



## **Postdoctoral Fellow Position in Synthesis and Functionalization of Nanoscale Photonic Materials for Biological Sensing and Drug Discovery Applications**

The William A. Brookshire Department of Chemical & Biomolecular Engineering at the University of Houston invites candidates to apply for a postdoctoral fellow position in the Mountziaris Laboratory. Research will focus on developing efficient and scalable methods for synthesis of nanoscale photonic materials, fundamental studies of nucleation and growth mechanisms, surface modification, and functionalization for multiplexed biological sensing and drug discovery applications. The work environment is highly collaborative and provides opportunities for developing new skills and pursuing new ideas in emerging areas of research. The Mountziaris group has access to state-of-the-art shared facilities for materials characterization, studies of nucleation phenomena, and reaction kinetics.

A Ph.D. in Chemical Engineering or a related discipline, such as Chemistry or Materials Science and Engineering, is required. The ideal candidate will have experience in one or more of the following areas: reaction engineering, nanostructured materials synthesis and characterization, surface modification of materials, bioconjugation, and biosensors. Competitive candidates are expected to have excellent oral and written communication skills and ability to work efficiently as members of an interdisciplinary research group.

Applicants should submit by email to Prof. T.J. Mountziaris ([tjmountz@central.uh.edu](mailto:tjmountz@central.uh.edu)) a single pdf file containing the following information: (1) a cover letter describing their research interests, relevant experience, and career goals; (2) current CV; (3) names and contact information of three professional references; and (4) two representative publications.

Appointments will be effective as early as December 1, 2021, and applications will be accepted until the position is filled. Initial appointment will be for one year, with the possibility of renewal pending satisfactory performance. The salary will be within the appropriate University of Houston pay scale and commensurate with experience and qualifications. The position is eligible to receive full benefits.

The University of Houston, the second most ethnically diverse major research university in the United States, is a Hispanic Serving Institution and an Asian American and Native American Pacific Islander-Serving Institution. Houston is an international metropolis with a vibrant arts and entertainment scene and a broad industrial base in energy, aeronautics, materials, and medical technologies. The Texas Medical Center, located near the University of Houston campus, offers world-class patient care and medical research infrastructure. The University of Houston is an equal opportunity employer and is committed to diversity, equity, and inclusion in academia. We encourage applications from candidates belonging to all underrepresented groups in STEM. The hiring of qualified applicants will be made without regard for the applicant's race, color, religion, sex (including gender identity, sexual orientation, and pregnancy), age, national origin, disability, or veteran status.