

ABOUT US

NATIONAL INSTITUTE OF TECHNOLOGY, ROURKELA

NIT Rourkela is an institute of national importance formerly known as Regional Engineering College, Rourkela. It is a premier institution in Odisha, offering technical education and ranked 15th and 24th in NIRF engineering and research, respectively. Our institute offers PhD, M.Tech., B.Tech., MBA, and M.Sc. programmes in 21 branches of Engineering, Management and Science. The institute research centers are engaged in consultancy, research and developmental activities and have received funding from several bodies such as BARC, BRNS, CSIR, DST, DBT, DAE, DRDO, ISRO, ICMR and other private industries.

The Department of Life Science was founded in the year 2008 and has a total of twelve faculties currently working on the forefront areas of life science like molecular medicine, nanotechnology, RNA biology, plant immunity, molecular genetics, microbial ecology, developmental biology etc. Our department offers Integrated M.Sc., M.Sc., and PhD programs in life science. We have state-of-the-art research facilities and produce numerous quality publications annually. Our students are placed well in many private organisations, and many opt for higher education in renowned foreign universities/institutions and various research institutions across the country after qualifying for JRF.

ORGANISING COMMITTEE

PATRON

Prof U.M. Rao,
Director, NIT Rourkela, Odisha

CHAIRPERSON

The Head,
Department of Life Science

CONVENER

Dr Bibekanand Mallick,
Department of Life Science

CO-CONVENER

Dr M Srinivasan,
Department of Life Science

REGISTRATION FEE

PG STUDENTS: RS. 4000/-

PHD STUDENTS: RS. 6000/-

ACCOMPANYING PERSON: RS. 2000/-

(LIMITED SEATS ONLY)

Registration fees should be bank transferred through UPI/NEFT/IMPS to the following

Account Number (Name): 10138951784
(CONTINUING EDUCATION NIT ROURKELA)

IFSC Code: SBIN0002109

Bank & Branch Name: SBI, NIT Campus, Rourkela

Important Dates:

The last Date for receipt of the application:
30th June 2023

CONTACT US

The Convener,
MAGTICS-2023



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MAGTICS 2023

DEPARTMENT
OF LIFE
SCIENCE

NATIONAL INSTITUTE OF
TECHNOLOGY,
ROURKELA

WORKSHOP ON MOLECULAR AND GENOMIC TECHNIQUES IN CANCER STUDIES



JULY 24 - 28, 2023

Venue: Seminar Hall, Department of Life
Science, NIT Rourkela

ABOUT WORKSHOP

The Department of Life Science, NIT Rourkela, is organising a five-day Workshop on "MOLECULAR AND GENOMIC TECHNIQUES IN CANCER STUDIES (MAGTICS-2023)" from 24th-28th July 2023. This workshop is designed to educate and impart technical knowledge to the graduate/post-graduate and early-career Ph.D. students on key molecular biology and genomics techniques needed for pursuing cancer research and provide them access to experienced scientists with expertise in cancer research, which will help to form a strong foundation for burgeoning cancer researchers. Led by a team of experts in the field, this five-day workshop aims to integrate instructional videos, special guest lectures, live presentations, live demonstration sessions, hands-on sessions, and real-data analyses practices to impart knowledge on widely used laboratory techniques as well as genomics approaches used for understanding cancer and find possible therapeutics. This workshop will aid the participants in putting concepts into practice.

WHO CAN APPLY?

Post graduate and PhD students of Life science/ Biotechnology / Zoology / Botany / Biomedical Genetics / Human Genetics / Biochemistry and Molecular Biology

OUR GOAL

- Introducing the basic and advanced concepts of cancer biology and challenges through expert lectures
- Applying molecular techniques for studying oncogenic properties of cancer cells through live demonstrations and hands-on training
- Impart knowledge of molecular genetics techniques in cancer studies
- Clinical applications and live demonstration and hands-on session of analysis of next-generation sequencing data from cancer genomics and epigenomics studies and other high-end genomic tools and databases for cancer biomarker discovery and possible therapeutics.

HOW TO APPLY?

Interested candidates can apply to the convener along with a duly filled-up registration form on or before June 30th, 2023. The registration form can be assessed at

<https://forms.gle/Uw9KZproC8S9sR6U7>

The application should be accompanied by a bonafide certificate issued by the head of the department or by the supervisor in the case of research scholars.

The organizer deserves the right to scrutiny and selection of the candidates based on the criteria mentioned above.

Accommodation

BASED ON AVAILABILITY, ACCOMMODATION WILL BE PROVIDED TO THE OUTSTATION PARTICIPANTS ON A SHARING BASIS WITHIN THE CAMPUS (INCLUDED IN REGISTRATION FEES).

Modules of Workshop



Animal cell culture of Cancer cells



Expression Profile of Genes in human cancer



Molecular study of oncogenesis events in cancer



NGS and its application in cancer



Molecular genetics techniques for cancer