



POSITION DESCRIPTION

Job Title:	Research Associate
Type of Employment:	Full Time, fixed term 2 year appointment.
Remuneration:	A salary package consisting of: Salary commencing at \$83,902 p.a. Employer superannuation of 9.5% Annual Leave Loading
Closing Date:	21/3/2015
Further Information:	Professor Emma Johnston e.johnston@unsw.edu.au

BACKGROUND

Sydney Institute of Marine Science is a collaborative research and training institute bringing together the scientists from six NSW universities plus state and federal marine and environmental agencies. This collaborative venture is based at the former defence depot at Chowder Bay adjacent to Clifton Gardens and enables marine scientists and students in Sydney and NSW to investigate links between nearshore marine environments, urban harbours, fisheries, ocean processes and marine biodiversity.

Initiated by the Sydney Institute of Marine Science (SIMS), the aim of the World Harbour Project is to link, facilitate, and enhance programs of research and management across major urban harbours of the world. The project will establish a coordinated network of research, researchers and managers, bringing global best practice in understanding and managing urban waterways to the 14 participating international partners, which include some of the world's most iconic cities.

A major theme of the World Harbour Project is "Eco-engineering in urbanised marine environments". As part of the WHP SIMS is seeking a Research Associate Marine to manage the Sydney Harbour component of the Eco-engineering research project. They will manage and conduct experiments within Sydney harbour and will liaise with other partners to assist with global development and testing of designs and theories.

DUTY STATEMENT

Primary Purpose of Position

To manage and conduct research projects as part of an SIMS funded research project as part of the World Harbour Project. This position will also involve the development of new grants and/or commercial research projects and preparation of data for publication.

Principal Accountabilities

Research from grant and contract will be published in a range of highly regarded (cited) ecological, environmental management and marine biological journals to disseminate the results to researchers and environmental managers in universities, government and industry. The employee will be responsible for the collation, analysis and writing of the required grant research papers and reports. This will be conducted in collaboration with supervisors.

The employee will also take part in meetings and public seminars for each of the grant activities.

Duties

- The employee will project manage a recent successful philanthropic grant awarded to SIMS to develop eco-engineering designs for Sydney Harbour intertidal and shallow subtidal habitats. This will include collection of data, its management and analysis; report writing and responsibilities for the day-to-day running of the research project, including conducting experiments, identifying and sampling marine organisms, maintenance of equipment, sourcing of materials, logistics, conducting and overseeing fieldwork and direct supervision of research assistants and honours and PhD students.
- This position may also involve SIMS based activities such as the development of new grant applications and research projects, the preparation of previously collected research data for publication, public seminars and colloquiums, and service on various SIMS based committees.
- Coordinate workshops and seminars within the World Harbour eco-engineering research group based on current areas of expertise and emerging methods.
- Cooperate with all health and safety policies and procedures of SIMS and take all reasonable care to ensure that their actions or omissions do not impact on the health and safety of others in the institution
- Ensure that the work for which they are responsible is carried out in ways, which safeguard the health and safety of staff, volunteers or students in their charge and visitors, including contractors whom they engage
- Identify, assess, prioritise and control risks to the health and safety of staff, students, volunteers and visitors and to the environment arising from the operation of the project.
- Ensure that a system of work that is safe and without risk to health is developed, documented and followed by staff, volunteers and students through appropriate training, supervision and monitoring

Reporting Relationship

This position reports to the Prof Emma Johnston (Director, WHP Eco-engineering Working Group) & A/Prof Melanie Bishop.

SELECTION CRITERIA

Essential Criteria

- PhD in Marine Biology or Ecology;
- Postgraduate experience in experimental design and statistics;
- Experience managing research projects;
- Experience producing contract research reports and scientific publications
- Excellent written and oral communication skills;
- Demonstrated ability to work independently, and in a team environment;
- Willingness to conduct fieldwork outside of Sydney, including international field sites;
- An understanding of university workplace health and safety policies;
- Willingness and capacity to implement required WHS policies and safe work practice;
- Ability and capacity to identify, assess, prioritise and control the risks to the health and safety of staff, students and visitors and to the environment arising from the unit's activities;
- Demonstrated ability to implement equal opportunity policies and programs;
- Current driving licence.

Desirable Criteria

- Experience with marine invertebrate identification;
- Experience in analytical chemistry of major nutrients and water quality parameters;
- Boating and diving skills and qualifications;
- Experience in next generation molecular research, bioinformatics and/or population genetic analyses;
- Experience conducting fieldwork in intertidal and/or shallow subtidal environments;
- Demonstrated experience in co-supervising undergraduate and/or postgraduate students on research projects;
- Demonstrated track record of working with industry partners.

APPLICATION

Applications must consist of the following:

- **Covering Letter**, The covering letter should include your contact address and telephone number. This is an opportunity in not more than one page to introduce yourself and outline the key reasons why you should be considered for the role.
- **Curriculum Vitae or Resume**, This is a history of your employment and experience that covers the following areas:
 - i. Educational qualifications that detail the full title of the qualification, year attained and title of the institution attended.
 - ii. Employment history in chronological order, starting with the most current position and specifying dates of employment, title of position, name of employer, main duties or accountabilities and achievements.
 - iii. The names and contact details (preferably phone & email) of three referees, including if possible a senior person (preferably your supervisor) closely associated with your current position.
- **Selection Criteria**, A statement addressing how you meet each of the selection criteria is required to assist the Selection Committee to determine whether you have the relevant qualifications, experience, knowledge/skills and personal qualities.

Applications are to be sent to:

Professor Emma Johnston
Sydney Institute of Marine Science
Building 19
Chowder Bay Road
Mosman NSW 2088

Or email: e.johnston@unsw.edu.au

Please note:

- Applications should be typed
- Do not send applications that are bound or enclosed in plastic or manila folders
- Staple the application at the top left hand corner
- Retain a copy for your reference, applications will not be returned to the applicant

Selection Process

A Selection Committee will consider all applications and shortlist candidates for interview who appear to meet the selection criteria at the highest levels. They will be invited to attend an interview and the remaining unsuccessful applicants will be notified accordingly.