

# GRS *Update*

Issue 4, 2017

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## AIMS@JCU R-Course with Murray Logan - Expressions of Interest

This two week course will be held at the JCU City Campus - on the following dates:

- Monday 17 July - Friday 21 July
- Tuesday 1 August – Friday 4 August

Please note that this is run week on - week off - week on, with the week off being week commencing Monday 24 July.

Please express your interest for this course by emailing: [aims@jcu.edu.au](mailto:aims@jcu.edu.au) (at this stage we are just looking for expressions of interest, registration will follow).

### The following topics would be covered:

- Introduction to R and Rstudio (a great R editor), repeatable research (knitr and markup)
- Introductory statistical principles - philosophies, estimation, inference testing
- R data manipulation
- Exploratory data analysis
- Graphics (base and ggplot2)
- Linear models (frequentist and Bayesian)
- Linear mixed effects models (frequentist and Bayesian)
- Generalized linear models (frequentist and Bayesian)
- Generalized linear mixed effects models (frequentist and Bayesian)
- Non-linear and Generalized Additive models (frequentist and Bayesian)
- Multivariate analyses

Participants will also have access to a new set of electronic tutorials and workshops Murray has developed over the last couple of years. And for those new AIMS@JCU scholarship students (commencing this year), this course

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can contribute to your quota of required coursework in quantitative skill development (subject to discussion and agreement with your supervisors).

An exact schedule is a little difficult to generate as flexibility is necessary. That said, the course will generally be broken into frequentist, Bayesian and multivariate approaches.

Frequentist and Bayesian components will mirror one another and generally progress through linear models in order of complexity. Many of the design aspects of linear models are common to both Frequentist and Bayesian frameworks, hence more time will be devoted to these issues when tackling linear models from a Frequentist perspective and will be assumed knowledge when tackling from a Bayesian perspective.

A list of software, installation instructions and prerequisite downloads (all open source) will be made available in the weeks prior to the course.

You are receiving this email because we are wanting to know if you are interested and available. Registration will open soon, but places are limited.

Non AIMS@JCU members are invited to register their interest - please note that the course fee is yet to be advised. [AIMS@JCU](mailto:AIMS@JCU) will cover the cost of the course for AIMS@JCU members and these members will be given priority.

Please note that all catering for the two weeks (light refreshments and lunch) will be provided as well as the training and course materials.

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### **Skyrail Rainforest Foundation – Media Release**

The Skyrail Rainforest Foundation is pleased to announce the annual launch of funding to support student research that enhances the protection of tropical rainforests through better understanding and sustainable practices.

Over the last 10 years the foundation has funded a vast array of rainforest focussed projects and has provided more than \$400,000 in project grants.

Eligible research applicants will be able to access up to \$5000 for PhD projects and \$2000 for Honours projects, Graduate Diplomas in Research Methods projects and other Masters coursework containing a strong research component.

Dr Ken Chapman, Chairman of the Skyrail Rainforest Foundation, said the foundation was pleased to make this funding available.

"The foundation sees great value in the research the students undertake and is pleased to assist them in their efforts which enhance our understanding of our surroundings and lead to a sustainable coexistence," he said.

"Skyrail Rainforest Foundation and the Skyrail Rainforest Cableway, through its support of the foundation, are ambassadors of environmental protection. This goal is reinforced by the foundation's ongoing support of research projects."

To assist with the preparation of submissions, the Skyrail Rainforest Foundation document, *Guidelines: Applications for Funding Students* is available upon request. To receive a copy, please contact the Skyrail Rainforest Foundation via [info@skyrailfoundation.org](mailto:info@skyrailfoundation.org) or phone (07) 4038 5511.

Applications will be reviewed and assessed by the foundation's Public Fund Management Committee comprising experts in education, conservation, environmental management and business.

Organisations or individuals are invited to submit applications to be considered for this funding opportunity. The closing date for submissions is Monday 12 June 2017.

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## State school fee waiver for dependants of International Masters Research Degree students

From 1 January 2017 until 31 December 2021, state school fees will be waived for the dependants of international students studying Masters Research Degrees at Queensland universities located outside the state's southeast corner. For more information [click here](#).

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## The Margaret Middleton Fund for endangered Australian native vertebrate animals

Applications for 2018 are now open. Application deadline 1 June 2017.

This fund offers annual science grants of up to \$15,000 each to support field-based, high-quality ecological research. The objective of the grant is to provide financial support for conservation-based research of Australian ecosystems (including off-shore islands and the continental shelf) that ultimately will lead to tangible outcomes for management. The scope of the research is open to terrestrial, marine and freshwater research on vertebrate animals.

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## ACSPRI Courses

- June 15-16: [Introduction to Time-series Analysis using Stata](#)
- August 17-18: [The Who, the What and the How of Moderating Focus Groups](#)
- October 12-13: [Introduction to Rasch Analysis using RUMM2030](#)
- November 9-10: [An introduction to Mixed Methods Research Design](#)

Enrolments are still open for our 5-day [Winter Program](#) courses at the University of Queensland. From the [Fundamentals of Statistics](#) To [Advanced Structural Equation Modelling](#), there are a range of courses to suit your research needs. Visit the [Winter Program](#) page to see the full range of courses we are offering in June-July.

