



# INSTITUTE OF ADVANCED VIROLOGY

An autonomous institution under Science and Technology Department  
Government of Kerala

## Workshop on

**"Monoclonal antibodies, an emerging era in biologicals: Principles of production, applications in immunodiagnosics and therapeutics"**  
(Hands on training in monoclonal antibodies)

8-9 December 2022

### THEME OF THE WORKSHOP

The workshop for capacity building in antibody research will cover:

- The basics of monoclonal antibody production
- Applications of mAbs in R & D as well as their translatability in medicine for better outcomes to combat diseases
- Hands-on training in the methodologies associated with the production of mAbs
- Review of IPR associated with monoclonal antibodies
- The landscaping of the commercialization of lead mAb products

### ABOUT THE WORKSHOP

- There will be an open discussion to identify and prioritize challenges and propose strategies for the development of mAbs against viral diseases.
- The first day of the workshop will constitute the theoretical aspects and will be open to all the participants.
- On day 1, 90 participants will be selected for the **hands-on training program** on various aspects of mAbs to be held on day 2.
- IAV, Thiruvananthapuram will also host **The Young Investigator Poster presentation and Turbo Talk session** on day 2.
- The poster session will be for the selected posters and abstracts primarily from the Ph.D. students, research fellows, and early postdocs contributing to antibody research and translational virology.
- The students from other streams like engineering and medical are also encouraged to participate in other sessions where a **young and innovative brain pool** will present their ideas and concepts for future antibody research and translational virology, particularly for differential diagnosis and effective therapy.
- The session will also include a **8-10 minute Turbo Talk presentation from 5 selected poster abstracts as well as the 5 best young and innovative brain pools**. We look forward to an enthusiastic participation from all the other institutes and state engineering colleges

Registration and Abstract submission starts from 16<sup>th</sup> August 2022.

### Opportunities for Students and Young Scientists

- ★ Best poster presentation awards
- ★ Best oral presentation awards
- ★ Hands on training on mAbs

### AWARDS

- ▶ Three best Poster Presentation. (Award- Cash Prizes and certificates)
- ▶ Three best Turbo talks presentation (Award- Cash Prizes and certificates)

### Workshop Speakers and Mentors

- Dr. Devinder Sehgal (Staff Scientist, NII, New Delhi)
- Prof. Deepak T Nair (Professor, RCB, Faridabad)
- Dr. Sumant Vyas (Principal Scientist, NRCC, Rajasthan)
- Dr. Chitra Arvind (IPR Expert, New Delhi)
- Dr. Chandresh Sharma (Assistant Prof., C.S.J.M, Kanpur)
- Dr. Rajesh Kumar (Principal Scientist, IAV, Kerala)
- Dr. Mohanan V (Sr. Principal Scientist, IAV, Kerala)
- Dr. Aswathyraj (Scientist C, IAV, Kerala)
- Dr. Subir Biswas (Industry Antibody Expert, GenScript, Hyderabad)
- Dr. Shashank Gupta (GenScript, Singapore)

### Hands on Training Topics

**Workshop 1:** Monoclonal antibody production, purification using affinity columns, culture maintenance and hybridoma revival

**Workshop 2:** Antibody isotype identification, antibody software usages practice, structural modeling, IMGT usages, gene rearrangements and IPR filing

**Workshop 3:** Antigenic based preparations, characterization and suitability for monoclonal antibody isolation



## REGISTRATION

	Early Bird (Till Oct 15, 2022)	Regular (Till Nov 31, 2022)	Late /on Spot (Dec 08, 2022 Onwards)
Students / R. Scholars	1000	1500	2000
Faculty/ Scientist	2000	2500	3000
Industry Personals	3000	3500	4000
Foreign Delegates	\$50	\$100	\$150

Register on: <https://forms.gle/jiYp7mukQLEtkX546> The Bank account details for deposition of registration fee is- Account Name- Director Institute of Advanced Virology, Account No.- 110064019189, IFSC- CNRB0014004, Canara Bank, Pattom II branch, Thiruvananthapuram

### CALL FOR ABSTRACT

Short abstracts for poster and turbo talk presentations related to above mentioned theme are to be uploaded along with registration form by 31<sup>st</sup> November 2022. The abstract should be typed using MS Word. The size of posters should be 1 x 1.5 m

### IMPORTANT DEADLINES

Registration Deadline:

31<sup>st</sup> November 2022

Abstract Submission Deadline:

31<sup>st</sup> November 2022

- ◆ Registration fees will include participation in young innovative brain pool/ turbo talks presentation/ lecture series, hands on training sessions (for selected participants), lunch breaks, tea breaks, workshop materials

#### Organizing Committee

Chief Patron

Dr. E Sreekumar(Director, IAV)

Convener and Organizing Secretary

Dr. Rajesh Kumar(Principal Scientist, IAV)

Co-convener

Dr. Mohanan Valiya Veetil (Sr. Principal Scientist - Scientist-F, IAV)

Dr. Binod Kumar (Principal Scientist - Scientist E-II, IAV)

Dr. Aswathyraj S (Scientist-C, IAV)

Dr. Anismrita Lahon (Scientist-C, IAV)

Organizing Committee Executive

Manoj Kumar S (Administrative Officer)

Renjith R S Nair (Section Officer)

Gopikrishnan K (Core Facility Incharge)

Nithin Besent N (Technical Officer - Engineering Support)

Fathima Zahra C (Technical Officer - Laboratory and Project Management)

Johney Philip (Technical officer)

Vinod S (Technical Officer - Technical Support)

Scan here for Registration



#### Workshop Secretariat:

Interfacing Basic and Translational Research

Institute of Advanced Virology, Bio 360 Life Science Park, Thonnakkal, Thiruvananthapuram, Kerala - 695317

For any Query contact:

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