

INTERDISCIPLINARY POSTDOCTORAL POSITION AT RUTGERS UNIVERSITY

Dr. Shishir Chundawat at the Department of Chemical and Biochemical Engineering (Rutgers University, New Brunswick) is seeking applications from qualified individuals for the position of Postdoctoral Fellow/Associate (PDF/PDA) to begin working in his group by early- to mid- Fall 2018. The candidate should have a Ph.D. with expertise in one or more of the following areas: synthetic biology, molecular/plant biology, protein biophysics, structural biology, protein engineering, carbohydrate-active enzymes, chemistry, and/or chemical/biochemical engineering. The candidate is expected to have at least 5 years of relevant research experience working in the relevant area/s with a strong publication record. The PDF/PDA will be expected to conduct independent research on engineering, expression and characterization of plant cell polysaccharide synthase relevant enzymes/proteins for a DOE-sponsored bioenergy crops multimodal imaging project (see link for details; <http://cbe.rutgers.edu/news/prof-chundawats-rutgers-led-research-team-selected-doe-award-study-bioenergy-crops>). This project will also involve close collaborations with other researchers at Rutgers University (Prof. Sanghyuk Lee, Prof. Eric Lam), Vanderbilt University (Prof. Matthew Lang), and Oak Ridge National Laboratory (Dr. Wellington Muchero and Dr. Sai Venkatesh Pingali).

Candidates should have suitable practical experience with protein expression using either bacterial/yeast/cell-free based systems and have extensive experience in protein biophysical characterization and enzymology. Experience in protein modeling (Rosetta) or biomolecular simulations is highly advantageous. Practical experience working with transgenic plants, plant cell cultures, super-resolution microscopy, membrane proteins expression/assays, and/or carbohydrate-active enzymes would be preferred, but not required. Position requires independent research, weekly reporting to Dr. Chundawat, monthly Skype call updates for collaborators, instruction of undergraduate and graduate students in the lab, public presentations, and aid in preparation of grants/fellowships/manuscripts. The candidate is expected to be proficient in both spoken and written English. The candidate should be a team player with a strong work ethic and comfortable working on highly interdisciplinary and time-sensitive projects. This is a 1-year appointment with the possibility of reappointment for up to 2 additional years. Women and minorities are strongly encouraged to apply.

Candidates should email cover letter, detailed curriculum vitae including publication list, one representative publication pdf, and contact information for 3 referees to Dr. Chundawat (shishir.chundawat@rutgers.edu). Please include the following subject title in the email ("*DOE project postdoctoral position application*"). Additional details about the Chundawat research group at Rutgers University can be found online here (<http://rci.rutgers.edu/~spc120/>). Candidates will have to also apply to Rutgers official job posting online in the coming weeks to be officially considered for this position.

Disclaimers: All offers of employment are contingent upon successful completion of all pre-employment screenings. It is university policy to provide equal employment opportunity to all its employees and applicants for employment regardless of their race, creed, color, national origin, age, ancestry, nationality, marital or domestic partnership or civil union status, sex, pregnancy, gender identity or expression, disability status, liability for military service, protected veteran status, affectional or sexual orientation, atypical cellular or blood trait, genetic information (including the refusal to submit to genetic testing), or any other category protected by law. As an institution, we value diversity of background and opinion, and prohibit discrimination or harassment on the basis of any legally protected class in the areas of hiring, recruitment, promotion, transfer, demotion, training, compensation, pay, fringe benefits, layoff, termination or any other terms and conditions of employment. For additional information please see the Non-Discrimination Statement at the following web address: <http://uhr.rutgers.edu/non-discrimination-statement>.