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## Graduate Program in Evolution & Ecology 2016

The graduate program of the Evolution & Ecology Research Centre (E&ERC) at UNSW aims to foster excellence in postgraduate research and supervision, and the development of skills to better equip research students for careers in science. Students are offered support for their own research projects and a wide-ranging program of activities aimed at developing a broader conceptual understanding of the discipline and enhanced research skills. Excellence in postgraduate research is recognised by annual prizes for theses, publications, presentations and other research activities.

### Degree programs supported

The graduate program supports the research students of the academics and research fellows in the E&ERC. These are from the School of Biological, Earth and Environmental Sciences (BEES), the School of Biotechnology and Biomolecular Sciences (BABS), School of Mathematics and Statistics, School of Humanities and Languages and the School of Economics. The students may be enrolled in the following postgraduate research degrees:

**Doctor of Philosophy (PhD):**

3-4 years full time

**Master of Science by Research (MSc):**

2 years full time

**Master of Philosophy\* (MPhil):**

1.5 years full time, 18 units of  
credit coursework, 54 units of  
credit research

\*The MPhil provides an alternative to the Honours year for those students with an excellent academic record, providing greater research experience and a postgraduate degree within 18 months of completing undergraduate studies. MPhil places within the E&ERC are offered on a competitive basis.

Students are required to enroll through the school of their supervisor. The supervisor may then elect students to be part of the E&ERC graduate program.

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## FEATURES OF THE GRADUATE PROGRAM

### Expectations for our Postgraduate Students

The postgraduate program has been developed to facilitate interactions between all members of the E&ERC. Broad participation of E&ERC students and staff enhances the experience of postgraduate students through increasing collaboration (and socialising) and promoting the transfer of skills between centre members. Postgraduate students are expected to participate in the E&ERC functions, and attend research seminars and the postgraduate research forum.

As a general rule, *all* postgraduate students should attend E&ERC seminars, both regular seminars in the E&ERC series (Fridays, every other week) and special seminars given by visiting scientists. Students should also anticipate participating in *at least one* E&ERC workshop during their tenure and attend at least one E&ERC event each year that does not include specialty workshops. Active participation in postgraduate events is an important aspect of life as a postgraduate student, and is also taken into consideration during deliberations for E&ERC's postgraduate grants, annual prizes and other awards.

### Postgraduate Research Forum

Twice each year, the research activities of students are featured in the BEES Postgraduate Forum and the research forums of other home Schools. Presentations from students across the Centre, and associated social events, promote the effective communication of science and allow students to receive valuable feedback from fellow students and academics. The first forum will be held in June 2016, and the second in November (usually the week after the last teaching week of each session). All students are expected to attend, organising their research (i.e. fieldwork commitments) well in advance of these dates.

### E&ERC Research Seminars

The Centre features regular research seminars on alternate Friday afternoons (3 pm, Mathews Theatre D) by resident and visiting academics and research fellows. Attendance at these seminars is considered essential for exposure to wide variety of evolutionary and ecological research topics, critical thinking beyond a student's individual project and gaining potential contacts.

Seminars are coordinated by A/Prof Shinichi Nakagawa ([s.nakagawa@unsw.edu.au](mailto:s.nakagawa@unsw.edu.au)). Students should check the E&ERC website for dates and times of upcoming seminars.

### Distinguished Visitor Program

The E&ERC hosts extended visits from distinguished research scientists. The visitors will give research presentations, participate in workshops and discussions, meet individually with research students, and attend dinners or other social events.

Students with ideas for potential visitors should contact A/Prof. Shinichi Nakagawa ([s.nakagawa@unsw.edu.au](mailto:s.nakagawa@unsw.edu.au)) with their suggestions.

Previous distinguished visitors have included:

- Prof Martin Thiel, Universidad Catolica del Norte (2015)
- Dr Sasha Dall, University of Exeter (2015)
- Prof Maciej Boni, Oxford University Clinical Research Unit, Ho Chi Minh City
- Prof. Jeffrey H. Schwartz, University of Pittsburgh (2014)
- Prof. Martin Daly, University of Missouri (2014)
- Dr Donald Baird, University of New Brunswick (2014)
- Prof. Terrie Williams, University of California, Santa Cruz (2013)
- Prof. Felisa Smith, University of New Mexico (2013)
- Prof. Ken Heck, Dauphin Island Sea Lab, USA (2012)

## Conferences and Meetings

The E&ERC hosts conferences and workshops on areas of research strength. In these conferences, academics and postgrads from the E&ERC, and other Australian and global researchers present seminars and participate in discussion groups on current and future research directions in that research area.

