



Department of Biotechnology
Ministry of Science & Technology
Government of India

Call for Workshop/ Training Proposals in the area of Genome Editing Technologies and their Application

Genome editing represents the next step of evolution in our ability to analyse and edit the genetics of plants, animals, humans and microbes. The applications of gene editing technologies such as ZFN, TALEN, have grown significantly in recent years. Genome editing technologies and expectations from them are causing a lot of stir around the world as well as in India. The advances in genome editing can be traced back to quiet beginnings in the 1990s, but the current remarkable surge is largely because of the introduction of the CRISPR-CAS9, a genome-editing tool that can be used to make changes in sections of the DNA sequence, in 2012. The simplicity of that platform, compared with the earlier one being used, has led to its rapid adoption and expansion of its applications. Now genome editing can positively impact the sustainable development, environmental management food security and find applications in therapeutics.

Considering the importance of genome editing technologies, Department of Biotechnology, Ministry of Science & Technology, Government of India, intends to support Human Resource Development through advanced training/ workshop for capacity building and promoting use of genome engineering technologies for **Early to Mid Career Researchers & Post-Docs** working in different areas of life sciences like health research, crop improvement, environmental management, livestock improvement etc.

The workshops / training programs aim to bring together researchers in the area of Genome Editing Technologies from academia and industry. This program will also help in conceiving novel ideas, exchange points of view, and foster collaborations. Accordingly, DBT solicit proposals from well-established researchers/ institutions having proven expertise in Genome Editing Technologies for organization of workshops/ training programs.

Organization and Submission Procedure:

Overall Aim: The aim of the workshops is to emphasize emerging topics of particular interest to the participants. Workshop may include a mix Lecture and Lab schedule, invited presentations and panels that encourage the participation of attendees in active discussions. Priority will be given to proposals that not only address an exciting topic but also promise a creative format likely to generate lively interactions and foster new ideas. Examples include bringing practitioners and researchers together, as well as facilitating multi-disciplinary discussions that can lead to high impact and transformative research. Participants of the workshop should be active researchers and needs to be selected through rigorous selection process.

Total Number of Workshops to be supported through this call: Maximum 10 Workshops in regional basis to cover all parts of country.

No. of workshop in one institute: Maximum 2 workshop.

Number of Participants in each workshop: Between 20-30 (Minimum 50% participants should be on regular positions)

Level of Participants: Early to Mid Career Researchers & Post-Docs

Proposal Template: Each workshop proposal (maximum 8 pages) must include:

1. **Title of the workshop**
2. **Proposed duration and dates of workshop**
3. **Description of the technical issues covered**, emphasizing the timeliness of the proposed workshop (1-page maximum)
4. **Workshop Organizers** (names, affiliation and contact information)
5. **A short biography of the organizers** (up to 200 words)
6. **Details of ongoing research projects** with the course organizer and host institution relevant to the workshop.
7. **Details of Laboratory, Library, Accommodation and Infrastructure Facilities** available with the institution.
8. **Names of potential participants**, such as program committee members and invited speakers (indication that speakers accepted to participate is a plus)
9. **Details of clearances / permissions required, if any and plan to obtain them before organization of workshop.**
10. **Planned format of the workshop, including**
 - No. of Participants
 - Mode of Selection
 - Duration of the workshop
 - Days of workshop
 - Number of refereed papers, hot topic sessions, keynotes, panels (and panel formats) etc.
7. **Draft Call seeking applications from the prospective participants**
8. **A description of the publicity and promotion plan**
9. **A description of past versions of the workshop/ training programs organized by the organizer.**
10. **Total Budget Requirement for organization of workshop**
11. **Contribution from other Sources** (Like Industry Sponsorship/ Institute contribution)
12. **Financial Assistance required from Department of Biotechnology for conducting the course** (Estimates to be given on a realistic basis along with detailed justification for each budget heads viz. Laboratory Consumables, Accommodation, Food, Travel, Printing Books & Protocols, Local Transport, Honorarium to Experts etc.)
13. **Bank Account Details**
14. **Signatures of the Organizer (With Date & Place) and Official Stamp**
15. **Signature of Executive Authority of the Institute (With Date & Place) and Official Stamp**

Interested researchers / institutions are requested to submit **Two (2) hard (one original + 1 copy) copies** of the proposal in the above mentioned format to **Dr. Onkar N. Tiwari, Scientist 'E', Department of Biotechnology, R. No. 506, 5th Floor, Block-3, CGO Complex, Lodi Road, New Delhi 110003**. Proposal also needs to be submitted in soft copy by email (in **MSWORD and PDF format**) at onkar.dbt@nic.in & genome@dbt.nic.in with the subject line of Workshops Proposals in the Genome Editing Technologies and their Application.

Proposals will be shortlisted through committee based evaluation process. Only shortlisted applications will be intimated through mail.

Last Date for submission of the workshop proposal: 31st July, 2019