Genome editing is considered as one of the decade's most significant innovation. It offers potential benefits such as treating genetic diseases, understanding molecular genetic mechanisms, producing more resilient crops...etc. The recent advances and breakthrough in the field during the last few years is tremendous, and it is critical to give young researcher the opportunity to develop their skills in this field. Topics will include:

- Basic Principles of Genome Editing Technologies: From ZNF to CRISPR
- Different modified CRISPR/Cas9 approaches and Non-Cas9 Systems for Gene Editing
- CRISPR vs. RNAi Technologies: History, Strength and Weaknesses points, Opportunities, Challenges and Future Prospects
- Ethical issues related to genome editing.

Participants
- PhD students who are involved or planning to work in the field of gene editing
- Postdocs with previous experience in gene editing and currently working or planning to work in the same field
- Academics from varies fields who show interest to include gene editing in their future projects
- Admittance is subject to selection

Funding
- Participants are expected to cover their travel and accommodations costs and pay a registration fee
- A limited number of grants, covering fee waive and twin-shared accommodation will be available for participants with good track of record in the field who are nationals of ICGEB Member States

Organiser:
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