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Recruitment of a Project Associate-II at Dr. Reddy's Institute of Life Sciences, Hyderabad for the DST-SERB sponsored project "Molecular Insights into Ligand-selective and Cholesterol-specific Activation of the GPCR Serotonin_{1A} Receptor with GPU-enabled High-performance Computing" (CRG/2021/003804)

Project Title: Molecular Insights into Ligand-selective and Cholesterol-specific Activation of the GPCR Serotonin_{1A} Receptor with GPU-enabled High-performance Computing

Brief description: The project explores the ligand-selective conformational dynamics of serotonin_{1A} and the role of cholesterol in its regulation using GPU-enabled high-performance computing, Markov state Modelling and free energy simulations.

Principal Investigator: Dr. Sandipan Chakraborty, Associate Principal Research Scientist, Center for Innovation in Molecular and Pharmaceutical Sciences (CIMPS), Dr. Reddy's Institute of Life Sciences, Hyderabad

Co-Principal Investigator: Prof. Amitabha Chattopadhyay, CSIR Bhatnagar Fellow, Membrane and GPCR Biophysics and Biology Group, Centre for Cellular and Molecular Biology, Hyderabad

Position: Project Associate-II (One)

Fellowship Duration: More than 2 years. Initial appointment is for 1 year; extendable depending on satisfactory yearly performance

Stipend and other allowances: Consolidated amount of Rs. 43,400 per month (including all the allowances)

Qualifications: Master's Degree in Natural or Agricultural Sciences / MVSc or bachelor's degree in Engineering or Technology or Medicine from a recognized University or equivalent; and 2 years' experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organisations and Scientific activities and services.

Preference will be given to candidates with experience in Linux OS and biomolecular simulation. Applicants with GATE/UGC-CSIR NET (JRF/LS) /DBT-JRF scores will be preferred.

Age Limit: 35 years.

Application Procedure: Applicants are requested to e-mail their CV with a cover letter as a SINGLE PDF hr@drils.org

Last date of application: 21st November 2022

Date and time of interview: Final date and time will be informed to shortlisted applicants only via email