

ICGEB

Meetings and Courses 2019

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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