

PhD OPPORTUNITY MARINE HOLOBIONTS

Impacts of environmental change on host-associated microbiomes

We are seeking a highly motivated PhD student to join a research project funded by the Australian Research Council, focused on understanding the role microbes play on the functioning and resilience of dominant, habitat-forming holobionts in coastal systems.

The project involves a multidisciplinary team of scientists with expertise in the fields of environmental microbiology and experimental field ecology. The overall aim is to determine the effect of microbial diversity and function on the performance and resilience of kelp forests that dominate intertidal and subtidal temperate reefs.

The supervisory team includes scientists from The University of Sydney, UNSW Sydney, the Sydney Institute of Marine Science (SIMS) and the Singapore Centre for Environmental Life Sciences Engineering (SCElse, Nanyang Technological University):

[Dr Ziggy Marzinelli](#) (The University of Sydney, SIMS, SCElse)

[Professor Peter Steinberg](#) (UNSW Sydney, SIMS)

[Professor Staffan Kjelleberg](#) (SCElse)

[Dr Kimberley Lema](#) (UNSW Sydney, SIMS)



THE APPLICANT will need to be highly motivated and interested in marine and microbial ecology. Underwater fieldwork skills including snorkelling, and car driver's licence are needed. Microbiology skills, boating and/or SCUBA diving experience are desirable but not essential.

START DATE: From 31 March 2019. Please see scholarship opportunities detailed below.

SCHOLARSHIPS FOR AUSTRALIAN AND INTERNATIONAL STUDENTS: Students are expected to apply for an [Australian Government Research Training Program Scholarship](#) through The University of Sydney. Scholarship applications are open all year round, with [four deadlines throughout the year](#).

International scholarships are highly competitive. Please note the following minimum requirements apply for an **international** scholarship:

- BSc equivalent to First Class Honours and/or Masters by Research
- At least one publication in ISI or Scopus scientific journals
- Work experience in marine ecology / microbiology

More information on other scholarship opportunities [here](#).

Contact: Dr Ziggy Marzinelli - e.marzinelli@sydney.edu.au
Please include a copy of your CV and academic transcript.