

# Indian Institute of Technology Kharagpur & Tata Medical Center Kolkata

## Joint M.Sc.-Ph.D. Programs

IIT Kharagpur in collaboration with TATA Medical Center, Kolkata is offering Joint M.Sc.-Ph.D. Programs in 3 courses (a) Molecular Medical Microbiology, (b) Medical Physics\* and (c) Nuclear Medicine\* for the academic year 2019-2020. These programs are aimed at training qualified bachelor students with the advance cutting edge medical, biological and technological skills for specialized cancer care towards developing world-class scientists.

### Courses

Molecular Medical Microbiology

Nuclear Medicine\*

Medical Physics\*

\*awaited Atomic Energy Regulatory Board (AERB) approval

### Admission Procedure

Joint MSc-PhD programs: JAM2019

### Eligibility

Please visit the JAM2019 webpage for details

### Course structure

Joint MSc-PhD programs

Molecular Medical Microbiology (MSc) : 2 years

Nuclear Medicine (MSc) : 2 years

Medical Physics (MSc) : 3 years(2 years and additional mandatory 12 months internship in a relevant hospital setting)

PhD in all 3 disciplines : According to IIT Kharagpur rules

**Molecular Medical Microbiology students will spend alternate semesters, while Nuclear Medicine and Medical Physics students will spend alternate years at IIT Kharagpur and TMC Kolkata.**

### Research Areas (SMST, IIT Kharagpur)

Bio-MEMS & Sensors, Cancer Research, Regenerative Medicine, Biomedical Instrumentation & Rehabilitative Medicine, Microfluidics & Point of Care Diagnostics, Cardiovascular Research, Biomaterials, Immunology and Immunotherapeutics, Biostatistics, Clinical and Epidemiological research, Biomarkers and Clinical Research Lab, Herbal Medicine, Medical Imaging & Image Analysis.

### Web links

SMST : <http://iitkgp.ac.in/department/MM>

<http://smst.iitkgp.ac.in/>

JAM : <http://jam.iitkgp.ac.in/>