

# Hands on Training on Lymphocyte Separation for Bio-analytical Applications (May 29 to 31, 2019)



Organized by  
ICMR-Regional Occupational  
Health Centre (Eastern), NIOH,  
Block-DP-1, Sector-V, Salt Lake,  
Kolkata-700091



## About ICMR-ROHC (E), Kolkata

Regional Occupational Health Centre (Eastern), Kolkata is a permanent Centre under ICMR - National Institute of Occupational Health, Ahmedabad, Govt. of India. The mandate of this centre is to undertake research, suggest interventions and impart training on Occupational Health and its allied disciplines. This centre primarily caters to the occupational and associated environmental health research & training needs of Eastern and North Eastern India.

## About training program

**About Training:** This Training Program is specially designed for those who are medical, paramedical, laboratory technician, research scholar and who are looking for the first formal course. We provide hands on training on lymphocytes separation, column preparation and the occurrence and determination of “**δ – Aminolevulinic Acid and Porphobilinogen in Lymphocytes**”. The training is conducted in accordance with the specified protocols.

**Aim of Training:** Trainee will gain basic knowledge and skills needed for optimization and troubleshooting for analysis of heme synthesis pathway in any biological sample such as RBC, Urine & Lymphocyte using Resins and Dowex 2 & Dowex 50 columns. The training is useful for those who are planning to pursue their carrier in field of research, industries, early detection of diseases, Pharmaceuticals as well as the Medical Testing Laboratories and various others.

**Prerequisites:** The trainee should be either graduate or under graduate in biological / medical / environmental / analytical or bio-analytical Sciences

**Intake:** For 30 trainees

**Training Fees:** ₹1,000

## Course Content

- SOP of specimen collection
- Handling, shipment, safety precaution
- Dowex 2 & 50 column preparation technique
- Lymphocyte separation technique
- Its application and use in various fields
- Heme synthesis pathway procedure technique
- Bio-analytical application
- Storage in RPMI-1640 Media
- Sample preparation techniques
- Hands on session

## Registration

**Seats will be limited only for 30 participants on first come first serve basis.**

Those willing to participate in the course should submit a Demand Draft (DD) of ₹1,000/- (Rupees one thousand only) in favour of “Officer-In-Charge, Regional Occupational Health Centre (E)” and payable at Kolkata; send the DD along with your registration form by courier/speed post before **20/05/2019** to: -

Dr. Pawan Kumar Maurya  
Scientist “B”

ICMR-Regional Occupational Health Centre (E)  
Block-DP-1, Sector-V, Salt Lake, Kolkata-700091  
For further query if any please write:

Email: [maurya\\_pawan@yahoo.com](mailto:maurya_pawan@yahoo.com)

Mobile: 9908023634

An advance copy of application can be sent by e-mail to [maurya\\_pawan@yahoo.com](mailto:maurya_pawan@yahoo.com)

## Patron:

Dr. RS Dhaliwal, Chief, NCD, ICMR

## Mentor:

Dr. K Sarkar, Director, ICMR-NIOH

## Organizing Secretary:

Dr. A Chakrabarti, Scientist “F” & Officer-In-Charge, ROHC (E)

## Joint Organizing Secretary:

Dr. A Saha, Scientist “E”, ICMR-ROHC (E)

## Course Co-ordinator:

Dr. PK Maurya, Scientist “B”, ICMR-ROHC (E)

## Organizing Committee:

Mr. SK Roy, Sr. Technical Officer-1, ICMR-ROHC (E)

Ms. A Yadav, Technical Officer, ICMR-ROHC (E)

Mr.S.Das, Technical Assistant, ICMR-ROHC (E)

Mr. S. Mukherjee, Technician C, ICMR-ROHC (E)

Mr. G Nengzapum, Technician C, ICMR-ROHC (E)

Mr. J VL M Chhange, Technician C, ICMR-ROHC (E)