



OFFICE OF THE DEAN & PRINCIPAL
VEER SURENDRA SAI INSTITUTE OF MEDICAL SCIENCES & RESEARCH, BURLA

Letter No. 1286 /VIMSAR-MRU Burla- Date 19/2/2025

To

The All HoD
Department of VIMSAR, Burla

Sub: - Hands-On Training & Workshop on Molecular Analysis for Post-graduate students,
senior residents and faculties from 06.03.2025 to 07.03.2025.

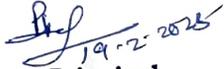
Sir,

With reference to the subject cited above, I am to inform you that two days "Hands-On Training & Workshop on Molecular Analysis" for Post-graduate students, senior residents and faculties from 06.03.2025 to 07.03.2025 at 09.00 AM at MRU, VIMSAR, Burla. So, I request to all the HoD to instruct there post-graduate students, senior residents and faculties to register for the said workshop as per the schedule and on 06.03.2025 at 09.00 AM, there will be inauguration of the workshop. So, all are requested to attend the workshop and encourage the participants

This is for favour of your kind information and necessary action.

Encl: - Workshop Leaflet and Program Schedule

Yours faithfully


Dean & Principal
VIMSAR, Burla
Dean & Principal
VIMSAR, Burla
Sambalpur, Odisha-768017



Department of Health Research
Ministry of Health and Family Welfare
Government of India



Veer Surendra Sai
Institute of Medical
Science and Research
(VIMSAR), Burla, Odisha



Hands-on-Training & Workshop on Molecular Techniques

Organised by

Multi-Disciplinary Research Unit, VIMSAR, Burla, Sambalpur Odisha

(Date: 6th and 7th March 2025)

ABOUT MRU: The Department of Health Research (DHR), under India's Ministry of Health and Family Welfare, has established Multi-Disciplinary Research Units (MRUs) in government medical colleges and institutions nationwide. This unit aim to foster a robust research environment by providing essential infrastructure, thereby bridging existing gaps in health research. MRUs are dedicated to capacity building and human resource development in health research, striving to enhance the population's health through evidence-based diagnostic procedures and high-quality learning opportunities. This initiative aligns with the vision of advancing medical research within the institutions.

ABOUT WORKSHOP: A comprehensive workshop on molecular biology techniques is being organized for postgraduate students, senior residents, and assistant professors at medical colleges. This hands-on training will cover essential methodologies such as DNA isolation, quantification, quality assessment, and polymerase chain reaction (PCR). Participants will gain practical experience in these techniques, which are fundamental for both research and diagnostic applications in the medical field. The workshop aims to enhance the participants' technical skills and understanding, thereby contributing to their professional development and the advancement of medical research within their institutions.

Who can Apply:

Post-graduate students, senior residents and faculties from Medical Colleges/ Institutions

No of Participant:

Maximum of 20 participants

Registration Details:

- No Course Fee will be charged for this workshop
- Selected participants should arrange their own travel and accommodations
- Lunch, tea, snacks and workshop kit will be provided to the participants on the workshop days
- Upon confirmation of participation, candidates are required to provide authorization from their department or institution head.
- Enrollment is limited to the first 20 registrants, with participation granted on a first-come, first-served basis.

Important Date:

Application Start- 20.02.2025
Application End- 28.02.2025
Participation Confirmation- 01.03.2025

Contact:

+91-8260096595 (Dr. Atanu Thakur)
+91-7008550898 (Dr. Satyabrata Meher)
+91-9861066916 (Mr. Dharanidhar Debata)
E-mail-workshopmruvimsar@gmail.com

Training Curriculum:

- DNA isolation from whole blood
- DNA quantification and quality check
- Primer design (NCBI)
- PCR (ARMS PCR, GAP PCR)
- Restriction fragment length polymorphism (RFLP) analysis

Coordinator:

Organizing Chairperson:

Prof Pradeep Kumar Mohanty, Dean & Principal, VIMSAR, Burla

Organizing Secretary:

Prof. Bimal Krushna Panda, Nodal Officer, MRU, VIMSAR, Burla

Training Coordinator:

Dr. Atanu Thakur, Associate Professor, Dept of Medicine, VIMSAR, Burla

Training Moderator:

Dr. Prajit Saswat Hota, Associate Professor, Dept of Pharmacology, VIMSAR, Burla

Interested candidates may apply for the workshop by filling out the Google Form provided in the link below or scan the QR Code

<https://forms.gle/MqpxNL7AYbeP6kwB7>





Department of Health Research
Ministry of Health and Family Welfare
Government of India



Veer Surendra Sai
Institute of Medical
Science and Research
(VIMSAR), Burla, Odisha



Two-Days Hands-On Training & Workshop on Molecular Analysis

Organised by

Multi-Disciplinary Research Unit, VIMSAR, Burla, Sambalpur Odisha

(Date: 6th and 7th March 2025)

(Organizing Committee)

<p><u>Organizing Chairperson</u> Prof. (Dr) Pradeep Kumar Mohanty Dean & Principal, VIMSAR, Burla, Sambalpur, Odisha</p>	<p><u>Organizing Secretary</u> Prof. (Dr) Bimal Krushna Panda Nodal Officer, MRU, VIMSAR, Burla, Sambalpur, Odisha</p>
<p><u>Training Coordinator</u> Dr. Atanu Thakur Associate Professor, Dept of Medicine, VIMSAR, Burla, Sambalpur, Odisha</p>	<p><u>Training Moderator</u> Dr. Prajit Saswat Hota, Associate Professor, Dept of Pharmacology, VIMSAR, Burla, Sambalpur, Odisha</p>

(Resource Persons)

- ❖ Dr. Kishalaya Das (Scientific Officer, OSCP-NHM, SCI, VIMSAR, Burla)
- ❖ Dr. Mamata Pandey (Research Scientist-II, MRU, VIMSAR, Burla)
- ❖ Dr. Satyabrata Meher (Research Scientist-I, MRU, VIMSAR, Burla)

(Registration & Logistic Committee)

- ❖ Mrs. Karishma Mahapatra (LT, MRU, VIMSAR, Burla)
- ❖ Mr. Dharanidhar Debata (DEO, G-A, MRU, VIMSAR, Burla)

(Program Schedule)

Day 1 – Date-06.03.2025 (Thursday)	
09:00 AM - 09:30 AM:	Registration
09:30 AM - 10:00 AM:	Inauguration
10:00 AM - 10:30 AM:	Overview of “Hands-on-Training & Workshop on Molecular Analysis”
10:30 AM - 01:00 PM:	<ul style="list-style-type: none"> • DNA Isolation by KIT
01:00 PM - 02:00 PM:	Lunch Break
02:00 PM - 05:30 PM:	<ul style="list-style-type: none"> • Quantification of DNA • PCR Techniques Overview • ARMS-PCR, Gap PCR • Agarose Gel Electrophoresis of PCR Products
Day 2 – Date 07.03.2025 (Friday)	
09:00 AM - 01:00 PM:	<ul style="list-style-type: none"> • PCR for RFLP • Restriction Enzyme Digestion & Agarose Gel Analysis
01:00 PM - 02:00 PM:	Lunch Break
02:00 PM - 04:30 PM:	<ul style="list-style-type: none"> • Troubleshooting PCR & Gel Analysis • Interpretation of Results and Q&A Session
04:30 PM - 05:00 PM:	Valedictory Session & Certificate Distribution