Previous conferences hosted by the E&ERC have included:

- 2014: “Phenotypic Variation and Evolution” Symposium on 15 and 16 September hosted by Dr Lisa Schwanz. This conference (27 speakers and 36 attendees) brought together researchers and academics from around Australia.  
On 18 September 2014, Dr Lisa Schwanz ran a two hour workshop “How to apply for a job” for BEES HDR students. There was a panel of experts in academia, government and consultancies who were able to offer their advice and tips to the students.
- 2014: On 2 - 4 April 2014 Habacuc Flores- Moreno organised the “Meta-analysis and data compilation” workshop with presenters Dr Will Cornwell and A/Prof Shinichi Nakagawa.
- 2014: “Cooperation and Conflict in the family” organised by Centre Director, Rob Brooks and Jason Collins. This conference brought together leading economic and evolutionary researchers to explore the nature of conflict and cooperation between the sexes in the areas of marriage, mating and fertility. The conference also provided an opportunity for researchers to discuss the economic and evolutionary biology approaches to these issues, explore common ground and identify collaborative opportunities.
- 2013: “Colour analysis” workshop Dr Michael Kasumovic organised this 2 day workshop that covered the different techniques used in colour analysis and the research that individuals are doing now.
- 2012: “Shifting species interactions and the tropicalisation of temperate marine ecosystems”, which brought together ecologists and oceanographers from Australia, USA, Japan and Spain to discuss and review the ecological impacts of climate-mediated changes in species interactions.

## Student Steering Team

A committee of 5 postgraduate students from various labs work with Centre directors and academics to ensure postgraduate students have a direct say in current and future activities of the Centre. The committee is also responsible for developing new initiatives where gaps are evident in the graduate program. The committee arranges and hosts student-invited external speakers, instigates social events focused on integrating new postgrads and creating a sense of belonging, as well as evaluates new workshop ideas and Start-Up grant applications.

Student tenure on the steering team circles on an annual basis and is open to nominations from any E&ERC postgraduate student. Most current members are 2<sup>nd</sup> year PhD students, but this is by no means an explicit requirement. Calls for new nominations go out on a 6-month basis.

The 2016 team: Teagan Gale, Amy Hooper, Kobe Martin, Nina Schaefer and Tom Summers.

## Social functions

The centre hosts regular social events associated with the Postgraduate Research Forum, visits by distinguished scientists and final seminars by completing postgraduate students. In addition, the E&ERC hosts some less formal social events such as the Quiz and Cuisine night, and beginning of year mixers.

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## DEVELOPMENT OF RESEARCH SKILLS

### **Workshops**

The E&ERC hosts regular workshops, courses and discussions throughout the year aimed at improving the research skills of postgraduate students. These will be held by centre academics, research fellows and distinguished visitors. Postgraduate students are encouraged to be actively involved in the selection of topics that will most benefit their research project and development as a research scientist.

Details on specific workshops will be announced during the year and are typically centred on the following themes:

**Writing skills.** The centre strongly promotes the written communication of research via journal articles, and the popular media. Workshops will give guidance in all steps of the publication process: manuscript preparation, selection of appropriate journals, dealing with reviewers' comments and manuscript revisions. Excellence in publication is recognised by the annual E&ERC postgraduate award for "Outstanding Paper in Evolution and Ecology".

Communicating research to the broader community is encouraged via preparation of articles for the popular press, and promotion of student research on the E&ERC web page. Excellence in scientific communication in addition to journal articles is recognised by the annual E&ERC award for "Outstanding Evolution & Ecology Postgraduate Researcher".

**Practical skills:** Academics, research fellows and distinguished visitors will periodically present workshops on specific skills relevant to their research (e.g., advanced statistical analyses). A database of research skills held by centre staff and students will facilitate skill sharing among postgraduate students.

Students should check the E&ERC website for dates and times of upcoming events.

