About the Course
The techniques of molecular biology and stem cell research, has revolutionised our understanding of human diseases and their pathologies. These developments have made unprecedented contributions in designing novel molecular tools for effective diagnosis and treatment of human diseases. It is therefore essential to master these techniques for understanding of human disease pathogenesis at molecular level with a special emphasis on cancer.

Contents
The course consists of -
- **30 hours of practical** training, experimental laboratory work and tutorials by Internationally trained faculty and instructors of Amity Institute of Molecular Medicine and Stem Cell Research
- **10 hours of lectures** provided by highly experienced specialist scientists on above aspects including most advanced techniques such as NGS and gene editing
- **Panel Discussion sessions with experts** on molecular biology & stem cell research in cancer and regenerative medicine

Who should attend?
- Bachelors, Masters & PhD Students of Life Sciences, Biotechnology & all allied biomedical sciences
- Early Career Scientists
- Health Professionals & Clinicians
- Industry Professionals

Highlights:
- Hands on practical training & tutorials
- Lectures by expert scientists
- Interaction with panel of expert scientists & clinicians
- Certificate of attendance to be provided

Hands-on Training & Practicals
- DNA, RNA & Protein Extraction and Quantification
- Agarose & Protein Gel Electrophoresis
- DNA and RNA PCR
- Real-Time PCR
- miRNA Isolation and qRT-PCR
- Western Blotting and Band Shift Assay
- Cell Survival (MTT) Assay
- Wound Healing and Migration Assay
- Tissue Culture Techniques
- Stem Cell Identification and Isolation by FACS
- Stem Cell Culture & Characterization
- Cell Cycle Analysis by Flow Cytometry

Registration fees*
Indian Nationals: 10,000 INR /participant
Foreign Nationals: 20,000 INR /participant

Interested participants can apply by sending the completed registration form at bcdas@amity.edu and submit the fees by electronic transfer or by demand draft in favour of Amity University, Uttar Pradesh Bank details for transfer will be shared upon request.

*The registration fees include course kit, lunch and snacks. The expenses towards the travel shall be borne by the participants themselves. Accommodation for outstation participants is available in University in-campus hostels at nominal charges. Details can be provided upon request. A training certificate will be awarded upon completion of the workshop.
Registration Form

First Name: ___________________________ Surname: ___________________________

Gender: Male ( ) Female ( ) Birth date (dd/mm/yyyy): ___/___/____

Current Position: ___________________ Institution/Organization: ___________________________

Mailing Address: ________________________________________________________________
_______________________________________________________________________________

Mobile Number: ___________________________ E-mail: ___________________________

- Number of participants is limited to 15.
- Registration fee includes high Tea and lunch on all days of the workshop
- Registration fee for Indian nationals: INR 10,000/- and for Foreign nationals: INR 20,000/-
- Payment can be made with DD in favor of “Amity University, Uttar Pradesh”.
- Payment can also be made online. Please contact us for the details of online payment.
- Complete application with registration fee should reach on or before 31st May 2017 to
  the following address via post or email.

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