



**FACULTY DEVELOPMENT CENTRE
(Human Resource Development Centre, UGC)
Guru Nanak Dev University, Amritsar**

**Organizing a National Workshop
ON**

“Animal Cell Culture”

May 8 – 14, 2018

Introduction: Animal cell culture is one of the major tools in basic as well as applied research. Cancer diagnostics/therapeutics, drug screening/development, immunology, stem cell biology, toxicity testing, virology are some of the important areas in which cell culture is being routinely used. However, cell culture requires a certain amount of skill and thorough understanding of cell culture technology. This workshop is designed to provide the same through theory sessions and lab exercises. This workshop will be highly beneficial to the attendees working in the field of biomaterials, nanomaterials, cancer biology, toxicology and other allied areas.

Objectives:

The workshop will cover the following:

- Aseptic techniques and good culture practices
- Media preparation
- Maintenance, Trypsinization, Passaging and cryopreservation of cell lines
- Cell counting and viability testing
- Coverslip cultures
- Cytotoxicity assay
- Confocal microscopy
- Metabolomic analysis in cell culture

The lecture sessions will be supplemented with the practical demonstrations as well as the problem solving sessions.

Travelling allowance will be reimbursed to the teaching faculty as per UGC guidelines. Free boarding & lodging will also be provided for the duration of the Workshop. Registration fee Rs. 500/.

For online submission of Application form/fee & further details, please visit our website: www.hrdcgndu.org)

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