



24 May - 4 June, 2021 || SZN - Napoli ITALY



Established and Emerging Model Organisms for Marine Science

Schmid Training Course – MU4BM113

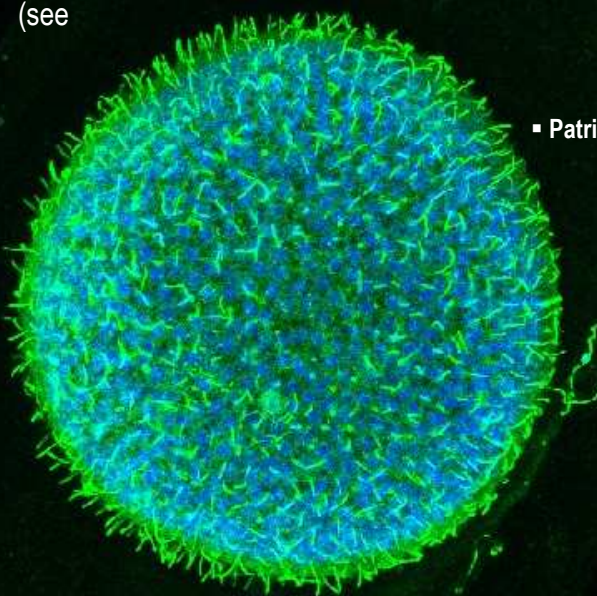


Speakers & Models

- Xavier Bailly, FR & Simon Sprecher, CH
Acoela
- Salvatore D'Aniello, IT & Stéphanie Bertrand, FR
Cephalochordata
- Agnès Boutet, FR
Chondrichthyes
- Bénédicte Charrier, FR
Brown Algae
- Patrick Cormier, Julia Morales, FR
Echinodermata
- J-P Chambon, FR
Urochordata
- Maja Adamaska, AU
Porifera
- Eve Gazave, FR
Annelida
- Raphaël Lami, FR
Marine bacteria
- Stefano Piraino, IT
Cnidaria
- Nicolas Rabet, FR
Crustacea
- Bernd Schierwater & Hans-Jürgen Osigus, DE
Placozoa

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)



Application: Send a CV & motivation letter to:

agnes.boutet@sb-roscoff.fr



UNIVERSITÀ DEL SALENTO



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Station Biologique de Roscoff

COURSE TOPICS

For each model:

Life Cycle
Anatomy
Embryogenesis
Evolution
Evolutionary developmental biology
(Evo-Devo)

Tissue and Organs Regeneration
Genetic networks and genomic data
Behaviour - Neuroscience
Cell biology
Cellular morphogenesis
Functional approaches
Tools for molecular and cellular analyses

CREDIT POINTS

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

- SU (Sorbonne Université)
 - Master BMC – specialty « Développement et cellules souches »
 - Master BIP – specialty « Biologie et Bioressources Marines »
 - UNISALENTO (University of Salento, Lecce)
 - Master Biological Sciences specialty « Biologia sperimentale degli organismi marini »
 - University of Fribourg
 - 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** students interested in marine organisms, development, molecular studies and evolution
- Fellowships covering travel and accomodation fees are available for students coming from partner universities (Salento, Hannover, SU))
- 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

