



## 12<sup>th</sup> Advanced Phytoplankton Course - APC 12

### Identification, Taxonomy, Systematics

#### Roscoff Biological Station (France) - 19<sup>th</sup> May to 8<sup>th</sup> June 2019

APC12 is organized by the Station Biologique de Roscoff together with the Stazione Zoologica Anton Dohrn and the IOC Science and Communication Centre on Harmful Algae.

APC 12 aims to provide participants with in-depth expert knowledge on the identification, classification and phylogeny of marine microalgae (diatoms, dinoflagellates, coccolithophores, other phytoflagellates) by integrating morphological observations with molecular data and new approaches.

The intensive 3-week course will consist of lectures, practical sessions and guest seminars. A diverse collection of preserved and live material will be offered for examination in light and (for selected taxa) electron microscopy. The course will cover: methods and criteria for species identification; up-to-date taxonomic frameworks; morphological and molecular phylogeny; toxic and harmful species; general and specific aspects of phytoplankton biodiversity and biogeography.

#### Faculty

- **Cedric Berney, Station Biologique de Roscoff, France - Eukaryotes**
- **Nicolas Chomerat, IFREMER, France - Dinoflagellates**
- **Mona Hoppenrath, Senckenberg Am Meer Wilhelmshaven, Germany - Dinoflagellates**
- **Raffaele Siano, IFREMER, France - Dinoflagellates**
- **Marina Montresor, Stazione Zoologica di Napoli, Italy - Dinoflagellates**
- **Jacob Larsen, University of Copenhagen, Denmark - Dinoflagellates**
- **Carina B. Lange, Universidad de Concepcion, Chile - Diatoms**
- **Nina Lundholm, Nat. History Museum, University of Copenhagen, Denmark - Diatoms**
- **Carmelo Tomas, University of South Carolina, Wilmington - Raphidophytes**
- **Diana Sarno, Stazione Zoologica di Napoli, Italy - Diatoms**
- **Kerstin Hoef-Emden, University of Köln, Germany - Cryptophytes**
- **Adriana Zingone, Stazione Zoologica di Napoli, Italy - Chlorophytes**
- **Øjvind Moestrup, University of Copenhagen, Denmark - Chlorophytes**
- **Daniel Vaultot, Station Biologique de Roscoff, France - Chlorophytes**
- **Masanobu Kawachi, NIES, Tsukuba, Japan - Heterokonts**
- **Ian Probert, Station Biologique de Roscoff, France - Haptophytes**
- **Bente Edvardsen, University of Oslo, Norway - Haptophytes**
- **Jeremy Young, University College London, UK - Haptophytes**
- **Christophe Six, Station Biologique de Roscoff, France - Cyanophytes**

Participation is limited to 20 participants with at least a M.Sc. degree (or equivalent), with documented experience and professional interest in phytoplankton identification. The course will be taught in English and a good knowledge of English is therefore required. There will be no registration fee, but participants will have to provide for their travel expenses.

More detailed information are available on the website: <https://sites.google.com/view/apc12/home>.

Please apply **before September 1, 2018** at <https://sites.google.com/view/apc12/applications>