### **Special Interest Seminar Series:**

In 2016 A/Prof Shinichi Nakagawa is organizing seminars by centre academics on various topics, such as, how to publish in a good journal, how to write well and a lot, conducting reproducible research, how to deal with referee reports, philosophy and improving your science, preparation for getting a job in academia. The seminar will be followed by a discussion. These will be held every fortnight in Semester 2. Details will be on the Centre website when they come to hand.

### **Past special interest courses have included:**

Semester 2, 2014. **How to apply for a job.** (Lisa Schwanz)

Semester 2, 2012. **Strategies for successful publishing in ecology and evolution.** (Alistair Poore and Terry Ord)

### **Postgraduate Writing and Skills Transfer Scholarship**

These scholarships support students who have recently submitted their PhD theses to continue the preparation of journal articles from their theses. Students receiving this scholarship will also present a short course. The short course is usually based upon the skills they developed during their tenure as PhD students and is presented to students in the E&ERC graduate program. The aim of these scholarships is to maximise research output (and to increase competitiveness for post doctoral research fellowships and research positions), and to facilitate the transfer of professional and research skills between post graduate students. Information on the application requirements and submission dates for these scholarships is available on the E&ERC website.

Previous skills transfer courses have included:

**How to use the power of modelling alongside your empirical findings and ideas**

(Justin Wan, 2016)

**From Sample to Sequence: can molecular methods help me and my research**

(Melanie Sun & Sandra Vardeh, 2015)

**Money Makes the World Go Round** (Grant writing techniques for beginners; Rhiannon

Dalrymple, 2015)

**Introduction to GIS in Ecology** (Suzanna Evans, 2015)

**Introduction to MATLAB for ecologists** (Natasha Henschke; 2014)

**Tree-thinking** (Anna Namyatova; 2013)

**Effective strategies to networking** (Katelyn Edge; 2013)

**Winning Presentations** (Marie Attard; 2013)

**Clarity, Intrigue and Persuasion: Making Your Scientific Writing Worth Reading**

(Margo Adler; 2012)

### Research Discussion Groups

Students and staff regularly meet to discuss ideas in evolution and ecology. These groups feature discussions of published papers, short presentations of student research, and sessions for planning proposed research. Currently active discussion groups include:

- **Evolutionary biology lab:** contact Russell Bonduriansky ([r.bonduriansky@unsw.edu.au](mailto:r.bonduriansky@unsw.edu.au))  
Group meets every alternate Thursday afternoon
- **Molecular Ecology:** Sherwin laboratory, contact Sven Delaney ([s.delaney@unsw.edu.au](mailto:s.delaney@unsw.edu.au))
- **Marine ecology and evolution:** Johnston & Poore and laboratories, contact: Dr Mariana Mayer Pinto [m.mayerpinto@unsw.edu.au](mailto:m.mayerpinto@unsw.edu.au)
- **Fisheries and marine environmental research:** Suthers laboratory, contact Iain Suthers ([i.suthers@unsw.edu.au](mailto:i.suthers@unsw.edu.au)) Group meets Monday 11 a.m. Semester 1 and Monday 10 a.m. Semester 2.
- **Ecochats:** a fortnightly discussion group held in the Big Ecology Lab, attended by people from a range of research groups within BEES. contact Floret Meredith ([f.meredith@unsw.edu.au](mailto:f.meredith@unsw.edu.au))
- **Eco-Stats lab:** Monthly computer-based tutorials by David Warton's Eco-Stats group concerning modern statistical methods for ecology and related disciplines. Last Friday of the month, Bioscience level 6 computer lab. Contact Mitchell Lyons ([Mitchell.Lyons@unw.edu.au](mailto:Mitchell.Lyons@unw.edu.au)).

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## **DEVELOPMENT OF A RESEARCH CAREER**

There is more to developing a research career than simply finishing a postgraduate degree. With experienced mentors, we aim to provide resources and advice for students at various steps along the pathway to a research career. The most tangible way the centre achieves this is through special interest courses in which faculty and senior postgraduates provide advice on various aspects of a successful research career, including funding opportunities, grant writing, research networking, and finding employment. These courses are recurrent and will generally overlap a student's tenure within the graduate program (e.g., see the list of Special Interest Advanced Courses in the previous section 'development of research skills'). Nevertheless, new students should feel free to contact Dr. Terry Ord (t.ord@unsw.edu.au) or any of the members of the Student Steering Team to express interest in any past courses that have not been run recently, or to propose ideas for any new, future courses that might be run by the centre.

