Organizing Committee Members

Event Director

Dr. Vivek Kumar Gupta, Director

Event Organizer

Dr. Rajib Deb, Senior Scientist

Event Co-Organizers

Dr. Swaraj Rajkhowa, Principal Scientist
Dr. N H Mohan, ICAR-National Fellow
Dr. Pranab Jyoti Das, Principal Scientist
Dr. Rafiqul Islam, Principal Scientist
Dr. Seema Rani Pegu, Senior Scientist
Dr. R Thomas, Senior Scientist
Dr. Souvik Paul, Senior Scientist
Dr. Juwar Doley, Senior Scientist
Dr. Jaya, Scientist
Dr. Satish Kumar, Scientist
Dr. Pankaj Barah, Associate Professor & INYAS Member, Tezpur University, Assam

Technical Faculties

Dr. Gyanendra Singh Sengar, Research Associate
Dr. Joyshikh Sonowal, Research Associate

Correspondence

Dr. Rajib Deb
Senior Scientist
ICAR-National Research Center on Pig,
Guwahati, Assam
E-mail: drrajibdeb@gmail.com; Rajib.Deb@icar.gov.in

Contact Number: 7060385213 (M); 03612847195 (O)

The last date for receiving the nomination is 21/06/2022
The advance scanned copy of the nomination may be sent by email. Incase total number of participants exceeds 20-25, preference will be given on first come first serve basis.
Note: *The candidates will be notified about the selection latest by 22.06.2022. In case of any query please contact Course Organizer*

Venue, Date and Duration

The SERB sponsored High-end workshop (Karyashala) will be conducted from 5th to 18th July, 2022 at ICAR-National Research Center on Pig, Rani, Guwahati, Assam, India

Important Dates

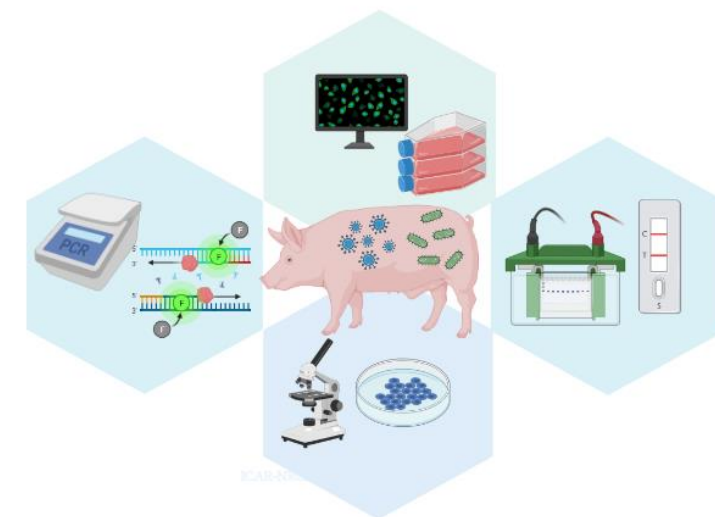|	
Last Date of application	**21.06.2022**
Communication to Participants	**22.06.2022**
Commencement of Training Programme	**05.07.2022**

High-End Workshop (Karyashala)

Training and study guide on molecular diagnostic tools for livestock diseases

July 5-18, 2022

Sponsored by
Science and Engineering Research Board
(Accelerate Vigyan Scheme)

Organized by
ICAR-National Research Center on Pig
(Indian Council of Agricultural Research)
Guwahati, Assam, India

About the Institute

ICAR-National Research Center on Pig (ICAR-NRCP) is a nodal institute undertaking basic, strategic and applied research in the areas of pig production and health including product/by-product processing, value addition through quality control measures and transfer of the evolved technologies to the client groups.

About the Workshop

Livestock diseases are a major contributor to a slew of issues in the livestock industry. Animal welfare, lost productivity, uncertain food security, lost income, and negative effects on human health are just a few of them. Improved animal husbandry practises can help with livestock disease management. Early detection of livestock diseases is the most important control strategy for disease prevention.

https://nrcp.icar.gov.in/

Through hands-on practice, this course will primarily introduce participants to the different molecular method of early diagnosis of livestock diseases. The emphasis is on doing rather than reading. For the benefit of the participants, live/onsite demonstration will be performed. This hands-on training is intended for researchers especially from North-eastern region, India interested in basic and advanced molecular biology research for career advancement. This training will assist those seeking new career opportunities in molecular biology in filling a skill gap between college and employment. This course provides hands-on experience with basic molecular biology tools and techniques uses for disease diagnosis.

Course Contents

- ❖ SOP for basic laboratory practices like viral sample handling, media preparation, sterilization, biosafety and disposal of hazardous stuffs
- ❖ DNA based Diagnostic techniques- PCR and its variants
- ❖ RT-PCR based Diagnosis
- ❖ SNPs detection tools
- ❖ Lateral Flow Assay
- ❖ ELISA based diagnosis
- ❖ HPLC, LC/MS tools
- ❖ Molecular cloning techniques
- ❖ Invitro Cell culture techniques
- ❖ Recent advances in genome editing tools
- ❖ Basic to advanced bioinformatic tools

Who can Apply?

Students currently pursuing Masters or Ph.D. in Biotechnology/Microbiology/ Biochemistry / life Science or any other related disciplines at Government Universities, Colleges or private academic institutions are eligible to apply. The number of participants for the programme will be limited to 20-25. The selection of the candidates will be made by screening committee as per SERB guidelines.

How to Apply?

Nomination for participation in the workshop may be made as per the attached format. The scanned copy of the duly filled application signed by the Head of the Department / Principal or the competent authority may be sent to drrajibdeb@gmail.com, rajib.deb@icar.gov.in. Along with filled application, students must also send scan copy of the University ID card and Aadhar card. Selected students should register themselves through 'Register as Student' option provided on login page of AV portal (acceleratvigyan.gov. in/login), to facilitate their participation in "VigyanVarta" section of the Accelerate Vigyan Portal. Selected candidates should bring '' NO Objection Certificate (NOC)" from their Supervisor/ Head of the department/Head of the institute while joining the workshop.

Travel, Boarding and Lodging

Selected participants are eligible for TA (Train fare for Sleeper class or state transport buses by shortest route as per GOI norms). Food and accommodation will be provided by the organizers. Participants should produce Covid vaccination certificate on arrival at ICAR-NRC on Pig, Guwahati and must follow Institute's Covid guidelines.

1. Name of the Applicant:

2. Enrolment/Registration number:

3. Course (PG/Ph.D):

4. Year of Study (1st /2nd/Final):

5. Department:

6. Institute/University:

7. Correspondence Address:

8. Mobile Number and E-mail ID:

9. Academic Record:

Sl. No.	Examination Passed	Subject (Major)	Year of Passing	Marks (%)
1	Bachelor Degree			
2	Master Degree			
3	Ph.D			
4	Any other qualifications if any			

The above information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the programme.

Date and Place   Signature of the applicant

10. Recommendation by forwarding authority (Guide/Head of the Department /Head of the Institute):

Signature:

Designation:

Date: Address: