

**Position**

**Post-Doctoral Fellow in Cell Biology**

**Last Date of Application: 31/5/2022**

**Appointing Organization**

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. 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. 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 focused 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.

**The Position**

In this position, the candidate will work with a group developing pre-clinical organoid models of gallbladder cancer. The primary responsibility will be to optimise and extend ongoing work on developing, establishing and maintaining suitable primary cultures from tissue samples using different processes. This involves working closely with the hospital's multidisciplinary clinical service, the tissue biorepository unit and colleagues in the cancer cell biology group. The candidate will participate in downstream functional studies using these model systems, to investigate disease biology and identify therapeutic potentials. 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 candidate's work will be focused on pre-clinical modeling of the disease process. Expertise in the area of 3-D tissue culture and or drug profiling is desirable.

**Minimum required qualifications/experience**

- (a) PhD in Biological Sciences, including Life Sciences, Biotechnology, Cell & Molecular Biology, Microbiology and Pharmacology.
- (b) Experience with mammalian cell culture, immunohistochemistry
- (c) Familiarity with basic research laboratory protocols, procedures and techniques

**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 for Research Fellows ranges from INR 61000 – INR 87,000 with the start pay based on review of qualifications and experience. The position is funded by a core grant from the Tata Consultancy Services. The successful applicant will be managed by the Lead Scientist in Cell Biology and will report to the Director.

### Enquiries

- (a) For further details on TMC and TTCRC, visit [www.tmckolkata.com](http://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](mailto:suvashish.mukherjee@tmckolkata.com)  
 (c) For informal enquiries,  
 Ms Sukanya Guha ([sukanya.guha@tmckolkata.com](mailto:sukanya.guha@tmckolkata.com))

Knowledge/ aptitude, skills, etc.	Requirements	Essential / desirable	Information from
<b>1. Disposition / Attitude / Work habits</b>	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 priorities 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
<b>2. Education / Qualifications</b>	PhD in Biological Sciences, (Life Sciences, Biotechnology, Cell & Molecular Biology, Microbiology& Pharmacology)	Essential	Interview Application form CV
<b>3. Experience (minimum 5 years)</b>	a. Good laboratory practice b. Cell & molecular biology techniques c. 3D culture techniques	a. Essential b. Essential c. Essential	Application form CV Interview & References
<b>4. Skills and ability</b>	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