



**Application for the position of Research Assistant in
Flow Cytometry at TTCRC (Tata Medical Center)**

Last date of Application: 30/11/2021

TTCRC

The Tata Medical Center (TMC) is a not for profit dedicated cancer hospital based in the New Town development in Kolkata. It is one of its kind in eastern India. The Tata Translational Cancer Research Centre (TTCRC) is a research institute within TMC. TTCRC is creating a stimulating environment where clinicians, scientists and industry can work together to develop indigenous solutions for patients with cancer in India. The research laboratories are housed over 3 floors in a building adjacent to the main hospital and house state of the art facilities. Currently over 40 people are working within the facility.

Position

Research Assistant in Genomics

Appointing Organisation

Tata Translational Cancer Research Centre
Tata Medical Center, Kolkata

The Tata Medical Center and the Tata Translational Cancer Research Centre

The Tata Medical Center (TMC) is a multispecialty institution for tertiary cancer care based in New Town, Kolkata. At TMC, clinical and research activities are integrated to provide state-of-the-art care for patients with cancer. This integration is enabled by the Tata Translational Cancer Research Centre (TTCRC), the research arm of TMC. TTCRC is within a dedicated academic space and spread over 3 floors. At TTCRC, a multidisciplinary team of clinicians, scientists, academics and industry professionals collaborate to develop a systems medicine approach in cancer research. This approach is focussed on developing innovative, indigenous, cost-effective and equitable strategies to improve cancer diagnosis; develop treatments that match disease characteristics and are adapted to treatment response; and, identify prognostic and predictive disease biomarkers. These strategies are multi-dimensional and involve an iterative pathway that include clinical studies, high-throughput laboratory investigations, computational strategies to integrate, analyse and model data, hypothesis-based pre-clinical studies and evidence-based translation of findings to clinical practice. For additional information on work at TTCRC, visit <https://tinyurl.com/TTCRC-systems-medicine> and <https://tinyurl.com/TTCRC-childhood-ALL>.

The Position

In this position, you will work as part of the cancer cell biology group at TTCRC. The group uses high-throughput discovery screens coupled with systematic hypothesis-driven studies to investigate potential leads from clinical observations and proteogenomic studies.

Integral to this approach is the development of suitable pre-clinical tumour models that closely recapitulate

disease and that are robust and reproducible. The group's work is focussed currently on two cancers, acute lymphoblastic leukaemia and gallbladder cancer. The group is supported by a dedicated tissue biorepository, a clinical research unit, genomics and informatic analyses. Your focus would be the technical management of the flow cytometry services. Your primary responsibility will be to continue, optimise and extend ongoing work on developing, establishing and maintaining SOPs relevant to the use of the flow sorter (BD Aria Fusion) and the flow analyser (BD Accuri C6 Plus) for immortalised cell lines and primary samples from patients. This will involve working closely with the hospital's multidisciplinary clinical service, the tissue biorepository unit and colleagues in the cancer cell biology group. You will also participate in troubleshooting experimental procedures that will allow establishment of model cell systems relevant to the investigation of disease biology and identification of therapeutic opportunities. The post holder will have a designated desk and computer.

Minimum required qualifications/experience

- (a) MSc in Biological Sciences, including Life Sciences, Biotechnology, Cell & Molecular Biology, Microbiology and Pharmacology
- (b) Advanced level understanding of flow sorters and analysers
- (c) Technical expertise in handling, maintaining and performing protocols, procedures and techniques relevant to cell sorting, immunophenotyping, intracellular protein expression, phenotypic assays on the flow cytometry platforms available in-house

Necessary qualities

- (a) Integrity, motivation, enthusiasm
- (b) Focus and commitment in carrying out tasks and duties
- (c) Critical analytical and problem-solving skills, capable of independent work
- (d) Ability to work effectively as part of a multidisciplinary team
- (e) Clarity in career and professional development goals

Appointment and reporting

Appointment to the position will initially be for 3 (three) years. The first year is probationary. Confirmation in the position and progression to years 2 and 3 is subject to satisfactory review of performance through periodic appraisals of performance. Appraisals will also determine salary increments and promotions. The consolidated monthly salary is within the range INR 25,000 – 47,000 and the start pay will be based on review of qualifications and experience. The position is funded by a centre grant from the Tata Consultancy Services. The successful candidate will work in co-ordination with the project leads and report to the Director TTCRC.

Enquiries

- (a) For further details on TMC and TTCRC, visit www.tmckolkata.com
- (b) Submission of applications by post or by e-mail to:

Mr Suvasish Mukherjee; Head, Human Resources; Tata Medical Center; 14 Major Arterial Road (East-West); Newtown, Rajarhat; Kolkata 700 160

e-mail: suvashish.mukherjee@tmckolkata.com

For informal enquiries,

Ms Sukanya Guha (sukanya.guha@ttcrc.tmckolkata.org)

Knowledge/ Aptitude/Skills,	Requirements	Essential / desirable	Information from
1. Disposition / Attitude	a. Integrity b. Flexibility c. Motivated d. Committed e. Willing to learn new skills f. Works as part of a team g. Receptive to new ideas h. Capable of independent work & to an agreed plan i. Good time management j. Organized, able to prioritize responsibilities k. Works to high technical and quality standards	a. Essential b. Essential c. Essential d. Essential e. Essential f. Essential g. Essential h. Essential i. Essential	Application form CV Profile Interview References
2. Education / Qualifications	MSc in Biological Sciences, (Life Sciences, Biotechnology, Cell & Molecular Biology, Microbiology& Pharmacology)	Essential	Interview Application form CV
3. Experience	a. Good laboratory practice b. Flow cytometry techniques, protocols	a. Essential b. Essential	Application form CV Interview & References
4. Skills and ability	a. Critical thinking b. Problem solving skills c. Readiness to evaluate, develop and test new approaches and strategies.	a. Essential b. Essential c. Essential	Application form CV Interview References

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