

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 that offers technical education. Our institute provides PhD, M.Tech., B.Tech., MBA, and M.Sc. programmes in 21 Engineering, Management, and Science branches. The institute's research centres are engaged in consultancy, research and developmental activities and have received funding from numerous government agencies and private industries.

The Department of Life Science was founded in 2008 and has thirteen faculties 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 JRF.

Registration Fees

Early (Till 15th July)

UG&PG students: Rs 4000/-

PhD Students: Rs 6000/-

Late (Till 15th August)

UG&PG students: Rs 5000/-

PhD Students: Rs 7000/-

ORGANISING COMMITTEE

PATRON

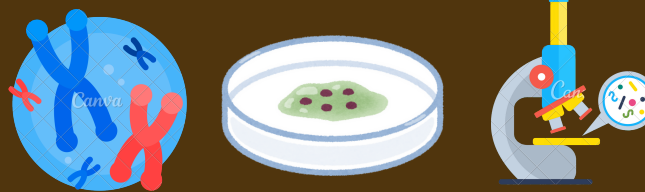
Prof U.M. Rao,
Director, NIT Rourkela, Odisha

CHAIRPERSON

Dr Bismita Nayak, HOD,
Department of Life Science

CONVENERS

Dr Bibekanand Mallick
Dr M Srinivasan



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

More Information

The Convener,
MAGTICS-2024

9178096433, 9621429923
vivek.iitian@gmail.com, srinimbt@gmail.com

Important Dates:

The last Date for receipt of the application:
15th August 2024

Work shop on MAGTICS 2024



Molecular And Genomic Techniques In Cellular Studies September 2-6, 2024

Organised by
Department of Life Science,
National Institute of Technology,
Rourkela, Odisha

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 CELLULAR STUDIES (MAGTICS-2024)” from 2nd-6th September 2024. 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 cellular research and provide them access to experienced scientists with expertise in the field, which will help to form a strong foundation for burgeoning 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 cellular mechanism and find possible therapeutics. This workshop will aid the participants in putting concepts into practice.



Our Goals

- Introducing the basic and advanced concepts of cellular biology and challenges through expert lectures.
- Applying molecular techniques for studying cellular events in animal cells through live demonstrations and hands-on training
- Impart knowledge of molecular genetics techniques.
- Clinical applications, live demonstration, and hands-on sessions of analysis of next-generation sequencing data from genomics and epigenomic studies and other high-end genomic tools and databases for discovering possible therapeutics.



How to apply?

Interested candidates can apply to the convener via online registration on or before 15th August 2024.

The online registration form can be assessed at

<https://forms.gle/zxpG8X9uz7okN2iq9>

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.

Who can apply?

Undergraduate, Postgraduate and PhD students of Life science/ Biotechnology / Zoology / Botony / Biomedical Genetics / Human Genetics / any Biological sciences

Travel Support

Travelling allowance may be provided to the participants based on the availability of fund. The initiation will be given after the completion of workshop



Accommodation

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 techniques



Gene cloning and expression profiling techniques



Molecular study of oncogenesis events



NGS and CADD in modern-era research



Molecular genetics techniques