

Position: Research Assistant

No. of positions: 1

Appointing Organisation: Tata Translational Cancer Research Centre
Tata Medical Center, Kolkata

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, the candidate will work as part of the Minimal Residual Disease (MRD) monitoring group at TTCRC. The group is an internationally accredited centre for the minimal residual disease detection in childhood ALL. It has a dedicated laboratory facility equipped with Illumina, Sanger and Nanopore sequencers and it facilitates several national and international collaborative studies. This group is focussed on translational research, performing MRD monitoring for childhood ALL patients using both PCR and high-throughput technologies. The group is supported by a dedicated clinical research unit and biorepository unit. Primary responsibility of the candidate will be to continue the existing workflow, and to further optimize the high-throughput next generation platform that includes hands-on experiments, trouble shooting and data analysis. This will also involve working closely with hospital's multidisciplinary clinical service, and with research group at TTCRC. The candidate will need to actively participate in data presentations in group meetings and journal club. The post holder will have a designated desk and computer.

Minimum required qualifications/experience

- (a) M.Sc (with 2-3 years of experience) in Biological Sciences with expertise in Molecular Biology and Genomics**
- (b) Hands-on experience in basic laboratory protocols and techniques like DNA extraction,**

quality check, qPCR

(c) Soft skills: MS Office, Laboratory and clinical data management

Additional experience

Exposure in handling patients' samples, prior experience (1-2 years) in Sanger Sequencing, library preparation on Illumina platform is preferred but not mandatory.

Necessary qualities

- (a) Integrity, motivation, enthusiasm, responsibility and reliability
- (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

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 year 2 and 3 will be subjected to satisfactory review of performance through periodic appraisals. The consolidated monthly salary would be commensurate with qualifications, experience and TTCRC policy. The candidate will be managed by the group lead, MRD group and will report to the Director, TTCRC.

Enquiries

(a) For further details refer to TMC and TTCRC website, 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

(c) For informal enquiries,

Mr. Satadru Dey (satadru.dey@ttcrc.tmckolkata.org)

Knowledge/ Aptitude/Skills,	Requirements	Essential / desirable	Information from
1. Disposition / Attitude	a. Integrity, flexibility, motivated, committed b. Willing to learn new skills c. Works as part of a team d. Receptive to new ideas e. Capable of independent work & to an agreed plan f. Good time management g. Organized, able to prioritize responsibilities h. Works to high technical and quality standards	a. Essential b. Essential c. Essential d. Essential e. Essential f. Essential g. Essential h. Essential	Application form CV Profile Interview References
2. Education / Qualifications	M.Sc in Biological Science (2- 3 yrs experience)	Essential	Interview Application form CV
3. Experience	a. Good laboratory practice b. DNA and RNA technology	a. Essential b. Essential	Application form CV

	c. Library preparation for sequencing d. Handling Illumina sequencer	c. Desirable d. Desirable	Interview & References
4. Skills and ability	a. Critical thinking b. Problem solving skills c. Readiness to evaluate, develop and test new approaches and strategies d. Mentoring junior team members	a. Essential b. Essential c. Essential d. Desirable	Application form CV Interview References

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- (a) For further details on TMC and TTCRC, visit www.tmckolkata.com contact Satadru Dey by e-mail: satadru.dey@ttcr.tmc-kolkata.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

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