

Postdoc Opening in the Dave C. Swalm School of Chemical Engineering at Mississippi State University

There is an opening for a postdoctoral associate in the **Molecular Science and Engineering Lab** (<http://railab.che.msstate.edu/>) directed by Dr. Neeraj Rai. The successful candidate will perform classical and first principles molecular dynamics and/or Monte Carlo simulations to model the reaction-diffusion process in hierarchical systems, and model the condensed phase behavior of biopolymers and macromolecules.

Applicants must have a Ph.D. degree in chemical engineering, chemistry, physics, or a related discipline. Experience in either classical molecular simulation or first principles molecular dynamics or Monte Carlo simulations is required. The successful applicant is expected to have some programming experience.

The postdoctoral associate position is a full-time, benefits-eligible 12-month basis appointment. The initial appointment is for one year with a possibility of extension based on the performance and the availability of funding.

Applicants should apply via the MSU employment website (www.msujobs.msstate.edu) and include a detailed vita, a statement of research interests and career goals, and the names and addresses of three references. Review of applications will begin October 15, 2018, and continue until the position is filled.

MSU is one of the largest public institutions of higher learning in the state of Mississippi. MSU had over \$239.4 million in research expenditure for the year 2016. In addition, High Performance Computing Collaboratory (HPC²) provides a number of highly capable supercomputers for computational research at MSU. MSU campus is spread over nearly 4000 acres and provides an ideal setting for research and extracurricular activities.

MSU is an equal opportunity employer, and all qualified applicants will receive consideration for employment without regard to race, color, religion, ethnicity, sex (including pregnancy and gender identity), national origin, disability status, age, sexual orientation, genetic information, protected veteran status, or any other characteristic protected by law. We always welcome nominations and applications from women, members of any minority group, and others who share our passion for building a diverse community that reflects the diversity in our student population.