



## Organizing Committee

### Course Director

**Dr. V K Gupta**, Director

### Course Coordinator

**Dr. Rajib Deb**, Senior Scientist

**Dr. Seema Rani Pegu**, Senior Scientist

### Course Co-Coordinator

**Dr. Swaraj Rajkhowa**, Principal Scientist

**Dr. Pranab Joyti Das**, Principal Scientist

**Dr. Satish Kumar**, Scientist

## About the Training

Basic molecular biology tools are commonly used for disease diagnosis, clinical research, and other purposes. This hands-on training is intended for Schedule Caste community researchers/students 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 such as DNA/RNA isolation, cDNA synthesis, PCR, gel electrophoresis, SDS-PAGE, cloning techniques and cell culture

## Tentative Programme Contents

- ☐ Standard Operating Procedures (SOP) in molecular biology laboratory
- ☐ Genomic DNA extraction from animal tissues/blood/semen/body fluids
- ☐ RNA Isolation and cDNA synthesis
- ☐ Polymerase chain Reaction
- ☐ Agarose gel electrophoresis
- ☐ Molecular cloning
- ☐ SDS-PAGE
- ☐ ELISA
- ☐ Cell Culture Technique
- ☐ Bioinformatic tools

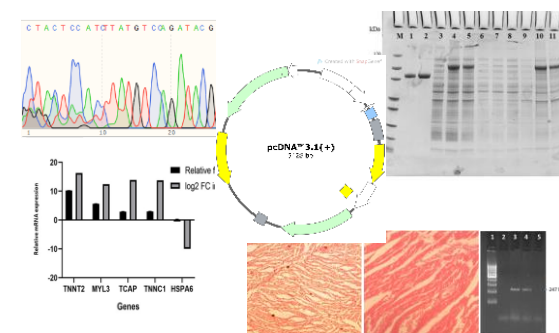


**3<sup>rd</sup>-5<sup>th</sup> January, 2023**

## Basic Laboratory Hands on Training for Tribal Science Graduate Students

*Sponsored under*

**ICAR-Tribal Sub Plan Programme**



*Organized by*

**ICAR-National Research Center on Pig  
(Indian Council of Agricultural Research)**

**Guwahati, Assam, India**



## 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.

## Application Form

### SELECTION

#### ELIGIBILITY

Applications are invited from Scheduled Tribe community students (Graduate/PG/PhD) including research scholars /Junior/Senior Research Fellow/Research associate of ICAR SAU/CAU/Other Universities/ Colleges

#### SELECTION CRITERIA

The application will be screened by a selection committee. The number of candidates is limited to 20 in order to maintain a low trainee-to-instructor ratio, social distance, and a diverse educational experience.

#### REGISTRATION FEES

No registration fees are required. But, the transportation to the venue and return should be borne by the candidate. The food and lodging will be provided

1. Full Name (in block letters):
2. Designation:
3. Present Address:
4. E-mail Id:
5. Phone Number:
6. Permanent Address:
7. Date of Birth:
8. Sex: Male/Female
9. Caste:
10. Academic record:
11. Academic achievements if any (Publication/attended training, conference etc.)

Signature of the applicant

Date.....

Place.....

#### Documents required:

1. Soft copy of ST community certificate
2. Copy of the Identity proof

**Deadline: 28<sup>th</sup> Dec, 2022**

The documents may be sent to:

[drrajibdeb@gmail.com](mailto:drrajibdeb@gmail.com)