



Department of Biotechnology
Ministry of Science & Technology
Government of India

Call for Proposals in the Area of Genome Engineering Technologies and Their Applications

The Task Force on “Genome Engineering Technologies and Their Applications” invites proposals for:

- A. Development of new methods, tools, processes and platforms for genome-wide studies:
Examples include the development of multi-marker measurement at the level of single cells or a small set of cells, new molecules, tools and methods to enhance manipulation of genetic material in hosts.

Proposals should clearly specify:

- Current state of the technology in the national and international context
- Novelty of the technology being proposed to develop
- Potential applications and/or application groups.

- B. Novel applications and improvement of genome wide technology platforms as well as genome-editing methods:

Examples include the application of emerging genome-editing technologies such as CRISPR, TALEN and emerging approaches to homologous recombination in large scale, including development and establishment of high throughput techniques to modify gene expression in space and time or validating the importance of QTL/SNP loci. Development of new disease models and model systems that can significantly advance research in plant, animal, environmental and human health

Proposals should include:

- Technologies that will be used and/or improved
- Scope of development of resources to be made available for the larger biological science community
- The biological questions in the context

Preference will be given to multi-disciplinary, multi-institutional or networking efforts.

Interested applicants are requested to submit full proposal in DBT format online through E-promis (dbtepromis.nic.in) before **14th July, 2017**. A soft copy of the same proposal should also be sent over E-mail:- ghananjay.tewary@nic.in. Any clarification related to this Call may be sought from Dr. Dhananjay K. Tiwary, Joint Director, Department of Biotechnology, Block-2, CGO Complex, Lodi Road, New Delhi-110003.