



icmr
INDIAN COUNCIL OF
MEDICAL RESEARCH

NIIH
NATIONAL INSTITUTE OF
IMMUNOHAEMATOLOGY

ICMR-National Institute of Immunohaematology (NIIH)
13th floor, NMS building, KEM hospital campus, Parel, Mumbai-400012

2nd MOLECULAR IMMUNOHAEMATOLOGY WORKSHOP (2024)

The field of Immunohaematology has progressed tremendously over the last few decades. As the molecular basis of all blood group genes is now known, various low- to high-throughput techniques can now be used to predict blood group phenotype, resolve complex serological discrepancies, and help decision making in a transfusion setting. With this background it is imperative to train the blood bank personnel in molecular genotyping of blood group genes. This was also the demand of Transfusion medicine specialists throughout the country.

In this view, we are conducting a “**Molecular Immunohematology Workshop**” from 15th to 19th January 2024 at ICMR-NIIH, Mumbai. The participants attending the workshop will be sensitized to various molecular assays and subsequently they will be able to standardize them in their labs. The workshop will have lectures and hands-on practical’s of different blood group genotyping assays performed routinely at ICMR-NIIH along with demonstration of some of the newer techniques.

The following topics will be covered during the course:

1. Principles of Immunohaematology and Principles of Human Genetics in general and blood groups in particular
2. Blood group genotyping
 - (i) Polymerase Chain Reaction
 - (ii) Primer Designing
 - (iii) Low throughput Techniques: PCR-SSP, PCR-RFLP, Multiplex PCR etc.
 - (iv) Medium throughput Techniques: Sanger’s Sequencing, Real- Time PCR etc.
 - (v) High throughput Techniques: Microarrays, NGS
 - (vi) How to set up a molecular Immunohaematology laboratory
 - (vii) Applications of blood group genotyping

Duration: The duration of the training course is as follows:

Year	Course for	Duration
2024	Medical Officers	15 th to 19 th January 2024

Required Qualifications:

- M.B.B.S. of a recognized University
- M.D Transfusion medicine/ Pathology
- Working in the field of Transfusion Medicine for at least 10 years
- Publications in peer reviewed journals
- Want to set up molecular Immunohaematology lab and have the required equipment/manpower.

Tuition Fees: Nil

T.A./ D.A.: To be borne by sponsoring institutions.

Boarding: Candidates should make their own boarding and lodging arrangements during their stay, though Institute may provide some assistance to acquire guest house accommodation.

Forwarding: Completed application forms and the necessary certificates should be forwarded by the Head of the Institution to reach us by E-mail (swatiniih@gmail.com) by 31st December 2023.

Last date for submission of application form is 31st December 2023.



Director,

ICMR-National Institute of Immunohaematology

13th floor, NMS building, KEM hospital campus

Parel, Mumbai-400012

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Tel no. 24138418/19, 24111161

Mob: 9223374859

Application form for 2nd Molecular Immunohaematology Workshop 2024

(To be forwarded through proper channel only, along with copies of certificates)

Last date for submission of application form: **31st December 2023.**

Name _____ **Father's name/
Husband's name** _____ **Surname** _____

Age: _____ **Sex:** _____

Designation: _____

Affiliation: Full address of the Institute/ Blood centre

(State clearly whether Govt. Semi Govt. Autonomous Private)

Pin Code: _____ **State:** _____

Phone No: _____ **Mobile No:** _____

Email: _____

Home address:

Educational Qualification	:	Degree	Year	University
	:	_____	_____	_____
	:	_____	_____	_____
	:	_____	_____	_____

No. of years of experience in Blood Banking: _____

No. of Publications: _____

Blood center related information:

1. Is red cell antibody screening and identification performed: Yes No

2. No. of unresolved cases of red cell allo/autoimmunization/year: _____

3. Availability of equipment's to set a Molecular Immunohaematology Lab: Yes No

If yes, then provide details:

4. When are you planning to set-up molecular Immunohematology Lab at your centre?

Within 1 year Next 2 years Later

Forwarded through:

Name of competent Authority:

Signature:

Date:

Candidate's signature:

Date: