

## Organizers

Dr. Vivek Kumar Gupta, Director

Event Director

Dr. Rajib Deb, Senior Scientist

Event organizer

## Important dates

Last Date of application 25<sup>th</sup> May 2023

Communication to Participants 30<sup>th</sup> May 2023

Commencement of Training Programme 15<sup>th</sup> June 2023

## Contact us

- Dr. Rajib Deb, Event organiser & Senior Scientist, ICAR-National Research Center on Pig, Guwahati, Assam, E-mail: [drajibdeb@gmail.com](mailto:drajibdeb@gmail.com); [Rajib.Deb@icar.gov.in](mailto:Rajib.Deb@icar.gov.in) Mob: 917060385213
- Dr. Gyanadendra Singh Senger, SERB-National Post Doctoral Fellow, ICAR-National Research Center on Pig, Guwahati, Assam. E-mail: [gsanger71@gmail.com](mailto:gsanger71@gmail.com); Mob: 917906906482

## How to reach us

**Venue:** ICAR- National Research Centre on Pig, Guwahati, Assam

**Travel & Boarding:** Selected participants are eligible for TA (Train fare for Sleeper class or state transport buses by the shortest route as per GOI norms). Boarding and lodging will be provided by the organizers.

**Location:** <https://goo.gl/maps/eLM7gSiSMEyiVeGo7>



## High-End Workshop (Karyashala)

**Leveraging molecular laboratory skills on development of molecular gadgets for diagnosis and prevention of livestock diseases**

**15<sup>th</sup> – 28<sup>th</sup> June 2023**

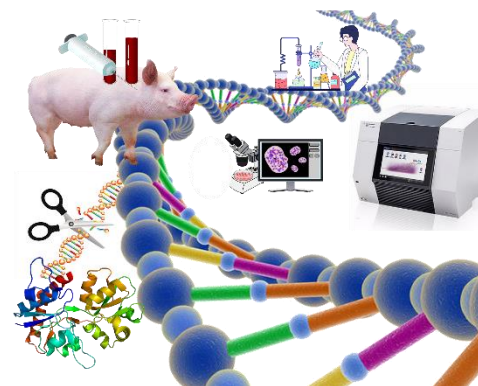
*Sponsored by*

**Science and Engineering Research Board  
(Accelerate Vigyan Scheme)**

**Department of Science & Technology, Government of India**

*In collaboration with*

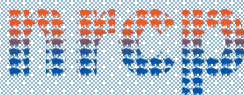
**Indian National Young Academy of Sciences**



*Organized by*

**ICAR-National Research Center on Pig  
Rani, Guwahati, Assam, India – Pin: 781131  
2023**

## About us



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.

## About the course

This course will focus on hands-on training on molecular methods for early disease diagnosis. Live/onsite demonstration will be performed for researchers. The course is designed for researchers interested in basic and advanced molecular biology research for career advancement. Gained skills intends to fill the skill gap between college and employment.

## Course content

- ❖ 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
- ❖ SDS PAGE/ Western blotting
- ❖ ELISA based diagnosis
- ❖ HPLC, LC/MS tools
- ❖ Molecular cloning techniques
- ❖ Recent advances in genome editing tools
- ❖ Basic to advanced bioinformatic tools

## Who can apply

Students currently pursuing a Master's or PhD in Biotechnology/Microbiology/Biochemistry/Life Science at Government / private academic institutions are eligible to apply. The number of participants will be limited to 20-25. The will be made by the screening committee as per SERB guidelines.

## How to apply

Application may please be initiated through Google Forms.

<https://forms.gle/pjqPKFaTaRDGJ8GPA>

Alternatively, scan the QR code for filling in the details.



Documents to be uploaded

1. Duly filled & attested nomination form and NOC (Downloaded from the link provided in the google form)
  2. Copy of the University ID card
  3. Copy of Aadhar card.
- Selected candidates will be intimated on or before 30<sup>th</sup> May 2023 by email.
- Selected students should register themselves through 'Register as Student' option provided on login page of AV portal ([acceleratvigyan.gov.in/login](https://acceleratvigyan.gov.in/login)), to facilitate their participation in "VigyanVarta" section of the Accelerate Vigyan Portal.

