

SEAWEED IMAGING AND CELL BIOLOGY WORKSHOP AND TRAINING SCHOOL



cost
EUROPEAN COOPERATION
IN SCIENCE AND TECHNOLOGY



November 12 - 16, 2018
Station Biologique, Roscoff,
France

WORKSHOP:

“Imaging seaweed cells and tissues”

12-13 November 2018
max. 90 participants

TRAINING SCHOOL:

“State-of-the-art techniques for imaging cell and tissues of macroalgae”

14-15-16 November 2018
max. 12 participants



SPEAKERS

David Domozych
Skidmore Microscopy Imaging Center,
Biology Department, Saratoga Springs, USA

1. Fifty shades of green: the secret life of a charophyte
2. The cell walls of photosynthetic eukaryotes: common themes but mysteries galore.

Benedicte Charrier
SBR, France

Vesicle trafficking dynamics in brown algae: setting up FRAP in *Ectocarpus*

Chikako Nagasato
Muroran Marine Station, Hokkaido University, Japan

Plasmodesmata in brown algae:
structure and macromolecular transportation

Clément Laigle
Leica Co.

Light Sheet microscopy

Philippe Andrey
Institut Jean-Pierre Bourgin,
UMR1318 INRA - AgroParis Tech

Image analysis and computational modelling of cell divisions in plant early embryogenesis

Thomas Torode
Sainsbury Laboratory, University of Cambridge

Biochemical and Biomechanical techniques to study the cell walls of the brown algae

Nadine Peireyras
BIOEMERGENCE Lab

3D and 4D imaging in marine metazoa embryos

Analisa Falace
University of Trieste, Italy

Scanning electron microscopy for the study of Coralline algae

Christos Katsaros
Department of Biology, University of Athens, Greece

Cell division in brown algae:
More than 40 years of research

Frithjof C. Küpper
School of Biological Sciences, University of Aberdeen

Nano X-ray fluorescence tomography (SR-nXRF) for imaging element distribution at the subcellular level in algae

Catherine Reeb
Museum National d'Histoire Naturel (ISYEB laboratory), Paris

MorphoSnake: A semi-automated analysis of branched shapes

Amerssa Tsirigoti
Department of Biology, University of Athens, Greece

Ultrastructural and immunofluorescence study of the infection of brown algae by oomycetes

Hervé Rabillé
SBR, France

Mapping dynamic cell expansion

D. Saint-Marcoux
University Saint-Etienne, France

Laser capture microdissection in macroalgae: Cell-type specific transcriptome of *Ectocarpus siliculosus*

Cécile Hervé
SBR, France

Cell wall biology:
immunolocalisation of polysaccharides using specific probes

Kenny Bogaert
Department of Biology, Ghent University, Belgium

Maternal determination of the direction of the polarization vector in the egg of the brown alga *Dictyota* and implications of cell polarization

Bernard Kloareg
SBR, France

EMBRC and ASSEMBLE plus: European instruments to access the marine laboratories in Europe

For more information please see the Phycomorph website
www.phycomorph.org

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Venue of the workshop:
Conference room SBR
www.sb-roscoff.fr



CNRS UPMC
**Station Biologique
Roscoff**

The meeting is organized by:
Christos Katsaros,
Sophie Le Panse and
Bénédicte Charrier

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