

Workshop on Eukaryotic Cell Culture Techniques

28 April, 2015

Venue: Department of Microbiology and Molecular Genetics , University of the Punjab Lahore, Pakistan



1 Day
Hands-On
Training

Who Should Attend ?

- Undergraduates/Postgraduates/PhD students
- Laboratory Personnel
- Researchers

Training Methodology

- Comprehensive Lectures
- Demonstrations
- Individual/ group hands-on activities

Location

Department of Microbiology and Molecular Genetics,
University of the Punjab Lahore, Pakistan.

Course Outline

The workshop includes informal lectures and hands-on experience on basic eukaryotic cell culture techniques.

Lecture's Topics

- Introduction to primary cell culture.
- Isolation of PBMCs from human blood and subsequent dendritic cells and macrophage culture .
- Biosafety measures for primary cell culture.

Lab Exercise

- Isolation of peripheral blood mononuclear cells (PBMCs) from whole blood.
- Culturing PBMCs .
- Thawing and cryopreservation of PBMCs



ORGANIZATION

Patron In Chief

- Prof. Dr. Mujahid Kamran
Vice-chancellor, University of the
Punjab, Lahore.

Patron

- Prof. Dr. Anjum Nasim Sabri
Cheirperson , Microbiology and Molecular
Genetics, PU, Lahore.

Training Instructors

Lead Instructor

- Nousheen Zehra Zaidi (PhD)
Assistant Professor of Department of
Microbiology and Molecular Genetics, PU,
Lahore.

Lab Instructors

- Hina Usman (PhD Scholar)
- Fatima Ameer (PhD Scholar)
- Rida Rashid (PhD Scholar)
- Rimsha Munir (PhD Scholar)
- Muhammad Zaid (PhD Scholar)
- Areeb Iqbal (M.Phil Student)

REGISTRATION FORM

Dr./ Mr./Mrs./Ms

Education

Affiliation/Department

Field of interest

Address

Phone

Email

Signature

Registration Fees: 2000 PKR

Last date for Registration: 25 April, 2015

***Registration is limited to the first 15 participants.**

For registration and course details kindly contact

Rimsha Munir

Gene Lab

Department of Microbiology and Molecular Genetics, University of the Punjab
Lahore, Pakistan.

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Agenda

- Registration (8:30-9:00 am)
- Inauguration (9:00-9:30 am)
- Introduction to primary cell culture (9:30-10:10 am)
Speaker: Dr. Nousheen Zehra Zaidi
Venue: Committee Room

Time Slot	Group A	Group B
10:15-11:30 am	<p>Session : Isolation of PBMCs from human blood and subsequent dendritic cells and macrophage culture. Speaker: Rimsha Munir Venue: Committee Room</p>	<p>Lab Activity Tasks</p> <ul style="list-style-type: none"> • Isolation of PBMCs • Viability Assay • Culturing PBMCs <p>Instructor: Hina Usman & Areeb Iqbal Venue: Cell Culture Lab</p>
11:35-12:50 pm	<p>Lab Activity Tasks</p> <ul style="list-style-type: none"> • Isolation of PBMCs • Viability Assay • Culturing PBMCs <p>Instructor: Muhammad Zaid & Fatima Ameer Venue: Cell Culture Lab</p>	<p>Session : Isolation of PBMCs from human blood and subsequent dendritic cell s and macrophage culture . Speaker: Rida Rashid Venue: Committee Room</p>
12:55-2:00 pm	LUNCH & Prayer	
2:00-3:00 pm	<p>Session: Biosafety measures for primary cell culture. Speaker: Dr. Nousheen Zehra Zaidi Venue: Committee Room</p>	<p>Lab Activity Tasks Thawing and Cryopreservation of PBMCs Instructor: Hina Usman & Areeb Iqbal Venue: Cell Culture Lab</p>
3:00-4:00 pm	<p>Lab Activity Tasks Thawing and Cryopreservation of PBMCs Instructor: Muhammad Zaid & Fatima Ameer Venue: Cell Culture Lab</p>	<p>Session: Biosafety measures for primary cell culture. Speaker: Dr. Nousheen Zehra Zaidi Venue: Committee Room</p>
4:00-4:30 pm	Tea	