ABOUT NIT ROURKELA

National Institute of Technology (NIT) Rourkela was founded as Regional Engineering College, Rourkela in 1961. It is one of the premier institute of national importance for technical education in the country, funded by the Ministry of Education. The Institute provides quality education in a diverse and multi-cultural environment. Times Higher Education has figured NIT Rourkela in the group of 1000-1200 in World University Ranking 2024. NIT Rourkela has been ranked in between 281-290 in QS Asia University Ranking in 2023. In 2024, NIT Rourkela ranked 19 in NIRF Engineering, 30 in NIRF Research and 34 in NIRF Overall. Apart from UG and PG courses, NIT Rourkela also offers Ph.D. and M. Tech by Research program. The institute research centers are engaged in consultancy and research activities of several bodies such as DST, DAE, CSIR, DRDO, BARC, ISRO and private industries. The Department of Life Science was established in 2008 and presently has twelve faculties that focus on cutting-edge areas of life science, including cancer biology, molecular genetics, RNA biology, microbial ecology, nanotechnology, developmental biology and plant immunity. We provide Integrated M.Sc., M.Sc., Ph.D. and programs in life science at our department. Our cutting-edge research facilities enable us to create a large number of high-caliber articles every year. Our students are highly placed in numerous private firms, and many choose, upon qualifying for JRF, to pursue further studies at esteemed foreign universities and research centers across the nation.

ORGANISING COMMITTEE

PATRON

Prof. K. Umamaheshwar Rao
Director, NIT Rourkela, Odisha

CHAIRPERSON

Prof. Bismita Nayak
HOD, Department of Life Science

CONVENOR

Prof. Bijesh Kumar Biswal
Department of Life Science

TREASURER

Prof. Gajanan Kendre
Department of Life Science

REGISTRATION DETAILS

REGISTRATION FEE: ₹4000/-

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

Registration Begins: 20th December 2024
Registration Closes: 31st January 2025

Accommodation will be provided to the participants in the hostels on a sharing basis subject to availability.

CDRL
CANCER DRUG RESISTANCE LABORATORY
DEPARTMENT OF LIFE SCIENCE

NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA

CaTBiCA-2025

WORKSHOP ON

CANCER CELL CULTURE TECHNIQUES FOR BASIC AND CLINICAL APPLICATIONS

FEB 10th - 14th 2025

ABOUT WORKSHOP

The Department of Life Science, NIT Rourkela, is hosting a five-day Workshop on "CANCER CELL CULTURE TECHNIQUES FOR BASIC AND CLINICAL APPLICATIONS (CaTBiCA-2025)" from 10th-14th February 2025. This workshop aims to provide post-graduate and early-career Ph.D. students with the technical knowledge and training on cancer biology and cell culture techniques necessary for pursuing cancer research. It also gives them access to eminent scientists with expertise in this field, which will help to build a solid foundation for future cancer researchers. This five-day workshop, which is led by a team of experts, aims to combine lectures by eminent scientists, visual aids, live demonstrations, practical instruction, and data analysis techniques to teach cancer cell culture techniques and laboratory applications that are used to understand cancer and potentially find treatments. This course will help the participants to apply concepts in their future research career.

CONTACT US

The Convenor
CaTBiCA - 2025

Department of Life Science
National Institute of Technology Rourkela, Odisha, India-769008

biswalb@nitrkl.ac.in, cdrlnitrkl@gmail.com

0661-2462785

OUR AIM

- Introduction of the fundamental and advanced ideas of cancer biology and issues through expert talks.
- Mastering cell culture techniques including proper maintenance, passaging, and management of cells in-vitro.
- Developing hands-on skills in various molecular techniques and result analyses used in cancer research.
- Overcoming major challenges, recent breakthroughs, and trends in cancer research.
- Identify common problems and pitfalls encountered in cancer cell culture studies, such as contamination, variability, and experimental artifacts, and learn troubleshooting ideas to overcome these obstacles.

HOW TO REGISTER

Eligible students can apply directly to the Convenor through a duly filled-up registration form before the closing date. The registration form can be assessed through the below link or by scanning the QR code.
The application should be accompanied by a student ID-card showing the affiliation.

https://forms.gle/NEFaUfriqSzEz3J37

Only 25 Participants would be allowed

ELIGIBILTY

Post-graduate and Ph.D. students from any branch of Life Science

The convenor deserves the right to scrutiny and selection of the participants based on the criteria mentioned above.

HIGHLIGHTS OF WORKSHOP

- Live Demonstration Sessions
- Mammalian Cell Culture Techniques
- Molecular Assays in Cancer Studies
- Practical Hands on Training Sessions