

25 March 5 April

Course "Optics, forces & development"

Santiago, CHILE







Organiser:

Miguel L. Concha (Biomedical Neuroscience Institute and Faculty of Medicine, University of Chile, Santiago, Chile) Co-organisers:

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Web https://www.icgeb.org/chile-optics-2019.html

This Course aims at training a selected group of students, postdocs and junior investigators in theoretical and practical aspects of in vivo microscopy and strategies for the visualization and manipulation of forces in developing tissues. It offers a stimulating inter-disciplinary environment that gathers specialists from the fields of developmental biology, physics, computer science, & electrical engineering. Topics will include:

- Optics and in vivo imaging
- Image processing and analysis
- Cell and tissue mechanics
- Physical modelling
- Cell migration and tissue morphogenesis
- Fish embryo models (zebrafish, killifish)

Participants

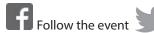
- Graduate students, postdocs and junior investigators from the fields of cell and developmental biology, physics and engineering, interested in cell and tissue morphodynamics
- Admission is limited to 20 participants to allow comfortable access to the instruments
- Participation is subject to selection from online applications. Selection will be based on applicants' CV and potential benefit for their career. Geographical (with a special focus on Latin America) and gender balance, will also be considered

Funding

- No fee is charged to attend this Course
- Selected applicants will have free accommodation (twin share) and local hospitality for the duration of the Course
- A limited number of grants will be available from ICGEB and CYTED to help covering the travel costs of participants from ICGEB Member States, Spain and Portugal. Other participants are expected to cover their own travel.

Online application https://www.icgeb.org/course-application-chile-optics-2019.html

Deadline 29 November 2018









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