

## About the Training Programme

With the advent of the revolutionary CRISPR/Cas gene editing system, the process of making targeted edits in the animal genome became simpler and easier coupled with the increased specificity. This training programme is designed to familiarize the science graduate and post graduate students with the concepts essentially required for genome editing in animals.

The training comprises of both theory and practical sessions, wherein trainees will get opportunity for hands on experience on various tools and techniques like design of guide RNAs, primer designing, genomic edit confirmation assays, transfection methods, cell culture, clonal selection, determining off-targets, including various assays for detection and validation of knock-out. Trainees will also get exposure to various laboratory techniques like gradient PCR, real time PCR, western blotting and their data analysis to determine the percentage of genomic edit.

This training programme is sponsored by the ICAR funded “Network Program on Application of Genome Editing Technology for Improvement in Livestock Health and Production (NPGET)” project under SCSP component. The SC student beneficiary will be provided with free fooding, lodging and training kits during the training.

### For any queries: Contact

Dr. Jaya

Scientist, ICAR-NRC on Pig

Ph No.: 8887659556

[drjaya.icar@gmail.com](mailto:drjaya.icar@gmail.com)



## How to Apply/ Registration

This program is available only for scheduled caste (SC) student beneficiaries who have completed graduation in discipline of Life Sciences/ Biotechnology /Veterinary Science or are currently enrolled or completed a postgraduate degree in Life Sciences/ Biotechnology/ Veterinary Science or related subjects. The selection is on first come first serve basis, for those fulfilling the eligibility criteria. The candidates must have SC certificate.

To apply, click on the link below and complete the google form application.

<https://forms.gle/Z5hv6p5CaUNn64c17>



SCAN  
to  
APPLY

### How to Reach

ICAR-National Research Centre on Pig Guwahati is located at a distance of 11 Km from Guwahati Airport, 25 Km from Kamakhya Railway station, 30 Km from Paltan Bazar Railway station, 28 Km from ISBT, Guwahati and 21 Km from Adabari Bus Stand, Guwahati. Participants may hire taxi at their own cost from these points to reach ICAR-NRC on Pig, Rani. Local conveyance is also available from Rani Gate to reach the Institute.

### Organizing Committee

Dr. V. K. Gupta	Director	Course Director
Dr. Jaya	Scientist	Course Coordinator
Dr. Satish Kumar	Scientist	Course Coordinator
Dr. Rafiqul Islam	Pr. Scientist	Course Coordinator
Dr. N. H. Mohan	Pr. Scientist	Course Coordinator



भा.कृ.अनु.प.- राष्ट्रीय शूकर अनुसंधान केंद्र  
ICAR- National Research Centre on Pig

## Residential Training Programme

on

## The Know-how of Genome Editing Technology in Animals



10<sup>th</sup> – 17<sup>th</sup> February 2025

Sponsored by SCSP Fund of  
NPGET Project, ICAR

### Organized by

National Research Centre on Pig  
Indian Council of Agricultural Research  
Rani, Guwahati – 781131, Assam  
Phone: 0361-2847195, 2847221  
Fax: 0361-284719

## Application Form

**Name of Training Programme:** The Know-how of Genome Editing Technology in Animals

**Date:** 10<sup>th</sup> to 17<sup>th</sup> February, 2025

### Personal Details

S. No.	Particulars	Details
1	Full Name (in block letters):	
2	Name of State/Union Territory:	
3	Age:	
4	Sex (Male/Female):	<input type="checkbox"/> Male <input type="checkbox"/> Female
5	Address for Correspondence:	
6	Mobile (Preferably WhatsApp No.):	
7	Email:	

### Eligibility Details

S. No.	Particulars	Details
8	Are you an SC beneficiary?	<input type="checkbox"/> Yes <input type="checkbox"/> No
9	Graduate/Postgraduate Degree Details:	
	Course Name:	
	University/Institution:	
	Year of Enrolment/Completion:	
10	Field of Study:	<input type="checkbox"/> Veterinary Science <input type="checkbox"/> Life Sciences <input type="checkbox"/> Biotechnology <input type="checkbox"/> Related Field/Subject (Specify):

#### Documents to Attach:

- Category Certificate

The filled in application form can be mailed to [drjaya.icar@gmail.com](mailto:drjaya.icar@gmail.com).

#### Declaration:

I hereby declare that the information provided above is true to the best of my knowledge. I understand that submitting false or incomplete information may lead to the rejection of my application.

**Signature:**

**Date:**