

| DAY-4 | |
|-----------------|---|
| TIME | EVENTS |
| 9:30 - 10:30 am | Lecture by Guest Speaker |
| 10:30 - 3:30 pm | Hands on Session |
| | Lab-1 Lab-2 |
| | Participants: 1-15 Participants: 16-30 |
| 3:30 - 4:00 pm | High Tea |

| DAY-5 | |
|-----------------|--|
| TIME | EVENTS |
| 9:30 - 10:30 am | Lecture by Guest Speaker |
| 10:30 -12:30 pm | Panel Discussion and Exploring Employability Potential |
| 12:30 - 3:00 pm | VALEDICTORY FUNCTION |

Day 2-5 - Tea Break: 10:30 to 10:45 am; Lunch break 12:30 - 1:15 pm

Workshop Hands on Session

- 1.Mammalian cell culture- Media Formulation, Sterilization requirements and Reviving Mammalian cells
- 2.MTT Assay and Staining Assays
- 3.Isolation of PBMCs from human blood
- 4.Total RNA isolation from cultured mammalian cells

Organizing Committee

| | |
|----------------------|------------------------------|
| Chief Patron | Sri. S. Narasa Raju |
| | Sri. S.N.V.L. Narasimha Raju |
| Patron | Dr. R. Kavyashree |
| Organizing Secretary | Dr. P.B. Raghavendra |
| Executive Committee | Dr. Abdul Nayeem |
| | Dr. Shivaji Bole |
| | Mrs. Mamatha J |
| | Mrs. Garima V |
| | Ms. Chitra Y |
| | Ms. Divya S. Aind |



CHILDREN'S EDUCATION SOCIETY
THE OXFORD COLLEGE OF SCIENCE
Department of Biotechnology



Organizes

Workshop on **Advances in *In-vitro* Cell culture and Functional Applications** *6th - 10th July, 2015*



Faculty Development Programme
Sponsored by
Department of Biotechnology
Ministry of Science and Technology
Government of India, New Delhi

About The Oxford College of Science

The Oxford Educational Institutions was established in the year 1974 by S. Narasa Raju, Chairman under the aegis of Children's Education Society (Regd.). It made a humble beginning with 24 students and 2 teachers. The Oxford Educational Institutions has grown into 33 vibrant schools and colleges with 20,000 students and 2700 faculty members. Today The Oxford Educational Institutions has more than 85 academic streams.

The Oxford College of Science is accredited by NAAC with 'A' Grade, Certified by International Accreditation Organization (IAO). It is permanently affiliated to Bangalore University and is also recognized by UGC under section 2(f) and 12(B).

About Department of Biotechnology

The Biotechnology department was incepted in 1999 with UG and PG courses. The Department of Biotechnology of The Oxford College of Science has been ranked 8th among the top ten Biotech Schools in private sector in India, as per the recent survey conducted and published in BIOSPECTRUM, a leading Biotechnology magazine.

The faculty members have published more than 70 research papers in last five years. The Department of Information Technology and Biotechnology (IT/BT), Govt of Karnataka has sanctioned The Biotechnology Finishing School (BTFS) to the College for academic and research development.

The Department of Biotechnology of The Oxford College of Science has been sanctioned the Research Centre Status by Bangalore University to pursue Ph.D. and research activities.

The Oxford Biotechnologist's Society conducts holistic activities for the benefit of students. An annual in-house magazine - BIOVISTAS is released since 2004 issues to provide a platform to students to display their writing skills, present papers and learn on the opportunities available to them for their future.

Workshop Overview

Current workshop offers a course to the faculties of various life science disciplines. The course introduces to the history, theory, and techniques of maintaining live cells in long-term culture. The combination of lectures and lab experiences will be designed to demonstrate cell biology in both theory and practice. The course introduces the laboratory techniques that are currently being used to establish, culture, and characterize cell lines in the TOCS Cell Repositories. Participants will process peripheral blood samples to obtain mononuclear cells used to establish primary cell lines and validate through the functional assays. Lecture sessions will be used to supplement the laboratory experience by providing the theoretical basis for the laboratory activities and to place laboratory techniques in a broader context of cell banking activities. Major goals of this course are to develop an appreciation of cell culturing as a fundamental skill in bio-medical research and to provide qualified cell culturists to the scientific community.

