

ICGEB

Meetings and Courses 2018

ICGEB Course

Drosophila melanogaster models for neurodegenerative diseases

17 - 20 April 2018 | Trieste, ITALY

Organiser:

Fabian Feiguin (ICGEB Trieste, Italy)

Contact courses@icgeb.org

Web <http://www.icgeb.org/drosophila-2018.html>

Drosophila models of neurological disease are essential to understand complex human pathologies in many different aspects of the biomedical research. The program of the course will cover the latest achievements in *Drosophila* state-of-the-art methodologies aimed to the accurate representation of human disease and the design of innovative therapeutic and diagnostic approaches. The lectures will include an introduction to *Drosophila* neurogenetics as well as an overview of various strategies to induce cell-type specific gene expression or silencing in the nervous system. In parallel, the course will also instruct participants on how to measure synaptic functioning, perform in vivo imaging analysis, assess altered neurological behaviors and evaluate these traits in disease models. Topics will include:

- Neurogenetics
- Synapses formation, organization and maintenance
- Molecular mechanisms of neurodegeneration
- Axonal regeneration
- Drug discovery

Participants

- Participation is subject to selection. Only a limited number of participants (20) are admitted to this Course to allow comfortable access to the instruments. Selection will be based on applicants' CV and potential benefit for their career. Geographical and gender balance, as well as priority order in the registration, will also be considered
- Priority will be given to Phd or postdoctoral students willing to adopt the *Drosophila* system in their laboratories, as well as to more senior investigators who wish to establish a fly facility in an ICGEB Member Country
- Selected participants will need to finalize their registration with payment of the relevant registration fee. (Students: Euro 100, Postdocs and Academics: 150)

Funding

- A limited number of grants will be available for nationals of **ICGEB Member States** to waive the registration fee and cover twin-share accommodation
- Interested, eligible applicants must apply online and additionally upload a MOTIVATION STATEMENT
- Requests for financial support without the necessary motivation statement will not be considered

Online application <https://www.icgeb.org/course-application-trieste-drosophila-2018.html>

Deadline 15 December 2017



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



Follow the event



#ICGEBmeeting #Drosophila

<http://www.icgeb.org/meetings-2018.html>