



Workshop on Lipidology (2 Day Hands-On Training)

16-17 November, 2016

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



Who Should Attend ?

Graduate students
Faculty Members
Researchers

Training Methodology

Comprehensive Lectures
Demonstrations
Individual/ group hands-on activities

Course Outline

The workshop includes informal lectures and hands-on experience on basic Lipidology techniques including Blood lipid profiles, Intracellular Lipid extraction and estimation.

Lecture's Topics

- Introduction to lipids.
- Lipidomics
- Significance of plasma lipid profiles.

Lab exercises

- Plasma lipid profiles.
- Total lipid extraction and estimation from:
 - Peripheral blood mononuclear cells
 - Cell lines
 - Tissues
- Intracellular lipid droplets staining.

Registration

Faculty Members : 2500 PKR

Graduate Students : 2000 PKR

Last date for Registration: 11th November, 2016

*Registration is limited to the first 40 participants.

For online registration:

<https://goo.gl/forms/OYYlqW8F72jEBwUn1>

For online Registration fee submission:

HBL Ac. 01827901907903, Ac. Title; Muhammad Zaid
(03217534306)

For registration and course details kindly contact

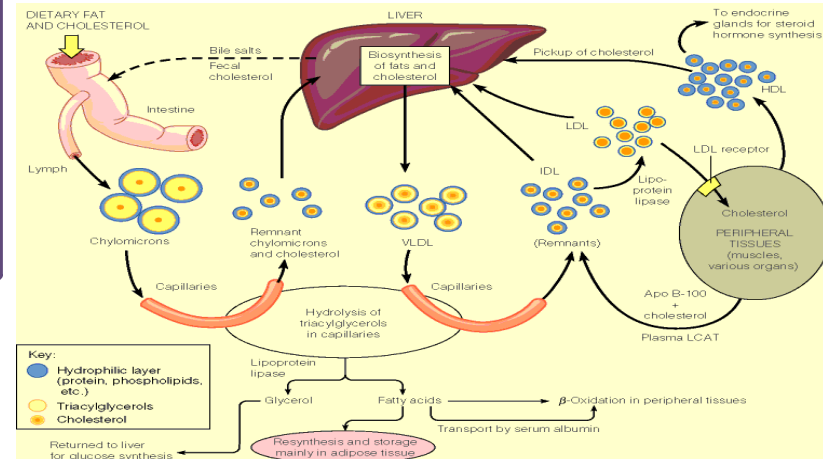
Ms. Fatima Ameer

Ms. Rimsha Munir

Gene Lab (04235952811- Ext 842)

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

cclworkshop@yahoo.com



Agenda

Time Slot	Group A	Group B
DAY-1		
8:30-10:00 am	Registration	
10:00-10:30 am	Inauguration	
10:30-12:10 am	Session : Introduction to lipids Speaker: Nousheen Zehra Zaidi Venue: Committee Room	
12:10-12:30	Interactive Session	
12:30-2:00 pm	Lunch & Prayer	
2:00-3:00 pm	Lab Activity Plasma Lipids' Profiling <ul style="list-style-type: none"> • Total Cholesterol • Triglycerides • High-Density Lipoprotein Cholesterol • Martins' Calculator for Non-HDL and LDL Instructor: Rimsha Munir & Fatima Ameer Venue: Cell Culture Lab	Session: Significance of Plasma Lipid Profile Speaker: Muhammad Zaid Venue: Committee Room
3:00-4:00 pm	Session: Significance of Plasma Lipid Profile Speaker: Muhammad Zaid Venue: Committee Room	Lab Activity Plasma Lipids' Profiling <ul style="list-style-type: none"> • Total Cholesterol • Triglycerides • High-Density Lipoprotein Cholesterol • Martins' Calculator for Non-HDL and LDL Instructor: Rimsha Munir & Fatima Ameer Venue: Cell Culture Lab

Agenda...

Time Slot	Group A	Group B
DAY-2		
9:30-11:00 pm	Lab Activity Total Lipid Extraction from <ul style="list-style-type: none"> • Cell lines • Peripheral Blood Mononuclear Cells • Tissue Samples Instructor: Hina Usman & Zunaira Shoukat Venue: Cell Culture Lab	Session : Lipidomics Speaker: Nousheen Zehra Zaidi Venue: Committee Room
11:00-11:30 am	Lab Activity Intracellular Lipid Estimation Instructor: Rimsha Munir & Maria Ramazan Venue: Cell Culture Lab	Lab Activity Intracellular Lipid Staining Instructor: Fatima Ameer & Muhammad Zaid Venue: Research Lab IV
11:30-1:00 pm	Lunch & Prayer	
1:00-2:30 pm	Session : Lipidomics Speaker: Nousheen Zehra Zaidi Venue: Committee Room	Lab Activity Total Lipid Extraction from <ul style="list-style-type: none"> • Cell lines • Peripheral Blood Mononuclear Cells • Tissue Samples Instructor: Hina Usman & Zunaira Shoukat Venue: Cell Culture Lab
2:30-3:30 pm	Lab Activity Intracellular Lipid Staining Instructor: Fatima Ameer & Muhammad Zaid Venue: Research Lab IV	Lab Activity Intracellular Lipid Estimation Instructor: Rimsha Munir & Maria Ramazan Venue: Cell Culture Lab
3:30-4:30 pm	Closing Ceremony and Tea	