## **RECOGNITION OF RESEARCH EXCELLENCE**

Each year, the E&ERC awards prizes that recognise excellence in postgraduate research conducted at UNSW. We offer the following prizes:

### **Outstanding Evolution and Ecology Student Paper**

- Awarded to a study published in each calendar year with research conducted at UNSW and postgraduate student as first author.
- The paper will be selected by the E&ERC Education Subcommittee based on the significance and originality of the research, and quality of the journal in which it was published.

### **Outstanding Evolution and Ecology Presentation**

- Awarded to an outstanding oral presentation at the BEES Postgraduate Forum.
- The outstanding presentation will be selected by a panel of academics, research fellows and postgraduate students. All students presenting in a given forum will be considered for the prize.

### **Outstanding Evolution and Ecology (Postgraduate) graphic**

- Awarded to the student who has a graphic within a study or paper that illustrates the data and or findings in the most effective way.
- The graphic needs to be captioned and will be selected by the E&ERC Education Subcommittee based on the effectiveness of how data and or findings is presented and conveyed.

### **Outstanding Evolution and Ecology (Postgraduate) Researcher**

- Awarded to a student with outstanding overall research performance in each calendar year.
- The student will be selected by the E&ERC Education Subcommittee based on the significance and originality of the research conducted, research output (publications and conference presentations) and contributions to outreach and E&ERC activities.

### **Outstanding Evolution and Ecology Thesis**

- Awarded to a thesis approved for the degree of PhD, MSc or MPhil.
- The thesis will be selected by the E&ERC Education Subcommittee based on the significance and originality of research, comments from thesis examiners, research output, and documented evidence of impact. All theses submitted in a calendar year will be considered for the prize.

To be eligible for the paper or researcher prizes, students must nominate themselves or their publication. Forms will be available on the E&ERC website, with details of nomination closing dates.

## SUPERVISION AND PROGRESS

### Supervision

Each postgraduate student will have a supervisory panel, comprising the student's supervisor and co-supervisor(s). A student may have joint supervisors if more than one academic is equally responsible for a given project. In addition, a minimum of **two academics** should be chosen as panel members in consultation with them and the student's supervisor. While the student will meet regularly with the primary supervisor, an important role of the supervisory panel is to assess progress and provide feedback on project and thesis planning via annual progress meetings (see below). The UNSW policy on postgraduate supervision can be found at: [www.policy.unsw.edu.au/policy/higher\\_degree\\_research\\_supervision.htm](http://www.policy.unsw.edu.au/policy/higher_degree_research_supervision.htm)

### Introductory Research Proposal

Within four months of commencing their project, students participating in the E&ERC graduate program are expected to submit a written introductory research proposal. The proposals are modeled on part of the grant proposals that are submitted each year to the Australian Research Council Discovery Projects scheme.

The proposal\* should include text in the following sections:

***Student and supervisor(s):***

***Project title:***

***Aims and background:***

- Describe the aims and background of the project.
- Include information about recent international progress in the field of the research and the relationship of this project to work in the field generally

***Significance and innovation:***

- Describe how the research is significant and whether the research addresses an important problem.
- Describe how the anticipated outcomes will advance the knowledge base of the discipline (e.g., what important gaps in our understanding of a particular topic will your project address?) and why the project aims and concepts are novel and innovative.
- Detail what new methodologies or technologies will be developed in the course of the project.

***Approach and methodology***

- Outline the conceptual framework, design and methods, and demonstrate that these are adequately developed, well integrated and appropriate to the project aims
- Include a research plan and proposed timelines.

***References:***

\*Page limit: 5 pages.

## Research Presentations

Students enrolled in a **PhD program** are expected to give research presentations once each year at the BEES Postgraduate Forum, and a final seminar after completion.

- **annual research seminars** (typically 12 minutes +3 for questions). The research seminars are expected to be in the style of a conference presentation, covering one aspect of the project.
- **exit seminar** (30 minutes + 10) An exit seminar scheduled as a special centre seminar typically followed by a reception.

Students enrolled in a **MSc program** are expected to give research presentations once each year at the BEES Postgraduate Forum, and a final seminar after completion.

- **annual research seminars** (12 minutes +3 for questions)

Students enrolled in a **MPhil program** are expected to give one research presentation at the BEES Postgraduate Forum, and a final seminar after completion.

