

Postdoctoral Position

Rutgers School of Dental Medicine at Rutgers Robert Wood Johnson Medical School, is currently seeking a Postdoctoral Fellow for Parashar laboratory at Department of Oral Biology. The successful candidate will be responsible for performing in the structure-function studies of proteins regulating bacterial signaling.

Qualifications:

- Ph.D. in Biochemistry, Molecular Biology, Structural Biology, or a related field
- Experience with cloning, protein expression, and protein purification methods
- A sound understanding of methods and approaches relating to macromolecular crystallography preferred
- Ability to plan and carry out research projects independently
- Ability to work on own initiative and take personal responsibility for delivery of work
- Excellent problem solving, interpersonal, communication and presentation skills
- A working knowledge of bacterial genetics and computational modeling of protein-ligand interactions preferred

Responsibilities include:

- Performing experiments for cloning, protein expression, and purification of proteins for biochemical and structural studies; robotic screens for crystallization; optimizing crystallization conditions; and collecting and analyzing diffraction data.
- Performing model building and structure refinement.
- Maintaining laboratory equipment to meet unique needs of the research activity
- Assisting with preparation of grant proposals, presentations and publications
- Actively seeking new collaborative projects within the department and externally

The Rutgers University Newark campus is well equipped with state-of-the-art equipment for molecular biology, protein purification, and crystallography, including crystallization robot, crystal imaging system, and X-ray generator. For consideration, please email curriculum vitae, a summary of research experiences & interests, and names of three references (with reference contact information and your relationship to each reference) to

Rutgers University is an AA/EEO employer. All applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, citizenship, disability or protected veteran status.

Quick Link: <http://xtalsmgddp.wixsite.com/parasharlaboratory/opportunities>