PRESENTS

A 2-DAY WORKSHOP ON

HANDS-ON TRAINING ON CELL CULTURE TECHNIQUES AND CYTOTOXICITY ASSAYS

17th-20th March, 2015
Cell culture technology occupies a crucial place in all areas of biomedical sciences and healthcare research. Cell culture products have contributed immensely to the production of vaccines and therapeutics. Training in this area can be a definite advantage to graduate and postgraduate students who want to pursue industrial or research careers in biotechnology, immunology, virology or related disciplines.

This workshop aims to impart basic hands-on training in cell culture assays to graduate and postgraduate students. It will also include lectures on cell culture and laboratory biosafety that will impart a clear understanding of the principles and methodology of cell culture.

WORKSHOP HIGHLIGHTS

- A platform to understand handling of cells in vitro
- Students will learn to perform cell viability assays
- Hands on training on performing cytotoxicity
- Training on biosafety

REGISTRATION

Faculty ₹ 1500.00
Students ₹ 1000.00

Last date of registration: 10th March 2015.

Registrations received after this date will be declined. All registrations are on first come first served basis. No spot registrations.

Mode of Payment: Multi-city cheque/Demand Draft in favour of “Amity University Uttar Pradesh”, payable at Noida.

The training will be for 2 days in 3 groups of 30 each. Each participant will be informed in advance of his/her group.

Participants must bring their own clean lab coat which is mandatory.
<table>
<thead>
<tr>
<th>Date</th>
<th>Session I 9:30 - 11:00 hrs.</th>
<th>Session II 11:15 - 17:30 hrs.</th>
<th>Session III 9:30 - 11:00 hrs.</th>
<th>Session II 11:15 - 17:30 hrs.</th>
<th>Session III 9:30 - 11:00 hrs.</th>
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| 1st Day: March 17, 2015 | Lecture Session (Group I)  
• Basics of Cell Culture  
• Laboratory Biosafety  
Tea Break 11:00 – 11:15 hrs. | Practical Session (Group I)  
• Handling animal cell tissue culture apparatus  
• Cell line handling  
• Assessment of cell viability  
Lunch Break: 13:30 – 14:30 hrs.  
Tea Break: 16:30 – 16:45 hrs. | Lecture Session (Group II)  
• Cytotoxicity Assays  
Tea Break 11:00 – 11:15 hrs. | Practical Session (Group II)  
• Cell counting  
• Cell proliferation assay  
• Cytotoxicity assay  
Lunch Break: 13:30 – 14:30 hrs.  
Tea Break: 16:30 – 16:45 hrs. | Practical Session (Group III)  
• Handling animal cell tissue culture apparatus  
• Cell line handling  
• Assessment of cell viability  
Lunch Break: 13:30 – 14:30 hrs.  
Tea Break: 16:30 – 16:45 hrs. |
| 2nd Day: March 18, 2014 | Lecture Session (Group I)  
• Basics of Cell Culture  
Tea Break 11:00 – 11:15 hrs. | Practical Session (Group I)  
• Handling animal cell tissue culture apparatus  
• Cell line handling  
• Assessment of cell viability  
Lunch Break: 13:30 – 14:30 hrs.  
Tea Break: 16:30 – 16:45 hrs. | Lecture Session (Group II)  
• Cytotoxicity Assays  
Tea Break 11:00 – 11:15 hrs. | Practical Session (Group II)  
• Cell counting  
• Cell proliferation assay  
• Cytotoxicity assay  
Lunch Break: 13:30 – 14:30 hrs.  
Tea Break: 16:30 – 16:45 hrs. | Practical Session (Group III)  
• Handling animal cell tissue culture apparatus  
• Cell line handling  
• Assessment of cell viability  
Lunch Break: 13:30 – 14:30 hrs.  
Tea Break: 16:30 – 16:45 hrs. |
| 3rd Day: March 19, 2014 | Lecture Session (Group I)  
• Basics of Cell Culture  
Tea Break 11:00 – 11:15 hrs. | Practical Session (Group I)  
• Handling animal cell tissue culture apparatus  
• Cell line handling  
• Assessment of cell viability  
Lunch Break: 13:30 – 14:30 hrs.  
Tea Break: 16:30 – 16:45 hrs. | Lecture Session (Group II)  
• Cytotoxicity Assays  
Tea Break 11:00 – 11:15 hrs. | Practical Session (Group II)  
• Cell counting  
• Cell proliferation assay  
• Cytotoxicity assay  
Lunch Break: 13:30 – 14:30 hrs.  
Tea Break: 16:30 – 16:45 hrs. | Practical Session (Group III)  
• Handling animal cell tissue culture apparatus  
• Cell line handling  
• Assessment of cell viability  
Lunch Break: 13:30 – 14:30 hrs.  
Tea Break: 16:30 – 16:45 hrs. |
| 4th Day: March 20, 2015 | Lecture Session (Group I)  
• Basics of Cell Culture  
Tea Break 11:00 – 11:15 hrs. | Practical Session (Group II)  
• Cell counting  
• Cytotoxicity assay  
Practical Session (Group III)  
• Handling animal cell tissue culture apparatus  
• Cell line handling  
• Assessment of cell viability  
Lunch Break: 13:30 – 14:30 hrs.  
Tea Break: 16:30 – 16:45 hrs. | Lecture Session (Group II)  
• Cytotoxicity Assays  
Tea Break 11:00 – 11:15 hrs. | Practical Session (Group II)  
• Cell counting  
• Cell proliferation assay  
• Cytotoxicity assay  
Lunch Break: 13:30 – 14:30 hrs.  
Tea Break: 16:30 – 16:45 hrs. | Practical Session (Group III)  
• Handling animal cell tissue culture apparatus  
• Cell line handling  
• Assessment of cell viability  
Lunch Break: 13:30 – 14:30 hrs.  
Tea Break: 16:30 – 16:45 hrs. |

SCHEDULE

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Today the Group comprises of 8 Universities; 18 schools and 11 overseas campuses across London, Singapore, Dubai, New York, California, Mauritius, China, Abu Dhabi, South Africa and Romania, amongst others.

Amity’s relentless pursuit of excellence is reflected in its steadfast commitment towards cutting-edge research and innovation. For instance, Amity in the last four years has filed over 578 patents, which as per the Annual Report of the Controller General of Patents, Govt. of India, is by far the highest number of patents filed by any Indian University. It is also engaged in conducting over 300 hi-end Government funded as well as international research projects including those funded by Bill & Melinda Gates Foundation, USAID, and Leverhulme Trust, UK.

Amity’s unwavering focus on research and innovation, globally benchmarked infrastructure, and teaching pedagogy, has led to the University being awarded the highest ‘A’ grade accreditation by NAAC (National Assessment & Accreditation Council) - a distinction awarded to only 10% of Indian Universities.

Amity Institute of Virology and Immunology (AIVI) is dedicated to the study of biology of human, animal, plant and aquatic viruses, the pathogenesis of viral diseases, the immune response towards organisms and related problems. AIVI has a highly qualified, experienced and dedicated faculty, committed towards the cause of teaching and extensive training in all the related advanced techniques. The faculty of AIVI is also committed to conduct research in basic and applied virology and immunology to advance the understanding, mechanism of disease initiation and progression as well as the mechanisms involved in the control of disease processes.

AIVI runs M.Sc.-Virology, M.Sc.-Immunology, Ph.D.-Virology & Ph.D.-Immunology programmes. To give students more exposure to the latest developments in the field of Virology & Immunology, AIVI has entered into collaboration with the leading laboratories and R&D centers of the corporate sector.