RECRUITMENT THROUGH AN OUTSOURCED AGENCY			
S. No.	**Name of the position/ Maximum monthly emoluments/ No. of posts**	**Minimum qualification and experience**	**Project**
1.	**Project Associate - I** Rs. 31,000/- + 24% HRA One	M.Sc./ M. Tech. in Bioinformatics/ Biochemistry/ Microbiology. **Desirable:** Knowledge in Bioinformatics/ Genomics/ Protein chemistry. ***** Final year M.Sc./ M. Tech. students can also apply***	Antibiotic adjuvants development to unlock bacterial resistance against β - lactam and aminoglycoside antibiotics
2.	**Senior Project Associate** Rs. 42,000/- + 24% HRA One	M. Sc./ M. Tech. in Mathematics from a recognized University with four years of post - qualification experience in relevant field. **Desirable:** Good Knowledge in dynamical systems, Network analysis and Graph theory with an experience in computer application like Matlab, cytoscape, etc. and atleast one Publication in a good journal.	Investigating the effectiveness of autophagy as a potential target and a molecular signature of slow progressive disease
3.	**Project Associate - I** Rs. 25,000/- + 24% HRA One	M. Sc./ M. Tech. degree in Mathematics or physics from a recognized University. **Desirable:** Knowledge in differential equation, dynamical systems and mathematical biology with some experience in computer application like Matlab.	
4.	**Project Associate - I** Rs. 31,000/- + 24% HRA One	M. Pharma/ M. Sc./ M. Tech. in Medicinal Chemistry/ Pharmacology/ Chemistry/ Any Branch of Life Sciences with relevant research experience in Medicinal Chemistry or Pharmacology. **Desirable:** Experience of performing pharmacokinetic and drug distribution studies in rodents is highly desirable. Prior experience of handling HPLC/ LCMS instrument will be an added advantage.	Synthesis and DMPK evaluation of Isoniazid derivatives aimed to improve its pharmacological profile
5.	**Project Associate - I** Rs. 31,000/- + 24% HRA One	B. Tech./ M. Tech./ M. Sc. in Bioinformatics/ Computer Science/ Associated fields with knowledge of at least one scripting language (preferably Perl, R or Python), knowledge of probability and Statistics. **Desirable:** Bioinformatics, Genomics and Sequence analysis experience will be preferred.	Integrative data mining for genome based rapid detection of antibiotic resistance in Gram - negative ESKAPE pathogens

6.	**Project Associate - I** Rs. 24,000/- + 24% HRA One	M. Sc./ M. Tech. in any branch of Life Sciences from a recognized university with minimum 60%. **Desirable:** Experience in human primary cells as well as cell lines and in molecular biology and biochemistry techniques like ELISA, Western blotting, PCR etc. Experience in Microsoft Excel and other basic computer applications and should have good writing and presentation skills.	Molecular characterization of Hepatocytes to improve existing in - vitro models for Drug Discovery in NAFLD/ NASH
7.	**Project Associate - I** Rs. 25,000/- + 24% HRA One	M. Sc./ M. Tech. in Life Science/ Biotechnology/ Biochemistry/ Microbiology from a recognized University. **Desirable:** Experience in mammalian cell culture with handling of various cell lines, molecular biology, ELISA, RTPCR, biochemical / cellular assays for screening of small molecules and BSL3 experience	Proof of concept study: Identification of a novel inhibitor against NLRP3 inflammasome for TB therapy
8.	**Project Associate - I** Rs. 31,000/- + 24% HRA One	M. Sc./ M. Tech. with one year of experience in LCMS and expertise in instrument maintenance and conducting metabolomics analysis using LCMS along with knowledge of metabolomics data analysis and Statistical analysis of data using freely available software. **Desirable:** Knowledge of the different types of environmental exposure and metabolic dysregulation in metabolic diseases.	Mapping the plasma exposome and its association with Type 2 diabetes disease
9.	**Project Associate - I** Rs. 25,000/- + 24% HRA One	M. Sc./ M. Tech. in Life Sciences/ Biochemistry/ Biotechnology/ Microbiology/ Allied Field from a recognized University. **Desirable:** Working experience of molecular biology techniques, cell culture, biochemical methods such as SDS PAGE, western blotting, ELISA, animal handling.	Characterization of broad and potent monoclonal antibodies generated against receptor binding domain of SARS - CoV - 2 and its variants of concerns (VOCs)
10.	**Project Associate - I** Rs. 25,000/- + 24% HRA One	M. Sc./ M. Tech. in Life Sciences/ Biochemistry/ Biotechnology/ Microbiology/ Allied Field from a recognized University. **Desirable:** Working experience of molecular biology techniques, cell culture, biochemical methods such as SDS PAGE, western blotting, ELISA, animal handling.	Mutational Landscape of Receptor Binding Domain (RBD) of SARS - CoV - 2 Spike Protein and Understanding the Probability of Immune - escape
11.	**Project Associate - I** Rs. 25,000/- + 24% HRA One	M. Sc./ M. Tech. in Life Sciences/ Biochemistry/ Biotechnology/ Microbiology/ Allied Field from a recognized University. **Desirable:** Working experience of molecular biology techniques, cell culture, biochemical methods such as SDS PAGE, western blotting, ELISA, animal handling.	Immunogenicity assessment and Protective response Evaluation of SARS CoV - 2 vaccine candidates; An attempt to meet the unmet need of SARS CoV - vaccine candidate with broad potency

12.	**Project Associate - I** Rs. 25,000/- + 24% HRA One	M. Sc./ M. Tech. in Life Sciences/ Biochemistry/ Biotechnology/ Microbiology/ Immunology from a recognized University. **OR** B. Tech. in Biotechnology from a recognized University. **Desirable:** Experience of working with basic bacteriology/ mammalian cell culture/ recombinant protein production purification/ knowledge of basic Immunological techniques (ELISA, Western blotting etc.)/ Molecular biology techniques (PCR cloning etc.)	Developing antibody-based novel therapeutic modalities against the resistant *Salmonella typhi*
13.	**Project Associate - I** Rs. 31,000/- + 24% HRA One	M. Sc./ M. Tech. in any branch of Life Science or Pharmacology from a recognized University with two years' experience in animal cell culture and molecular biology techniques. **Desirable:** Experience in in - vitro screening of compounds.	To identify pre-clinical hits for the management of non-alcoholic fatty liver disease through HTS amenable phenotypic screening of compounds from commercially available library(ies) in cell-based models, mimicking the progressive disease stages of NASH
i) Rs. 31,000/- + HRA: Scholars who are selected through (a) National Eligibility Tests - CSIR - UGC NET including lectureship or GATE or (b) A selection process through National level examinations conducted by Central Department and their agencies and institutions) **ii) Rs.25,000/- + HRA:** For others who do not fall under (i) above			
Interested candidates fulfilling the eligibility criteria as mentioned above, may send their updated CVs mentioning the name of the position and project on outsource.rec1@gmail.com latest by 12th September, 2021			
NOTE: The application will not be considered in case the name of the project will not be mentioned in the mail.			