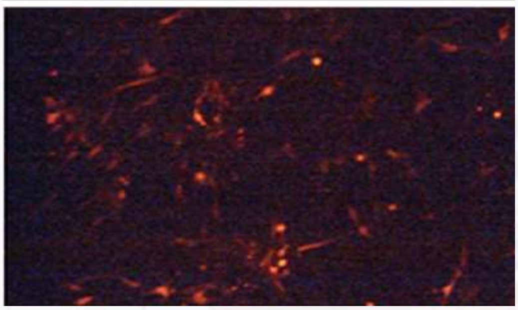
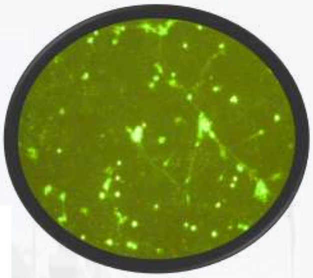
Short-term Training Programme
on

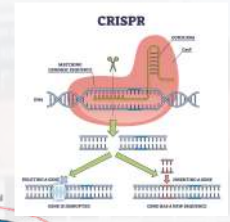
Translational Genome Editing Techniques for Vaccine and Diagnostic Development

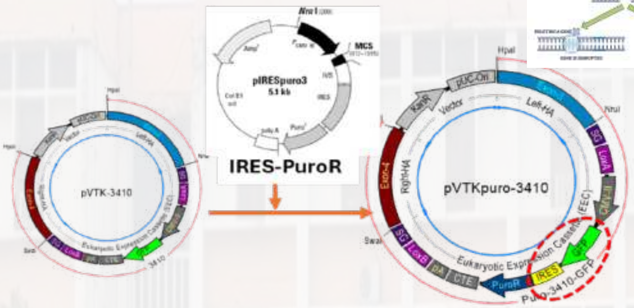
(for SC candidates only)

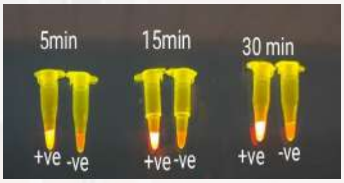
From 16th February to 23rd February, 2026











Organized by

Centre of Excellence (CoE) in Genome Editing Technology

Division of Veterinary Biotechnology

ICAR-Indian Veterinary Research Institute

Izatnagar-243122, Bareilly, U.P.

www.ivri.nic.in/

Sponsored by

Network Programme on Genome Editing Technology (NP-GET)

Indian Council of Agricultural Research (ICAR)

New Delhi

ICAR-Indian Veterinary Research Institute

The Indian Veterinary Research Institute (IVRI), established in 1889, is one of the premier research institutions in the country dedicated to livestock research and animal health. The Institute has a major mandate encompassing research, teaching, extension, consultancy, and technology transfer activities. With a long and distinguished scientific heritage, IVRI has consistently enjoyed national and international recognition for excellence in veterinary and animal sciences.

IVRI imparts high-quality undergraduate and postgraduate education to students from across India as well as from overseas. In addition to undergraduate programmes in B.Tech. (Biotechnology) and B.V.Sc. & A.H., the Institute contributes significantly to postgraduate teaching and research (Master's and Ph.D.) in more than 20 disciplines of veterinary and animal sciences.

The Institute has played a pivotal role in enhancing livestock productivity through the control and eradication of economically important animal diseases. Notable achievements include the eradication of Rinderpest, CBPP, African horse sickness, and Dourine. IVRI has also developed several landmark vaccines against major livestock and poultry diseases, including Rinderpest (GTV vaccine), Hemorrhagic Septicaemia, Anthrax, PPR, Sheeppox, Goatpox, and Newcastle disease of poultry. In addition, the Institute has developed improved vaccines and user-friendly advanced diagnostic tools for the effective management of livestock and poultry diseases.

Centre of Excellence (CoE) in Genome Editing Technology

The Centre of Excellence (CoE) in Genome Editing Technology has been established at the Division of Veterinary Biotechnology, ICAR-IVRI, under the Network Programme on Application of Genome Editing Technology for Improvement in Livestock Health and Production (NP-GETILHP), funded by ICAR, New Delhi. The CoE focuses on cutting-edge research and capacity building in genome editing technologies for rapid development of next-generation bacterial, viral, and parasitic vaccines and point-of-care diagnostics in collaboration with scientists across IVRI campuses and partner institutions.

About the Training Programme:

Genome editing technologies are transforming the landscape of vaccine and diagnostic development by enabling precise, rapid, and cost-effective manipulation of pathogen genomes. This 7-day intensive training programme is designed to provide advanced theoretical and hands-on exposure to genome editing-driven innovations relevant to veterinary vaccines and diagnostics.