The department boasts of well equipped labs, Clean room for animal cell culture and a research lab to facilitate research activities by students as well as by faculty. The major instruments with the department are - Gradient PCR, Gel documentation system, ELISA reader, Lyophilizer, Fluorescent Microscope, CO₂ incubator, as well as the regular instruments. Hence with all the sophisticated infrastructure and specialized faculty in the respective *In-vitro* culture and expertise would be an excellent platform for the participants to gain hands on training course aims at imparting practical knowledge and applications towards the modern trends of biotechnology.

List of Speakers:

Prof. PSP Gupta, NIANP, Bangalore

Dr. Rajendra Kumar P, Aurigene Discovery Technologies Ltd., Hyderabad

Dr. Narendra Maddu, SKU, Anantapur

Prof. Anirban Chatterjee, TODC, Bangalore

Registration Fees: Please submit Registration form and Proceed for payment only after Email confirmation.

| | | |
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| Faculty Members/ Scientists and Lecturers | Before 25 th June, 2015 Rs. 1500/- | After 25 th June, 2015 Rs. 2000/- Limited |
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Accommodation facility is provided on request for Rs. 500/- per day on sharing basis

the outstation delegates

*Payment should be made through Demand Draft in favour of 'The Oxford College of Science (Research)', payable at Bangalore or Online Money Transfer through NEFT in the following Account :

| | | |
|-----------------|---|--|
| Name | : | The Oxford College of Science (Research) |
| A/C Number | : | 140501011005237 |
| Bank and Branch | : | Vijaya Bank, Branch, HSR Layout, Bangalore- 560102 |
| IFSC Code | : | VIJB0001405 |

Participant's Profile

Faculty Members/Scientists and Lecturers of Academic Institutes and Research Centers.

Important Dates:

25th June 2015 - Last Date for Submitting Registration form and Fees payment.
6th - 10th July 2015 - Work shop Dates.

**Venue: Department of Biotechnology
The Oxford College of Science, Sector IV,
No. 32, 17th B Main, HSR Layout, Bangalore 560102**

All the Correspondence should be sent to
The Organizing Secretary,
Department of Biotechnology,
The Oxford College of Science,
17th, B Main Sector IV, HSR Layout,
Bangalore-560102
Email: raghavbiot@gmail.com
Mobile: +91 7760400507

Programme Schedule

| DAY-1 | | |
|------------------|-------------------------------------|------------------------------|
| TIME | EVENTS | |
| 10:00 - 10:30 am | Registration | |
| 10:30 - 10:35 am | Welcome Address - Principal Address | |
| 10:35 - 10:45 am | About Workshop | |
| 10:45 - 11:00 am | Address by Executive Director | |
| 11:00 - 11:15 am | Address by Chief Guest | |
| 11:15 - 11:30 am | Tea Break | |
| 11:30 - 12:30 pm | Special Lecture by Guest Speaker | |
| 12:30 - 1:15 pm | Lunch Break | |
| Hands on Session | | |
| 1:15 - 3:30 pm | Lab-1 Participants: 1-15 | Lab-2 Participants: 16-30 |
| 3:30 - 4:00 pm | High Tea | |
| DAY-2 | | |
| TIME | EVENTS | |
| 9:30 - 10:30 am | Lecture by Guest Speaker | |
| Hands on Session | | |
| 10:30 - 3:30 pm | Lab-1 Participants: 1-15 | Lab-2 Participants: 16-30 |
| 3:30 - 4:00 pm | High Tea | |
| DAY-3 | | |
| TIME | EVENTS | |
| 9:30 - 10:30 am | Lecture by Guest Speaker | |
| Hands on Session | | |
| 10:30 - 3:30 pm | Lab-1 Participants: 1-15 | Lab-2 Participants: 16-30 |
| 3:30 - 4:00 pm | High Tea | |