



11th Advanced Phytoplankton Course - APC 11

Taxonomy and Systematics

Stazione Zoologica Anton Dohrn, Naples, 4-24 October 2015

2nd Announcement and call for applications

The aim of APC 11 is to increase and update the expertise of the students in the taxonomy and specific identification of marine diatoms, dinoflagellates, coccolithophores and other phytoflagellates, with emphasis on light microscopy and integrating molecular data and new approaches to the study of microalgae.

The programme will consist of lectures and practical sessions. A diverse collection of preserved and live material will be offered for examination in light microscopy. Selected material will be observed in electron microscopy.

Topics

- methods and criteria for species identification
- taxonomic classification and phylogeny
- molecular identification
- methods for light and electron microscopy
- single cell isolation and cultivation, serial dilution culturing
- specialized literature
- toxic and harmful species
- general and specific aspects of phytoplankton biodiversity and biogeography

- historical aspects and advanced approaches to the study of phytoplankton diversity (e.g., automated imaging systems, high throughput sequencing, meta-DNA barcoding)
- tutorials on new species discovery and description.

Faculty

- **Federica Cerino**, INOGS/OGS, Trieste
- **Mona Hoppenrath**, Forschungsinstitut Senckenberg, Wilhelmshaven
- **Wiebe H.C.F. Kooistra**, Stazione Zoologica Anton Dohrn, Naples
- **Carina B. Lange**, University of Concepción
- **Jacob Larsen**, IOC Science and Communication Centre on Harmful Algae
- **Nina Lundholm**, Natural History Museum, University of Copenhagen
- **Øyvind Moestrup**, Department of Biology, University of Copenhagen
- **Marina Montresor**, Stazione Zoologica Anton Dohrn, Naples
- **Ian Probert**, Station Biologique, Roscoff
- **Diana Sarno**, Stazione Zoologica Anton Dohrn, Naples
- **Karen Steidinger**, Florida Fish and Wildlife Conservation Commission, St. Petersburg
- **Carmelo R. Tomas**, University of North Carolina at Wilmington
- **Adriana Zingone**, Stazione Zoologica Anton Dohrn, Naples

APC 11 is organized by the Stazione Zoologica in cooperation with the University of Copenhagen and the IOC Science and Communication Centre on Harmful Algae

Participation is limited to 20 participants with PhD, MSc degree or equivalent, and with documented experience in phytoplankton identification. A good knowledge of the English language is necessary. The registration fee of € 600 includes course tuition and materials, as well as social activities.

More detailed information and the application form are available on the Stazione Zoologica website (www.szn.it)

Deadline for application is 15 November 2014

Contact address: apc11@szn.it

