



ICGEB

International Centre for Genetic
Engineering and Biotechnology

Meetings and Courses 2022



19-21
September

Course "Genetics and model organisms in human disease research: workshop on Assisted Reproductive Technologies (ART) in the laboratory mouse"

Rome, ITALY

Organisers:

Marcello Raspa (CNR-IBBC-EMMA, Rome, Italy), Andrés Muro and Serena Zacchigna (ICGEB Trieste, Italy), Glauco Tocchini-Valentini (CNR, European Mouse Mutant Archive – EMMA, Rome, Italy)

Contact marcello.raspa@cnr.it

Web <https://www.icgeb.org/assisted-reproductive-technologies-course-italy-2022/>

The course will address key topics of animal experimentation such as the use of archiving centers and resources, informatics and Database, phenotyping of mouse strains, and precision medicine using mouse models. The practical part will be focused on the training of students in embryo manipulation, sperm freezing and in vitro fertilization, which are techniques that are becoming a standard requisite in animal facilities all over the world. Topics will include:

- The mouse: basic principles of mouse genetics
- Mutagenesis approaches (CRISPR/Cas9)
- Phenotyping
- Informatics and Database
- The use of mouse disease models as a diagnostic and therapeutic tool
- Mouse Sperm Cryopreservation and Recovery
- In-Vitro Fertilization
- Embryo manipulation

Participants

- Researchers involved in animal experimentation
- Admittance to the Course is subject to selection. Preference will be given to junior scientists

Funding

- Participants are expected to cover their own travel costs
- Nationals of ICGEB member states selected for the practical course will benefit a grant, covering accommodation (twin share) and local hospitality
- Limited travel contribution for the practical course will additionally be available from the local organisers and external sponsors for selected students/junior scientists

Online application <https://isg.icgeb.org/auth/login>

Deadline 31 July 2022



Follow the event



#ICGEBmeeting



ICGEB Meetings and Courses Unit

Padriciano, 99
I-34149 Trieste, Italy
Tel: +39-040-3757332/7333
Fax: +39-040-226555
E-mail: courses@icgeb.org