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## ZurichEduCaExpo 2018 – 2<sup>nd</sup> International Education and Career Exhibition

**Venue:** Novotel Zurich City West, Zurich, Switzerland

**Dates:** 14 – 15 March 2018

For more information, visit the [website](#).

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## National Student Mentoring Day - ARC Centre of Excellence for Coral Reef Studies

As part of its goal to train outstanding coral reef researchers and scientists, the [ARC Centre of Excellence for Coral Reef Studies](#) is offering a range of mentoring activities to all graduate students (Honours, Masters and PhD) attending the [Australian Coral Reef Society Conference](#), 16th – 18th July 2017, Townsville.

The theme of this year's National Student Mentoring Day is *Careers and Communication*. Students will be offered opportunities to discuss and learn from each other as well as from experts in coral reef research and management, photography and film.

There will be no registration fees for students attending the National Student Mentoring Day. The Centre of Excellence will provide meals and contribute \$60 towards accommodation associated with attendance on the day to students who are not Townsville residents through a reduced conference registration. There are 40 places available. Indicate your interest when completing your ACRS conference registration to secure a place and discount. Registration will open soon.

For more information, including the program, please visit the [National Student Mentoring Day webpage](#).

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## Support for PhD Research Project

JCU AccessAbility Services has been contacted by a Peter Smith an HDR candidate at Federation University seeking possible respondents for his research on HDR candidates with a disability.

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JCU AccessAbility Services wish to be supportive of any research efforts, especially on topic that might assist HDR candidates with a disability to complete their own research degrees.

If you would like to contribute to the project can you please contact Peter on 0417-514-835 or via email at [peterrsmith@students.federation.edu.au](mailto:peterrsmith@students.federation.edu.au).

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### **The Rachel Kierath Scholarship in Paediatric Cancer Research for leading PhD Candidates**

With the support of the family and friends of Rachel Kierath, the Telethon Kids Institute has established the Rachel Kierath Scholarship in Paediatric Cancer Research. The purpose of this PhD scholarship is to support exceptionally qualified postgraduate research students to undertake cancer research at the Institute. This prestigious annual award is widely promoted and takes the form of a supplementary (top-up) stipend accompanying another source of funding for the student, most commonly a scholarship secured by the recipient through partner universities. It also includes a dedicated research and travel fund.

See the [website](#) for more information.

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### **Position Available: University Policy Officer at JCU**

#### **About the position**

Reporting to the Manager, Quality Standards & Policy this is a great opportunity to manage JCU's Policy library for 6 months. This position requires a strong working knowledge of governance and a clear understanding of the critical role played by policy and procedures in the delivery of high quality university services. The role requires high level writing skills to support the review of policies and procedures, and in the preparation of committee agenda papers. The position manages a diverse and complex workload across the whole university policy environment. The job is 0.8 full time equivalent with a salary range of \$89,182 to \$102,410 pro rata.

#### **Key duties:**

- Manage and oversee University policies and policy library, and support management to proactively review all JCU policies
- Actively educate, train and communicate with staff on the JCU policy framework
- Manage the policy quality assurance processes to monitor compliance with the Higher Education Standards Framework

Please see the below link or the [JCU Jobs page](#) for more information:

<https://www.seek.com.au/job/33515470>

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### **Australian Federation of Graduate Women: Canberra Accommodation Bursary**

The Canberra branch of the Australian Federation of Graduate Women offers residential accommodation for up to four weeks early in each calendar year at the Australian National University. The award is open to a woman graduate or final year honours student from a university or equivalent institution in Australia, New Zealand, Papua-New Guinea or South Pacific countries. Preference may be given to applicants who are members of an affiliate of **Graduate Women International**. Canberra residents are ineligible. The Bursary will be available during **2 to 31 January 2018**.

The award is open to women of any age who wish to carry out a short research project, in any field, which would benefit from a short stay in Canberra, for example, to use a particular library or museum collection or special scientific equipment. The successful applicant will be required to provide a brief report following completion of her project.

See the [website](#) for more details.

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**Position Available: Scientific Officer – Curator, Ichthyology****About the role**

To increase the impact of ichthyological research at the Australian Museum by undertaking an innovative field and collection-based research program on marine fishes and engaging diverse audiences in the importance of biodiversity and conservation of marine fishes and biogeography.

**Closing Date:** 9 June 2017

For more information, please download the documents [Role Description](#) and [Applying for a role in the NSW Public Service](#).

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**2016 Farrer Memorial Trust Travelling Scholarships**

The Farrer Memorial Medal is awarded annually to perpetuate the memory of William James Farrer, Plant Breeder, and to provide encouragement and inspiration to those engaged in agricultural science. The medallist is chosen by trustees of the Farrer Memorial Research Scholarship Fund from the ranks of those persons who have rendered distinguished service in agricultural science in Australia in the fields of research, education or administration. The recipient of the medal is invited to deliver an oration on a topical subject of his or her own choice.

Visit the [website](#) for more information.

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**Newsletters and other news**

- [Latest GreenCareer Newsletter](#)
- [AMSA E-news](#)

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**Graduate Research School**

James Cook University, Townsville Campus  
Building 17, Room 028  
Phone: 07 4781 5861  
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