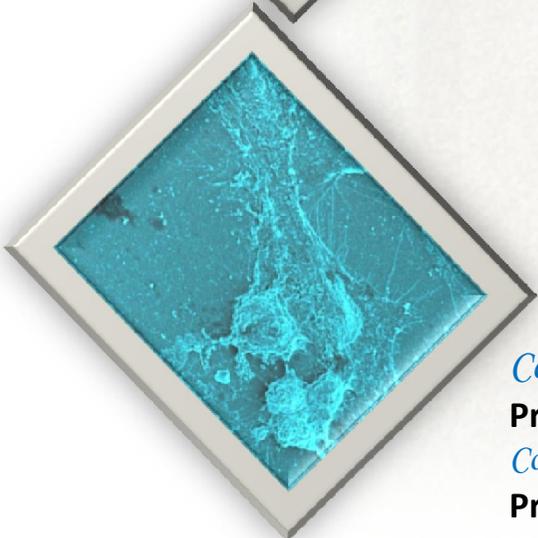
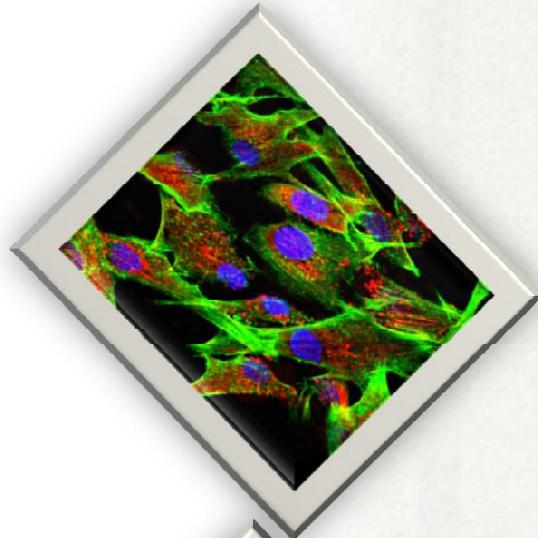




7-Days Workshop on

ANIMAL CELL CULTURE (ACC-2017)

November 19- 25, 2017



Department of
Biotechnology and Medical Engineering,
National Institute of Technology, Rourkela

Convenor

Prof. I. Banerjee

Co-Convenor

Prof. K. Pal

About the workshop

After the overwhelming success of ACCBC-2016, we are excited to announce the second edition of the workshop namely 'ACC-2017'. Here, emphasis will be given on the basic and applied aspect of animal cell culture. This workshop aims to provide hands-on training on several techniques used in animal cell culture. The workshop is specifically designed to confer a benefit to the attendees working in the field of biomaterial, tissue engineering, regenerative medicine, nano-materials, cancer biology, and toxicology.

Key learning objectives

Fundamentals of animal cell culture

- Basics of sub-culture
- Cryopreservation of cells
- Revival of cells

Characterization of cells

- Confocal Microscopy
- Environmental Scanning Electron Microscopy
- Flow Cytometry
- Biochemical assay

Encapsulation of cells

- Physico-chemical characterization of the encapsulation matrices
- Encapsulation of cells in the matrices
- Harvesting of the encapsulated cells
- Characterization of harvested cells

Cell –biomaterial interaction

- Cell adhesion, viability and proliferation
- Cell migration
- Cell death (apoptosis and necrosis)

Special training module for in-depth data analysis and data representation

Potential attendees

- Students
- Research scholars
- Young faculty and scientists
- Industry personnel
- Laboratory professionals

Resource Persons

Prof. I. Banerjee (M. Tech., Ph. D.)
Assistant professor, NIT Rourkela
Guest Scientist, Max Planck Institute of Intelligent system, Stuttgart, Germany

Prof. K. Pal (M. E., Ph. D.)

Assistant professor, NIT Rourkela
Ex -Research Scientist
Ryerson University, Toronto, Canada

Dr. S. K. Mallick (M.Sc. , Ph. D.)

Chief Scientist
Cytometry Solution Pvt. Ltd. ,Kolkata

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Biotechnology & Medical Engineering,
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Odisha 769008, India

The Institute

National Institute of Technology, Rourkela is an **Institute of National Importance** for technical education established by the Government of India. NIT Rourkela is a prestigious institute with a reputation for excellence in research and education at undergraduate, postgraduate and doctoral levels.

The Department

The Department of Biotechnology and Medical Engineering was established in 2007. The department is presently offering B. Tech., M. Tech. and Ph. D. degree in Biotechnology and Medical Engineering. The faculty members have diverse research interests and they conduct both basic and applied research in diverse areas like Cell & Molecular Engineering, Tissue Engineering & Biomaterials, Bioprocess Engineering, Environmental & Plant Biotechnology, Biomechanics & Biotransport Engineering, Medical Electronics & Instrumentation etc. The department is having a number of state of art laboratory well equipped for basic and applied research.



Registration fees

- Personnel from Industry & R&D Organizations: Rs. 15,000/-
- Faculties from Educational Institutions: Rs. 12,000/-
- Research Scholars and Students: Rs. 10,000/-

*Registration fee includes Conference Kit, Food (Breakfast, Lunch, Dinner) during the workshop days and accommodation on sharing basis in the institute guest house (subjected to availability).

The registration fees can be paid by the demand draft in favour of CONFERENCE, NIT Rourkela, Payable at SBI Rourkela, Branch name: REC campus, IFSC code: SBIN0002109.

Registration Particulars

The application form should be filled online using the link given below on or before Sep 13th, 2017. The applicants are requested to send the hardcopy of the application form along with the draft to the mailing address provided below by Sep 20th, 2017. The selection of the candidature will be done by the organizing committee. The selected candidates will be informed by email on Oct 5th, 2017. The draft of the non-selected candidates will be returned to their address by post. The registration fee will not be refunded in case of cancellation of registration by the selected candidate. The organizing committee is not responsible for any kind of problem in postal communication.

Registration:

<https://goo.gl/forms/hWhV28i0A9CpD3J03>

Mailing address:

Dr. Indranil Banerjee
Department of Biotechnology & Medical Engineering,
National Institute of Technology, Rourkela,
Odisha 769008, India

Organizing Committee

Patron:

Prof. A.K. Biswas, Director, NIT Rourkela

Organizing Committee:

Prof. M. K. Gupta, Head of the Department, (Chairman)
Prof. I. Banerjee, Convenor
Prof. K. Pal, Co-Convenor cum treasurer
Prof. K. Pramanik
Prof. S. Paul
Prof. A. Biswas
Prof. A. Thirugnanam
Prof. B. P. Nayak
Prof. N. Sarkar
Prof. S. S. Ray
Prof. D. Verma
Prof. A. Sarkar
Prof. N. Patra
Prof. P. Balasubramanian
Prof. K. Dutta

Sponsorship

Silver: Rs. 15000.00
Gold: Rs. 25000.00
Platinum: Rs. 40000.00
Platinum Plus: Rs. 50000.00

