

**Genexplore Diagnostics &
Research Centre Pvt. Ltd.**



Genexplore Diagnostics & Research Centre Pvt. Ltd., was established in the year 2013 and committed in catering the growing need as well as delivering the best of technologies for clinicians' disposal. With the help of state of art facility and high-end instrumentations, along with a decade long experience in clinical genetics we help clinicians to unravel the molecular and genetic cause of manifestations.

We are in capacity to cater complete spectrum of Genomics from basic Karyotype, FISH, Single gene disorders, Infectious disease, Microarray based analysis and NGS based panel studies. Our infrastructure and resource are dedicated for cytogenetic and molecular diagnostics and we focus on current as well as future need of genetic diagnosis.

Vison

At Genexplore we strive to see that benefit of modern scientific advancement should reach up to the last man, by establishing functional nexus with healthcare provider and researcher to cater their diagnostic and academic need.

AOZ Association of Zoologists



AOZ Association of Zoologists is the most representative and prominent Association of Zoologists to disseminate knowledge of contemporary development in the field of animal science. AOZ strengthens the bonds between Zoology professionals and other allied subjects. This association provides a unique opportunity for young students, researchers, and faculties to interact with mentors and scientists of eminence and, to gain a hands-on experience in basic and applied disciplines of Zoology. Aspiring Zoologists are welcome to be a part of this association and to participate in diverse academic and research-oriented programs.



Registration Form:

Hands-on Training on

**Mammalian Cell Culture
Techniques**

4th - 6th May, 2023

Name: _____

Qualification: _____

Designation: _____

Department: _____

Organization: _____

Address for correspondence: _____

Phone: _____

Email: _____

Please send the completed registration form to:

Genexplore Diagnostics & Research Centre Pvt. Ltd.

1201-1210, 12th Floor, Iconic Shyamal, Shyamal Cross Road,
Ahmedabad-380015, Gujarat, India

Please send the scanned copy of the application form to

Email: academic@genexplore.co.in

Phone: +91 8200336646

A three days Hands-on Training on

Mammalian Cell Culture Techniques

on 4th to 6th May-2023



ORGANIZED BY
Genexplore Diagnostics & Research Centre Pvt.
Ltd., Ahmedabad
In association with
AOZ Association of Zoologists



Diagnostics & Research Centre Pvt. Ltd.



Introduction:

Animal cell culture techniques is most widely used as model system to study basic cell biology and biochemistry, interactions between cells and disease forming agents and the effects of drugs. They have important application in generation of monoclonal antibodies and vaccine. It has been widely used for studying cancer biology, neurodegenerative diseases, cartilage regeneration, diabetes, virology, extraction of genetically engineered proteins, toxicity studies and drug screening and development. Most recently animal cell culture has found a major application in personalize drug and gene therapy.

Objectives of the Workshop:

- To get well versed with the basic principles and practical handling of major techniques in cell culture.
- To get hands on experience on the instruments used in cell culture.

Who Should Attend:

Post Graduate students, Ph. D. scholars, Industry personnel, Researchers who aim to work proficiently in mammalian cell culture facilities

Coordinators:

- Dr. Alpesh Patel
- Dr. Shiva Shankaran
- Dr. Devendrasinh Jhala

Organizing Committee:

- Dr. Radhika Kedar
- Dr. Harsh Mistry

Highlights:

- Hands on practical sessions and explanation of major cell culture techniques
- Laboratory training from skilled resource person
- Planting and harvesting of mammalian cell
- Cryorevival and cryopreservation of cancer cell line
- Planting and passaging of cell line
- Cytotoxicity assay from adherent cells
- Planting, harvesting and slide preparation for human chromosome analysis
- GTG-banding and chromosomal identification
- Learning software for karyotyping



Registration:

Interested candidates are requested to send the completed application form on academic@genexplore.co.in or else they can scan QR code and fill registration form on or before 2nd May 2023.



QR code for
Registration form



QR code for
Fees payment

Registration link: <https://forms.gle/QV9x4PpDsaZD8yZy7>

Seats: 10 only

Fees Details

Students: Rs. 3000/-

Faculty members: Rs. 4000/-

Industry person: Rs. 5000/-

AOZ life members will get Rs. 500/- discount in above fees and to avail discount kindly contact us.

Fee includes training, registration kit, tea/coffee and lunch

Accommodations: Charged based accommodation can be provided

About the Workshop:

The workshop will include the critical and hands on practical sessions following:

Basic Techniques:

- Maintenance of Aseptic Environment
- Good Cell Culture Practice (GCCP)
- Confluency Determination
- Sub Culturing
- Cell Counting
- Cryopreservation (Freezing)
- Cryo revival (Thawing)

Cell Viability & Cytotoxicity:

- Viability Testing and Cell Counting
- MTT Assay

Karyotyping Technique:

- Planting and Harvesting
- Slide Preparation
- GTG-Banding
- Image Capturing using Software
- Analysis

Hurry Up, Limited seats:

To ensure effectual hands on training session, enrolment is limited to 10 participants only.

For further queries please contact:

Mob: +918200336646

Email: academic@genexplore.co.in