- **research seminar** (12 minutes +3 for questions)

## MPhil Coursework

The degree of Master of Philosophy has coursework requirements in addition to the submission of a thesis. The degree is comprised of the equivalent of between 18 and 24 Units of Credit (UoC) of coursework with the remainder of the degree allocated to the thesis.

This coursework should be successfully completed within the first two semesters of enrolment of the MPhil unless approval is given by the Committee.

For the details of these requirements see:

<http://www.handbook.unsw.edu.au/research/programs/2016/2475.html>

## Progress Reporting

### **Annual progress reports**

Students are required to submit annual progress reports within the first 12 months of enrolment, and again for each year enrolled. The UNSW policies on adequate progress are available at:

[www.grs.unsw.edu.au/currentstudents/progress.html](http://www.grs.unsw.edu.au/currentstudents/progress.html)

Student participation in the events presented as part of the E&ERC graduate program should be documented as "other achievements" in section B3 of the form. Student contributions in this regard will be assessed by supervisors and recognised by the annual prize for Outstanding Postgraduate Researcher.

### **Major project review**

For PhD students, the Annual Progress report that occurs after four enrolled sessions (or pro-rata for part-time students) must include a detailed review of progress toward thesis completion (section B2), and planning for remaining research (section B4). Section B4 of the form should include a thesis outline with all completed chapters, planned chapters and intentions for research publication.

A major project review and review presentation should also be undertaken by students in the MSc program wishing to transfer to the PhD program.

### **Postgraduate committee meetings**

Once a year, students will meet with their supervisory panel and members of the E&ERC Education subcommittee to assess progress, provide feedback on project ideas and plan for thesis completion. The meetings also offer an opportunity for students to raise issues in the absence of their supervisor if needed. Meetings will occur in association with the submission of Annual Progress Reviews.

Changes to your enrolment status and major difficulties should be discussed with your supervisor, panel and with your school's postgraduate coordinator.

### **Completion**

**Thesis submission.** The Graduate Research School has detailed instructions for the submission of higher degree theses: <http://www.grs.unsw.edu.au/currentstudents/thesis.html>. Students must lodge a notification of intention to submit two months prior to submission.

**Ceremonies for final completion.** The E&ERC will host ceremonies for the successful completion of higher degrees. Students that have recently submitted their theses will present their final seminar to an audience of centre members and invited guests followed by drinks and snacks.

## Summary of progress requirements

### *PhD: starting Session 1, 2016*

| Year | Sessions enrolled | Written submissions                                       | Oral presentations                                 | Meetings of supervisory panel |
|------|-------------------|---|--|-------------------------------|
| 1    | 1                 | Introductory proposal within 4 months of enrolment        |  |                               |
|      | 2                 | Annual Progress review Oct 2016                           | Research seminar Nov 2016                          | Nov 2016                      |
| 2    | 3                 |   |  |                               |
|      | 4                 | Annual Progress review with major project review Oct 2017 | Research seminar Nov 2017                          | Nov 2017                      |
| 3    | 5                 |   |  |                               |
|      | 6                 | Annual Progress review Oct 2018                           | Research seminar Nov 2018                          | Nov 2018                      |
|      | 7-8               | Submit thesis 3-4 years                                   | Final seminar within 3 months of thesis submission |                               |

### *PhD: starting Session 2, 2016*

| Year | Sessions enrolled | Written submissions                                       | Oral presentations                                | Meetings of supervisory panel |
|------|-------------------|---|---|-------------------------------|
| 1    | 1                 | Introductory proposal within 4 months of enrolment        |   |                               |
|      | 2                 | Annual Progress review, May 2017                          | Research seminar Jun 2017                         | Jun 2017                      |
| 2    | 3                 |   |   |                               |
|      | 4                 | Annual Progress review with major project review May 2018 | Research seminar Jun 2018                         | Jun 2018                      |
| 3    | 5                 |   |   |                               |
|      | 6                 | Annual Progress review May 2019                           | Research seminar Jun 2019                         | Jun 2019                      |
|      | 7-8               | Submit thesis 3-4 years                                   | Exit seminar within 3 months of thesis submission |                               |

