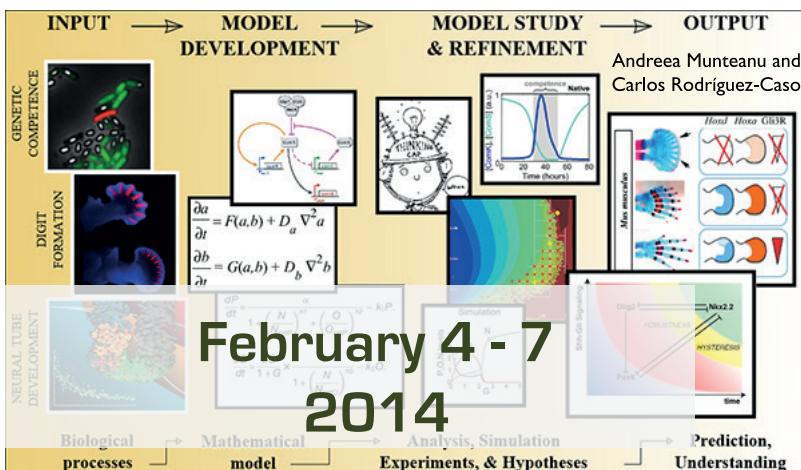




Systems Biology

Modelling Dynamics in Biology: From History to Practical Examples



The current will present an overview of systems biology with emphasis on the necessity, uses and pitfalls of dynamical modelling in biology. The main goal will be a thorough overview of the terminology and applicability range of these methodologies. The participants will get acquainted with the fundamentals of algebra and differential equations; with the history, concepts and tools of theoretical biology with emphasis on dynamic systems; and with the modelling of noise and spatial features in biological systems. As a result, they will acquire the necessary skills to understand and interpret models and modelling results from scientific articles, and will take the first steps into building their own mathematical models.

Instructors: Dr. Andreea Munteanu (Centre for Genomic Regulation, Spain) and Dr. Carlos Rodríguez-Caso (Universitat Pompeu Fabra, Spain).

Site:

Premises of Sabadell of the Institut Català de Paleontologia Miquel Crusafont, C/ de l'Escola Industrial, 23, 08201 Sabadell, Barcelona (Spain).

Schedule:

9:30-13:30 and 15:00-18:00.
Course length: 28 hours on-site.

Fees:

Reduced fee until November 30, 2013: **390 €**;
full fee: 545 €.
Places are limited to 20 participants.

Registration:

Fulfil the online form at
www.transmittingscience.org

Contact: courses@transmittingscience.org

Organisers



Collaborators

