

MaCuMBA SUMMER SCHOOL

Sampling, Isolation
& Cultivation of
Marine
Microorganisms

12 – 24 July 2015

Texel, the Netherlands



MaCuMBA 

The EU FP7-funded project MaCuMBA (www.macumbaproject.eu) aims to increase the rate of isolation of marine microorganisms using novel high throughput techniques for improved isolation efficiency and cultivation of marine microorganisms and screening for bioactive compounds and biotechnological applications.

Organising Institute:

The Royal Netherlands Institute for Sea Research (NIOZ):
www.nioz.nl

Organising Committee:

Prof dr Klaas Timmermans
Prof dr Lucas Stal
Prof dr Corina Brussaard

To contact by email:

firstname.lastname@nioz.nl

www.macumbaproject.eu

The MaCuMBA consortium is pleased to announce that the project will host a summer school on sampling, isolation and cultivation of marine microorganisms in July 2015. During this two-week course, participants will have the opportunity to interact with experts in the field and obtain first-hand experience of isolation and cultivation design along with various other techniques.

Dates

The course will be held from Monday 13 – Friday 24 July 2015. Participants will arrive on Sunday 12 July and depart on the afternoon of Friday 24 July.

Course Description

Morning lectures will be given by leading microbiologists who will present their ideas about the design of culture media, single cell isolation techniques, identification, and screening for bioactive compounds and their application by the biotechnology industry.

Demonstrations and hands-on practical work related to these topics will be carried out in the afternoons. In small groups, the participants will discuss and practice different isolation techniques for microbes including open seawater, marine sediments and substrates (e.g. seaweeds). A matrix of different marine systems, isolation techniques and culturing methods will be offered to the participants. Participants will design appropriate cultivation media and growth circumstances for photoautotrophic and chemoauto- and heterotrophic microorganisms. Enrichment cultures, dilution to extinction, batch and continuous cultivation, plate and cell-to-cell communication will be part of the training. Aerobic and anaerobic cultivation will be possible under different environmental conditions. State-of-the-art identification techniques will be available for processing the samples.

Location & Accommodation

NIOZ will host the MaCuMBA summer school at its site in Texel, an island in the north of the Netherlands.

The participants will be accommodated in Hotel de Pelikaan:
www.depelikaan.nl

Contact

For inquiries and registration:
Frida Kraanen
(Frida.Kraanen@nioz.nl)

Please forward this flyer to anyone who might be interested.



Confirmed lecturers:

Ada Librada Cañedo (Pharmamar, Spain)

Alexander Pretsch (Sealife Pharma, Austria)

Catarina Cuccio (University of Amsterdam (UvA), the Netherlands)

Cendrella Lepleux (German Collection of Microorganisms and Cell Cultures (DSMZ), Germany)

Colin Ingham (Microdish, the Netherlands)

David Scanlan (University of Warwick, UK)

Dominique Marie (Station biologique de Roscoff, France)

Francisco Rodriguez-Valera (Miguel Hernández University of Elche (UMH), Spain)

Gaëtan Burgaud (University of Western Brittany Brest (UBO), France)

Gijs Kuenen (Delft University of Technology, the Netherlands)

Gwenaëlle LeBlay (UBO, France)

Hans Slagter (NIOZ, The Netherlands, Austria)

Helena Vieira (University of Lisbon, Portugal)

Henk Bolhuis (NIOZ, the Netherlands)

Jerry Reen (University College Cork (UCC), Ireland)

John Day (Scottish Association for Marine Science (SAMS), Scotland)

Jörg Overmann (DSMZ, Germany)

Jörg Peplies (Ribocon, Germany)

Lynn Paterson (Heriot-Watt University, UK)

Mohammed Jebbar (UBO, France)

Silvia Cretoiu (NIOZ, the Netherlands)

Thomas Vanagt (e-Coast, Belgium)

Ulrich Tillich (Humboldt University Berlin, Germany)

Target audience

Technicians, PhD students and Postdoctoral scientists with background knowledge in microbiology (required) are invited to apply. The course is open to both MaCuMBA project partners and external applicants.

Registration & Fee

Please email Frida Kraanen (Frida.kraanen@nioz.nl) to apply. Applications should include: your name, address, institute affiliation, e-mail address, phone number, short CV and a short description of your research interests (max. one page). We ask applicants from outside the MaCuMBA project to include one reference letter.

Registration deadline: 16 March 2015

The selection committee will notify all successful and unsuccessful applicants before 20 March 2015.

The registration fee of **€975** includes:

- ✓ €100 admission fee
- ✓ Meals (breakfast, lunch, dinner and breaks)
- ✓ Transportation by bicycles
- ✓ Social activities on arrival and closing nights
- ✓ Accommodation in apartments of Hotel de Pelikaan

Course participants are expected to arrange their own travel.

Travel

The island Texel can be easily reached via the town of Den Helder, which is located about 60 km north of Amsterdam. From Schiphol airport, trains run to Den Helder via Amsterdam Sloterdijk (for timetables visit www.ns.nl/en/travellers/home). From Den Helder you take the ferry (bus takes you from railway station to ferry port) across the 'Marsdiep' tidal inlet to the island of Texel (departure every hour from 6.30AM to 9.30PM). The crossing takes about 20 minutes (more information on www.teso.nl). The venue (NIOZ) can be found directly to the right of the ferry (5 min walk).

Please note: participants are expected to bring a laptop.

