

# Eligibility and application process

The course is open to students world-wide who are currently enrolled in post graduate programs or those recently graduated (last five years) with a PhD (or equivalent) in the area of marine science and/or microbiology.

As there is a limited number of places, admission will be based on merit and the applicant's ability to demonstrate a strong interest in gaining further knowledge in microbial diversity and function in the marine environment.

**Application deadline:  
16<sup>th</sup> November 2012**

## Cost

Registration fee AUD \$650 (including morning and afternoon tea and lunch on the 10 course days, welcome/closing receptions). Other meals are additional and accommodation (also additional) can be pre-arranged. Please contact us for further information.

**Scholarships covering tuition will be awarded based on merit.**

For more information and to apply contact:  
Suhelen Egan (s.egan@unsw.edu.au),  
Or follow our website links:

Centre for Marine  
Bio-Innovation  
University of New  
South Wales  
Sydney NSW 2052  
Australia  
[www.cmb.unsw.edu.au](http://www.cmb.unsw.edu.au)

Sydney Institute of  
Marine Science  
Building 19, Chowder  
Bay Road  
Mosman NSW 2088  
Australia  
[www.sims.org.au](http://www.sims.org.au)

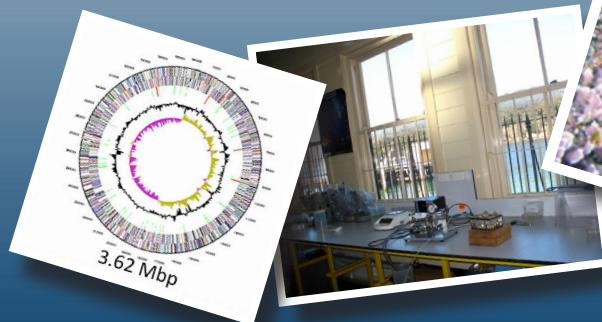
# High-quality specialist teaching

The 10 day CMB Summer Course @ SIMS brings together scientist in the fields of marine biology and microbial ecology. Teaching staff and guest lecturers include those associated with CMB and SIMS, together with internationally recognised microbial and marine ecologists including Staffan Kjelleberg, Peter Steinberg, David Bourne, Michael Kühl, David Raftos, Adriana Vergés, Mark Brown, Torsten Thomas, Tilmann Harder, Suhelen Egan, Michael Manefield, Scott Rice and Diane McDougald.

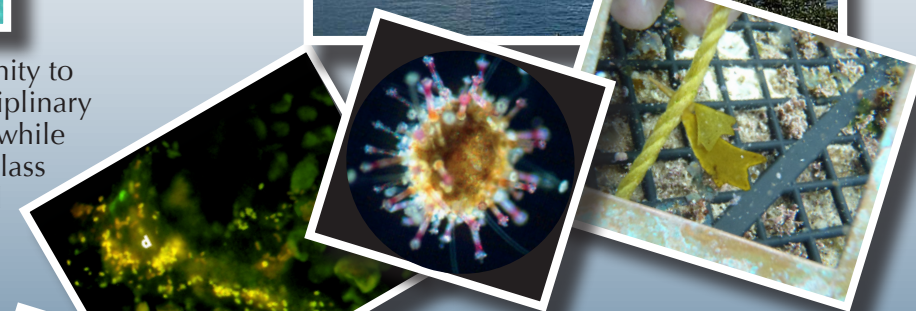


"This course is a unique opportunity to gain valuable skills in the interdisciplinary field of marine microbial ecology, while having direct access to the world-class SIMS facility for hands-on practical instruction and lectures."

- Prof. Peter Steinberg,  
CMB Director,  
SIMS Director and CEO



# CMB Summer Course on Marine Microbial Ecology @ SIMS



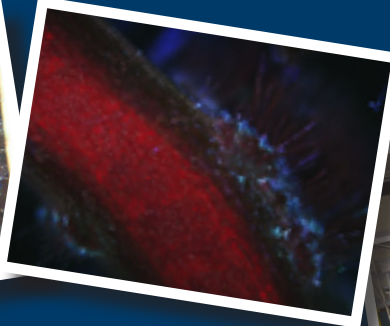
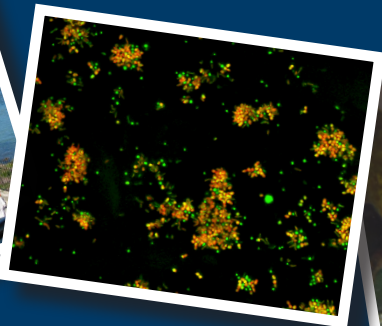
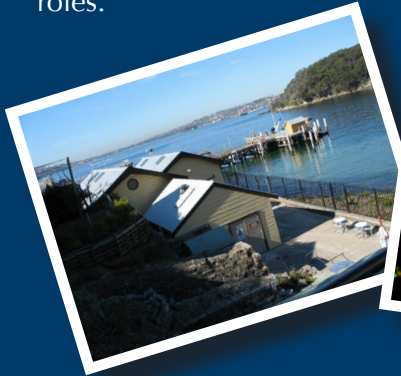
**February 4 -15, 2013  
at  
The Sydney Institute of  
Marine Science  
Sydney, Australia**



# Course description

The CMB Summer Course @ SIMS will provide a comprehensive training for students with an interest in marine microbes and ecology. Students with a background in any one of the following areas are encouraged to apply: marine science, ecology, microbiology and biotechnology.

Students will develop an integrative view of the microbes in marine ecosystems in terms of their evolution, diversity, interactions and functional roles.



## The Sydney Institute of Marine Science

SIMS is a focal point for marine science on Sydney's iconic harbour, conducting multidisciplinary marine research across five core research themes - *Urbanisation, Biodiversity, Climate Change, Ocean Resources, and Marine Management.*

The result is a world class marine research institute boasting aquarium facilities, including one of only two protected (PC2)

marine aquaria in Australia, teaching and research laboratories specialising in cell and molecular studies, microbiology, field biology and geology.

SIMS is a partnership of four founding universities: the University of New South Wales, the University of Sydney, Macquarie University and the University of Technology, Sydney, and additional universities and government groups.



*SIMS is located at Chowder Bay Mosman, in a unique heritage listed, natural bushland site that sits on the shores of Sydney Harbour.*

# Lectures & workshops

Lectures and workshops will be conducted by guest research leaders in marine microbial ecology.

The course will also offer students practical experience in the following areas:

- Experimental/sample design, field sampling, laboratory-based assays and statistical analysis
- Training in software for phylogenetic and (meta) genomic sequence analysis
- Microscopy (including fluorescence *in situ* hybridisation - FISH)
- Use of SIMS' extensive research facilities

## The Centre for Marine Bio-Innovation



CMB

The Centre for Marine Bio-Innovation (CMB) is an international focal point for interdisciplinary basic and applied research into chemically mediated interactions between organisms. Based at the University

of New South Wales in Sydney, Australia, the CMB integrates research across microbiology, marine chemical ecology, biodiversity, ecological theory, chemistry, and organism and community genomics.