**MSC: starting Session 1, 2016**

| Year | Sessions enrolled | Written submissions   | Oral presentations           | Meetings of supervisory panel |
|------|-------------------|---|------------------------------|-------------------------------|
| 1    | 1                 | Introductory proposal within 4 months of enrolment              |                              |                               |
|      | 2                 | Annual Progress review, Oct 2016                                | Research seminar<br>Nov 2016 | Nov 2016                      |
| 2    | 3                 |   |                              |                               |
|      | 4                 | Annual Progress review Oct 2017<br>Submit thesis<br>1.5-2 years | Research seminar<br>Nov 2017 | Nov 2017                      |

**MSC: starting Session 2, 2016**

| Year | Sessions enrolled | Written submissions   | Oral presentations           | Meetings of supervisory panel |
|------|-------------------|---|------------------------------|-------------------------------|
| 1    | 1                 | Introductory proposal within 4 months of enrolment              |                              |                               |
|      | 2                 | Annual progress review May 2017                                 | Research seminar<br>Jun 2017 | Jun 2017                      |
| 2    | 3                 |   |                              |                               |
|      | 4                 | Annual progress review May 2018<br>Submit thesis<br>1.5-2 years | Research seminar<br>Jun 2018 | Jun 2018                      |

**MPhil: starting Session 1, 2016**

| Year | Sessions enrolled | Written submissions                                | Oral presentations           | Meetings of supervisory panel |
|------|-------------------|--|------------------------------|-------------------------------|
| 1    | 1                 | Introductory proposal within 4 months of enrolment |                              |                               |
|      | 2                 | Annual progress review, Oct 2016                   | Research seminar<br>Nov 2016 | Nov 2016                      |
| 2    | 3                 | Submit thesis<br>1.5 years                         |                              |                               |

**MPhil: starting Session 2, 2016**

| Year | Sessions enrolled | Written submissions                                | Oral presentations           | Meetings of supervisory panel |
|------|-------------------|--|------------------------------|-------------------------------|
| 1    | 1                 | Introductory proposal within 4 months of enrolment |                              |                               |
|      | 2                 | Annual progress review, May 2017                   | Research seminar<br>Jun 2017 | Jun 2017                      |
| 2    | 3                 | Submit thesis, 1.5 years                           |                              |                               |

## RESOURCES

**E&ERC website:** <http://www.eerc.unsw.edu.au/>

**E&ERC on facebook:** <https://www.facebook.com/EERC.UNSW>

### **E&ERC Education Subcommittee**

The development of the Graduate Program in Evolution & Ecology is the responsibility of the Education Subcommittee of the E&ERC. In 2016, the committee is directed by Dr Terry Ord (Deputy Director/Education) who should generally be the primary point of contact for all E&ERC postgraduate students.

A/Prof. Rob Brander is the postgraduate coordinator for the School of Biological, Earth and Environmental Sciences, and a member on the Faculty of Science Faculty higher degree committee. He is available to help with issues of enrolment, reporting requirements and completion.

### **Further information on postgraduate study at UNSW**

**Graduate Research School.** The GRS is the central administrative and support unit for all higher degree research students and their supervisors at UNSW. Their website has extensive information on postgraduate policies, available scholarships, forms that you will need, and resources available for students at UNSW.

Web: [www.grs.unsw.edu.au](http://www.grs.unsw.edu.au)

Email: [enquiries.grs@unsw.edu.au](mailto:enquiries.grs@unsw.edu.au)

Ph: 9385 5500/5502

#### ***School of Biological, Earth and Environmental Sciences***

Web: <http://www.bees.unsw.edu.au/current/postgraduate>

Postgraduate coordinator: A/Prof. Rob Brander, Ph: 9385 8095,

Email: [r.brander@unsw.edu.au](mailto:r.brander@unsw.edu.au)

#### ***School of Biotechnology and Biomolecular Sciences***

Web: [http://www.babs.unsw.edu.au/future\\_students/future-students](http://www.babs.unsw.edu.au/future_students/future-students)

Postgraduate coordinator: Dr Li Zhang, Ph: 9385 2042,

Email: [l.zhang@unsw.edu.au](mailto:l.zhang@unsw.edu.au)

#### ***School of Mathematics and Statistics***

Web: <http://www.maths.unsw.edu.au/currentstudents/postgraduate-research>

Postgraduate Coursework coordinator: Dr Gery Geenens, Ph: 9385 7032, Email: [pg.MathsStats@unsw.edu.au](mailto:pg.MathsStats@unsw.edu.au)

Postgraduate research coordinator: A/Prof David Warton, Ph: 9385 7031, Email: [re.MathsStats@unsw.edu.au](mailto:re.MathsStats@unsw.edu.au)

## **Travel and research grants available for students**

Contact your school and supervisor for information on financial support for attending conferences. The Graduate Research School also supports conference travel for postgraduate students – check their website for due dates and application forms.