The programme will emphasize translational applications, bridging basic genome editing tools with product-oriented vaccine and diagnostic development for animal health.

Major Highlights

- Principles and applications of genome editing technologies
- CRISPR-Cas systems and emerging genome editing platforms
- Genome editing strategies for attenuated and DIVA vaccine development
- Genome editing-based molecular and point-of-care diagnostics
- Bioinformatics tools for target selection and guide RNA design
- Mammalian cell culture and pathogen manipulation approaches
- Biosafety, quality control, and regulatory perspectives

Target Participants

Research Fellows and Scientists/Faculty from ICAR Institutes, Central & State Universities, and Colleges (**SC category only**)

(Limited seats-selection on merit basis)

How to Apply?

- Interested candidates should submit the duly filled application form (forwarded and approved by the competent authority) through email (coenpget@gmail.com)
- No hard copies will be accepted.
- TA/DA will be paid as per ICAR norms (restricted to 2nd AC fare).
- Free boarding and lodging will be provided at the Institute Guest House.
- No Training/Registration fees

📌**Last date of application: 6th February 2026**

📌 **Intimation to shortlisted candidates: 9th February 2026 (Via email)**

Chief Patron

Dr. Triveni Dutt

Director & Vice-Chancellor, ICAR-IVRI

Patron

Dr. S.K. Singh, Joint Director (Research), ICAR-IVRI

Dr. Pallab Chaudhuri, Joint Director (Bengaluru), ICAR-IVRI

Dr. S.K. Mendiratta, Joint Director (Academic), ICAR-IVRI

Dr. Rupasi Tiwari, Joint Director (Extension Education), ICAR-IVRI

Dr. Y.P.S. Malik, Joint Director (Mukteshwar), ICAR-IVRI

Dr Sohini Dey, Joint Director (CADRAD), ICAR-IVRI

Course Director

Dr Praveen K. Gupta

Principal Scientist & Project Coordinator, Veterinary Biotechnology Division

Course Coordinators

Dr Bablu Kumar, Principal Scientist, Division of Biological Products

Dr Sonalika Mahajan, Senior Scientist, Division of Biological Products

Course Co-Coordinators

Dr Abhishek, Senior Scientist, Division of Bacteriology & Mycology

Dr Prasad Thomas, Senior Scientist, Division of Bacteriology & Mycology

Dr Ajay K. Yadav, Scientist, Division of Biological Products

Course Faculty

Izatnagar Campus:

Dr C. Madhanmohan, Principal Scientist
Dr Manish Mahawar, Principal Scientist
Dr Salauddin Qureshi, Principal Scientist
Dr Praveen Singh, Principal Scientist
Dr C. Jana, Principal Scientist
Dr S.K. Biswas, Principal Scientist
Dr V. Upmanyu, Principal Scientist
Dr Gaurav K. Sharma, Senior Scientist
Dr Aditya Sahoo, Senior Scientist
Dr I. Karuna Devi, Senior Scientist
Dr M. Suman Kumar, Scientist
Dr Mukesh Bhatt, Scientist

Mukteshwar Campus:

Dr C.L. Patel, Principal Scientist
Dr Amir K. Samal, Scientist
Dr Indersan Chauhan, Scientist
Dr Amit Kumar, Scientist
Dr Siddarth Gautam, Scientist
Dr Deepika Bisht, Scientist
Dr A. Fular, Scientist

Bengaluru Campus:

Dr Dechamma H.J., Principal Scientist
Dr K.N. Viswas, Principal Scientist

APPLICATION FORM

Short-term Training Programme

Translational Genome Editing Techniques for Vaccine and Diagnostic Development

16th - 23rd February, 2026

1. Full Name (in block letters) :
2. Date of birth :
3. Gender : Male/Female
4. Caste (SC) Certificate attached : Yes/No
5. Designation :
6. Institute/University :
7. Email ID :
8. Mobile/WhatsApp No. :
9. Present address :
10. Permanent Address :
11. Previous training, if any :
12. Academic record: (10th class onward)

S. No.	Examination passed/pursuing	Subjects	Year of passing	Class/ Marks	University/ Institution	Other information, if any.

Signature of participant

Recommendation by the forwarding authority:

Signature of forwarding authority:

Date:

Designation:

Address:

Note: Submit the soft copy of the application to Course Coordinators at the email ID coenpget@gmail.com on or before 6th February 2026. The confirmation to the selected candidates will be communicated by email on 9th February 2026.