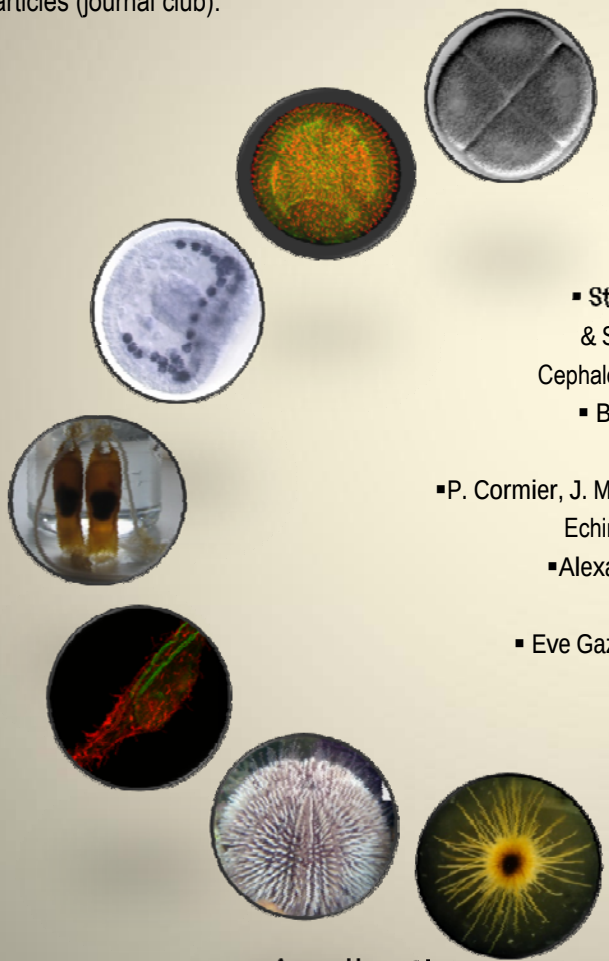
6– 17 March, 2017 ‖ Roscoff ‖ Brittany - FR

Established and Emerging Model Organisms for Marine Science

Schmid Training Course - 4V113

➢ Aim of the course: to show students how marine organisms can be used to explore several fields of biological research (see course topics page 2)

➢ Students will be actively involved in practical lab work. They will also participate to discussions and debates on selected topics from scientific articles (journal club).



Speakers & Models :

- Xavier Bailly, FR
  Acoela
- Stéphanie Bertrand, FR
  & Salvatore D'Aniello, IT
  Cephalochordata (Amphioxus)
- Bénédicte Charrier, FR
  Brown Algae
- P. Cormier, J. Morales, A. Boutet , FR
  Echinodermata (sea urchin)
- Alexander Ereskovsky, FR
  Porifera
- Eve Gazave, FR (Vervoort lab)
  Annelida
- Stefano Piraino, IT
  Cnidaria
- Nicolas Rabet, FR
  Crustacea
- Heinrich Reichert, CH
  Development & Evolution of the brain
- Bernd Schierwater, D
  Placozoa
- Simon Sprecher, CH
  Development & Evolution of sensory systems
- Sébastien Darras, FR
  Urochordata

Application

Deadline:
30th November 2016
Send a CV & motivation letter to:
agnes.boutet@sb-roscoff.fr

http://www.sb-roscoff.fr/en/ue-schmid-training-course

CNRS UPMC Station Biologique Roscoff · UPMC Sorbonne Universités · Biozentrum Universität Basel The Center for Molecular Life Sciences · Università del Salento · UNI FR Université de Fribourg Universität Freiburg

COURSE TOPICS

Behavioural studies
Cell biology
Cellular morphogenesis
Evolution
Evolutionary developmental biology (evo-devo)
Life cycle
Neuroscience
Tissue regeneration

For each model:
Life cycle
Anatomy
Embryogenesis
Genetic networks and genomic data
Functional approaches
Tools for molecular and cellular analyses

Credit points

The Schmid Training Course is part of several Master Course Programmes:

•UPMC (Université Pierre et Marie Curie)

- Master BMC – specialty « Développement et cellules souches »
- Master BI – specialty « Biologie et Bioressources Marines »

•UNISALENTO (University of Salento, Lecce)

- Master Biological Sciences specialty « Biologia sperimentale degli organismi marini »

•Basel and Fribourg Universities

- Master in Developmental and Neurobiology

Students will be awarded 6 ECTS* credits after they have successfully completed the course programme (written and oral evaluation)

* ECTS: European Credit Transfer and accumulation System (1 ECTS = 10 hours training)

Audience

The course is open to master and PhD. students interested in marine organisms development, molecular studies and evolution

Participation to the course requires knowledge of fundamental principles of molecular biology and developmental genetics. Knowledge in metazoan phylogeny and evolution is also desirable.

The teaching will be done in English

Registration fees

Course costs

50 € (only for non-UPMC students)

Lodging and food

220 € (covering meals and full board accomodation in individual room)

All selected students are also expected to cover their own travel costs