A wide variety of research grants are available from scientific societies and other agencies to support small research projects and scientific travel. E&ERC students are strongly encouraged to apply for these to gain experience in grant writing, support their project and strengthen their CVs.

Below is a partial list of such grants. Please email Terry Ord ([t.ord@unsw.edu.au](mailto:t.ord@unsw.edu.au)) if you are aware of others suitable for our discipline.

### ***Animal Behaviour Society***

- Student Research Grants - <http://www.animalbehaviorsociety.org/web/awards.php>

### ***Australasian Society for Phycology and Aquatic Botany***

- Conference Travel Support, International Travel Support - <http://www.aspab.org/funding.htm>

### ***Australian Federation of University Women***

<http://afgw.org.au/scholarships/>

### ***Australian Geographic***

<http://www.australiangeographic.com.au/society/>

### ***Australian Marine Science Association***

- AMSA International Conference Prize for Students - <https://www.amsa.asn.au/student-awards>
- Annual Conference - Student Travel Subsidy - <https://www.amsa.asn.au/allen-award>

### ***Ecological Society of Australia***

- Student Travel Grants — Conference attendance - <https://www.ecolsoc.org.au/students/awards-and-grants/student-travel-grants>
- Jill Landsberg Trust Fund Scholarship <http://www.ecolsoc.org.au/students/awards-and-grants/jill-landsberg>
- Student research awards <http://www.ecolsoc.org.au/students/awards-and-grants/student-research-award>

### ***Australian Society for Fish Biology***

- Student International Travel Scholarship, Conference Awards and Bursaries, Research Support - <http://www.asfb.org.au/>

### ***Genetics Society of Australia***

- Smith White Travel Award - <http://www.genetics.org.au/awards/#Spem>
- D. G. Catcheside Prize for doctoral research - <http://www.genetics.org.au/awards/#DG>

### ***Linnean Society of New South Wales***

- The Joyce W. Vickery Scientific Research Fund - [http://linneansocietynsw.org.au/Vickery\\_Fund/Vickery\\_Fund.html](http://linneansocietynsw.org.au/Vickery_Fund/Vickery_Fund.html)

### ***Project AWARE (marine conservation)***

- <http://www.projectaware.org/americas/english/grants.asp>

### ***Royal Zoological Society of New South Wales***

- Ethel Mary Read Research Grants - <http://www.rzsnsw.org.au/#!emr/cw4k>

### ***SeaWorld Research and Rescue Foundation***

- <http://www.seaworld.com.au/Research-and-Rescue.aspx>

### ***Sydney Aquarium Conservation Foundation***

- Research Grants - <http://www.sydneyaquarium.com.au/conservation/>

## **Health & Safety**

Students are required to conform to UNSW policies on health & safety. Further information can be obtained on the H&S pages of your supervisors' school.

School of Biological, Earth and Environmental Sciences:

<http://www.bees.unsw.edu.au/health-and-safety>

School of Biotechnology and Biomolecular Sciences:

<http://www.babs.unsw.edu.au/ohs/school-babs-workplace-health-and-safety>

School of Mathematics and Statistics:

<http://www.maths.unsw.edu.au/>

## **Licensing requirements**

It is the responsibility of the student and supervisor to ensure that all research conducted is approved by the relevant collection permits and animal ethics committees. Information on the application process for animal ethics is at:

<http://www.gmo.unsw.edu.au/Ethics/AnimalEthics/AnimalEthicsApplicationProcess.html>

## **Grievance procedure and complaints**

The Graduate Research School outlines the procedure for handling grievances. See the policy:

<https://www.gs.unsw.edu.au/policy/documents/studentcomplaintproc.pdf>

## **Academic honesty and plagiarism**

Students must be aware of UNSW policies that relate to plagiarism and academic honesty. See further details:

<https://www.gs.unsw.edu.au/policy/documents/plagiarismpolicy.pdf>