edu/uh-energy/), that manages energy-related research and education. The UH Energy Transition Institute was recently established with a leading gift from Shell and additional gifts and matching funds that will likely exceed $52 million (https://stories.uh.edu/2022-energy-transition-institute/). UH is also home to several other research institutes, including the Hewlett Packard Enterprise Data Science Institute (https://hpedsi.uh.edu/) and the Advanced Manufacturing Institute (https://ami.uh.edu/), to name a few.

The Houston Metropolitan Area offers excellent quality of living and a vibrant arts and entertainment scene propelled by a growing economy. Houston is home to the Texas Medical Center, the largest in the world, and has a broad industrial base in Energy, Chemicals, Materials, Aeronautics, and Medical Technologies offering additional opportunities for collaborative research.

The University of Houston is an Equal Opportunity/Affirmative Action employer. Minorities, women, veterans, and persons with disabilities are encouraged to apply. Additionally, the University prohibits discrimination in employment on the basis of sexual orientation, gender identity or gender expression.

For more information please contact:

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