

Postdoctoral positions in the Zerze lab (GHZ) on computational modeling and simulations of biomolecular self-assembly

The William A. Brookshire Department of Chemical & Biomolecular Engineering in the Cullen College of Engineering of the University of Houston invites candidates to apply for postdoctoral fellow positions or research faculty positions that are available in the GHZ Lab to work on molecular modeling and simulations of protein phase behavior. The expertise in the GHZ lab is focused on the computational biomolecular science (see our publication profile [here](#)). Candidates sought for these positions are expected to primarily involve in *developing models; simulation and analysis techniques to study cancer-related transcriptional condensates; however, candidates who are willing to work on multiple projects are encouraged to apply*. A Ph.D. in Chemical Engineering (or a related discipline) is required with a solid background in statistical mechanics and appropriate research experience in molecular simulations and biophysics (or related fields). Experience in machine learning techniques, coarse-graining, advanced sampling techniques, or empirical force fields is a plus. **Candidates close to defending their Ph.D. dissertation will be considered for postdoctoral fellow positions. More experienced candidates will be considered for research faculty positions.** Competitive candidates are expected to have excellent oral and written communication skills and a strong publication record for their career level.

Applicants should submit: (1) a cover letter describing their research interests, relevant experience, and career goals; (2) current CV; and (3) names and contact information of at least two references to Prof. Gül Zerze, gzerze@uh.edu.

Appointments will be effective as early as January 1, 2022, and applications will be considered on a rolling basis until all positions are filled. Positions will be primarily funded by the Cancer Prevention and Research Institute of Texas and the funding will be available at least for 5 years. Initial appointments 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 positions are eligible to receive full benefits.

The University of Houston is an Affirmative Action / 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.