

Scientific Officer in Microbiology and Bio-Informatics

Conceptualized in the year 2004 as a philanthropic initiative for the Eastern and North-Eastern parts of India and the neighboring countries, the Tata Medical Center (TMC) started operations in Kolkata on May 16, 2011. The hospital is governed by a charitable trust – Tata Medical Centre Trust. It is an integrated Oncology facility with well-trained professional staff and equipped with modern facilities and the most contemporary medical equipment.

The hospital is an integrated Oncology facility with well-trained professional staff and equipped with modern facilities and contemporary medical equipment. The Hospital, with a capacity of 437 beds, serves all sections of the society, with a significant proportion of the infrastructure earmarked for subsidized treatment for the underprivileged sections. It provides a wide spectrum of services from diagnosis and therapy to rehabilitation and palliative support. The Institution's objective is to excel in service, education and research.

Tata Medical Center, Kolkata, has strived to be one of the leading cancer care and research institutions in the country and has benefited West Bengal as well as the adjoining states and neighbouring countries.

TMC is also running many academic programs and has entered into institutional collaborations in education, research, and outreach programs in the field of interdisciplinary medical, research and technology

To fulfil the above objectives TMC invites applications for the following positions:

Scientific Officer in Microbiology and Bio-informatics: 1 post

Job Summary:

The Scientific Officer in Microbiology and Bio-informatics will use analytical measurement tools and programs to gather, analyse, and record biological characteristic data, and then to interpret, visualize, and present the data for further study. He/she would be responsible for analysing next generation sequencing data related to meta-genomics, whole genome sequencing or targeted gene sequencing.

Duties and Responsibilities:

- Collects and document large amounts of scientific data.
- Analyse collected data using statistics, computer programs, and other sophisticated tools; make assessments and predictions based on observations.
- Tracks data to identify changes and trends of the subject(s) being studied.
- Reports findings, in written and oral presentation forms, using appropriate visuals.
- Assists with preparation of reports for scientific publication.
- Develop and maintain searchable databases of research and biological data.
- Collaborates with fellow scientists, clinicians, and information technology staff to ensure that data needs and requirements are met and understood.
- Create and maintain user manuals and procedures and provide training on these documents to assist with database use and data management.

- Perform routine system administrative actions such as upgrades, backups, and troubleshooting.
- Maintain current knowledge of emerging computational methods and technologies.
- Perform phenotypic and molecular tests in Microbiology as commonly used for medical diagnostic applications
- Bio-informatics work in other areas of the Department of Laboratory Sciences (e.g. Molecular Pathology)
- Performs other related duties as assigned

Required Skill and Abilities:

- Proficiency with Linux/ Python programming language
- Knowledgeable about PCR, Sanger sequencing, next generation sequencing and data analysis
- Ability to collect, document, and analyse large amounts of data.
- Excellent analytical and problem-solving skills.
- Excellent organizational skills and attention to detail.
- Excellent verbal and written communication skills.
- Proficient with Microsoft Office, Excel, PowerPoint

Number of position: One

Essential qualification: MSc in Microbiology / Bio-technology/ Bio-informatics

Desirable qualification: PhD in the relevant specialty.

Experience:

Three to five years of related experience. Hands on experience in Bio-informatics and microbiology/ bio-technology would be desirable.

***The remuneration will be commensurate with years of experience.**

How to apply:

Interested candidates are requested to apply on-line at:

<https://tmckolkata.com/apps/hrd/careers.php>

They may also send their CV to the head of HR at the email address:

suvashish.mukherjee@tmckolkata.com

CV must contain details about: complete name, permanent and current address; date of birth, gender, mobile number, email ID, qualification, experience, Bio-informatics and molecular biology skills, and name of two referees with contact details (mobile number and email ID).

Last date of application: 15th March 2024