



Fellowship - Cytogenetics

Conceptualised 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. Set up at a cost of Rs. 350 crores, the Hospital, with a capacity of 183 beds, serves all sections of the society, with 50% of the infrastructure earmarked for free or subsidized treatment for the underprivileged sections. Tata Medical Center is currently in an expansion mode with another 250 beds being added to the current bed strength. The hospital provides a wide spectrum of services from diagnosis, therapy to rehabilitation and palliative support in cancer. The Institution's objective is to excel in service, education and research.

About the Department:

The cytogenetics Laboratory at Tata Medical Center receives about 3000 samples annually that include peripheral blood, bone marrow and solid tissues. The laboratory performs karyotyping on hematological malignancies along with Fluorescent in situ hybridisation (FISH). Solid tumors are studied by performing FISH analysis on formalin fixed paraffin embedded tissue sections as well as cell blocks and cytology smears. The laboratory also performs Mitomycin C testing to detect chromosome breakage in patients suspected to have Fanconi anaemia.

More than 14 papers have been published in national and international indexed journals in the last 5 years and numerous abstracts have been presented in national and international conferences.

In order to fulfill the above objectives, TMC invites applications for **Fellowship in Cytogenetics**:

Qualification: -

MD Pathology or equivalent in the relevant specialty

Experience: Fresh MD/DNB or Equivalent

Duration: Two Years

Course Content:

The Fellowship has been designed to train pathologists in cytogenetic analysis and correlate the genetic alterations with clinic-pathological findings.

Although the main focus will be on cytogenetic training, the fellow shall also have exposure in Haematopathology, Flowcytometry and molecular genetics during the course.

The fellow shall learn to plan and perform all assays in cytogenetics including Karyotyping, FISH and stress cytogenetics.

The fellow shall take part in training or knowledge transfer to the trainees/observers through training programs, and inter/intra-departmental academic sessions like seminar journal clubs, multidisciplinary team meeting involving treating physicians.

The fellow shall be encouraged to write papers for publications and present papers in national / international conferences.

At the end of the course the fellow shall learn to establish and run a genetic laboratory independently complimenting his/her knowledge in Pathology. He/She shall be able to develop a professional opinion conveying diagnostic information, recommendations, and approach to deal with a clinical question keeping in mind the relative diagnostic strengths and the limitations of any proposed investigation.

***For more details about the job positions, qualifications, eligibility and application forms, please log on to our website: www.tmckolkata.com. Further informal queries about the job please contact the consultants in the Cytogenetics department.**

You may also Email or Post applications by **28/02/2018** to:

Mr. Suvasish Mukherjee, Head-Human Resources, Tata Medical Center, 14 MAR (EW), New Town, Kolkata - 700156. Email - suvashish.mukherjee@tmckolkata.com.

Probable Entrance Exam/ Interview Date: 15/03/2018