Welcome to May!

I had the absolute privilege of attending the Soil CRC participants meeting in Newcastle in early April along with a number of Charles Sturt University staff. I really enjoyed the opportunity to engage with some excellent research, talk to researchers and CRC management. It was great to see what’s happening, what we are doing as a university in the space and get an understanding of where the CRC is going and what opportunities there might be.

There’s lots going on this month with further detail in this edition of the bulletin. Just to highlight a couple of things the “Granted Program” will again run this year and is an opportunity to develop that grant you have sitting on your desk (or in your head) and needs that extra push. There are limited places in the program and it is aimed at those who are grant ready.

Also included is important information on managing your animal ethics project and writing an academic job application. Don’t forget to check out the other professional development opportunities!

Warm Regards,
Jason White

Innovation Connections

Recently the Research Office hosted an information session on the Innovation Connections Schemes.

The scheme is funded by the Department of Industry, Innovation and Science.

Information was provided by Innovation Facilitators James Robinson and Peter Millic.

The main points on how the scheme works are;
• Up to $130,000 matched funding to support research activities.
• Collaboration between eligible companies and a publically funded research organisation.
• Projects can be 2 – 12 months in duration
• The entire process is supported by an Innovation Connections Facilitator.
• Research areas aligned to Industry Growth Sectors

For more information on the scheme or if you are interested in arranging an information session please contact:

Robert Doubleday, Manager Research Policy and Coordination.
rdoubleday@csu.edu.au  Ext 32811

Granted Program | Applications Now Open

Write a **stand-out** research grant proposal.

**Ahead** of the deadline.

**With expert mentoring** and **strategic advice** while you write.

And a **tribe** to support you.

Applications are invited from early- and mid-career researchers to participate in the Granted program in 2019. **Granted** is an online course in grant writing and development offered by Postdoc Solutions Online.

The program guides participants through the process of writing a draft grant proposal, with personal support, mentoring, and strategic advice by a dedicated facilitator. Participants will complete six course modules structured over an 8-week program, and then implement what they learn to develop a draft grant proposal ahead of a one-on-one coaching session.

There are 10 funded places available in the Granted program, commencing 29th July 2019.

Selection into the program is through a competitive Expression of Interest process. Further information regarding this program, eligibility criteria, and an Expression of Interest form are available at

**S:\Common\ Temp Folder Less Than 60 Days\Granted**

Applications close Friday, 7 June 2019.

Please direct any questions to:

Dr Alison Matthews, Manager Research Professional Development
02 6051 9429 or email almattews@csu.edu.au.
Managing Approved Animal Care and Ethics Projects

Scheduled Reporting

Reporting is an individual and institutional requirement under the Australian Code to ensure the University is able to maintain accreditation as an animal research establishment.

While research proposals can be approved for a maximum of three years, the authority to use animals can only be issued on an annual basis. Researchers must report on the use of animals every year applying for continuation or submit an end of project report at the completion. It is the researcher's responsibility to ensure that the required reports reach the scheduled meeting of the ACEC. Researchers should consult the dates contained on the approved authority to determine when the necessary reporting will commence.

If for some reason a project will not proceed in any form after approval has been issued an end of project report will need to be submitted in accordance with the code to notify the committee that the project has not proceeded.

Changes to an Approved Project

The ACEC must be notified immediately should a project differ in any way from that approved, this also includes changes in personnel. Notification using a Project Modification Form must be submitted to the next meeting of the ACEC to alter the project, clearly identifying what changes are being requested for each individual project.

Unexpected adverse events/impacts

Researchers must also advise the ACEC immediately if anything unexpected, and which affects the welfare of the animals concerned adversely, occurs during the course of the project. An unexpected adverse event is an event that may have a negative impact on the well-being of animals and was not foreshadowed in the approved project or activity.

An unexpected adverse event may result from different causes, including but not limited to:

- death of an animal, or group of animals, that was not expected (e.g. during surgery or anaesthesia, or after a procedure or treatment)
- adverse effects following a procedure or treatment that were not expected
- adverse effects in a larger number of animals than predicted during the planning of the project or activity, based on the number of animals actually used, not the number approved for the study
- a greater level of pain or distress than was predicted during the planning of the project or activity
- power failures, inclement weather, emergency situations or other factors external to the project or activity that have a negative impact on the welfare of the animals.

Alleviating unanticipated pain and distress must take precedence over an individual animal reaching the planned endpoint of the project, or the continuation or completion of the project. If necessary, animals must be humanely euthanised without delay.

This requires the submission of an Unexpected Death Report form. For any further information in regards to the Animal Care and Ethics Committee go to: https://research.csu.edu.au/ethics-and-compliance/animal
Have you subscribed to the Research Office I2 site?

Receive emails on any new PD opportunities or any other important announcements from the Research Office: Copy and paste https://staff.csu.edu.au/ into your browser. Find the Interact2 button, 5th along under the ‘I want to’ heading. This is your I2 home page. Do an organisation search, type in Research Office and click GO. If you hover over O-R-Office with your mouse a drop down arrow appears. Click on enrol. Then click Submit. You are done.

Writing academic job applications

We are fortunate to have Paul Worsfold, Career Development Officer, on our PD calendar to facilitate this two-part workshop, Writing academic job applications.

Part 1 focusses specifically on addressing the selection criteria, using real examples of recent academic job applications and an explicit model to help you develop the content and structure.

Part 2 will feature expert guests Lyn Angel (former interim Executive Dean of the Faculty of Science) and Lucy Webster (Sub-Dean, Teaching & Learning, in the Faculty of Science), to discuss their perspectives on reading other people's applications, as members of selection panels.

1. Academic job applications - Part 1
Thursday, 23rd of May, 12pm-1:30pm - More information and registration here: https://connect.csu.edu.au/academicjobsp1/event/event_info.html

2. Academic job applications - Part 2
Thursday, 30th of May, 12pm-1pm - More information and registration here: https://connect.csu.edu.au/academicjobsp2/event/event_info.html

Questions? Paul Worsfold - pworsfold@csu.edu.au or Cassily Charles - ccharles@csu.edu.au
Some of May’s PD opportunities:

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<td>Developing my Research Budget</td>
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<td>09:30-11:30</td>
<td>Are you competent in developing a solid and competitive research budget? This session aims to assist researchers with all facets of budget development including identifying direct research costs, identifying indirect research costs, as well as accessing and obtaining CSU leverage funding to boost the competitiveness of your research funding application.</td>
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<td>Get tips on how to best engage with the media in order to have a greater impact and get your research out into the boarder community. This interactive workshop will provide information about: what makes a good news story, working effectively with journalists, as well as tips on giving TV and radio interviews.</td>
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<td>Planning Surveys and Designing Questionnaires</td>
<td>14th, 15th &amp; 21st May</td>
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<td>This three part workshop is designed to introduce you to the processes and steps involved in planning a survey and creating a questionnaire that effectively gathers the data you need to satisfy your research questions. It will cover populations, ways to contact the population you want to survey, how to calculate an appropriate sample size, how to structure and design your questionnaire, what question types to use, how to test your survey, and the various survey methods to choose from.</td>
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<td>Publishing from Your Thesis</td>
<td>16th May</td>
<td>11:30-12:45</td>
<td>Publishing from your thesis can be a really good way to boost your research. Three CSU researchers with expertise across disciplines and research methodologies will discuss their experiences of successful publishing from their theses – when to do it, how, where, why and with whom – questions that PhD students and graduates often ask. This interactive session will consider how to use your thesis to support your publishing goals. Associate Professor Dominic O’Sullivan, whose first book came from his PhD thesis, will be available to provide individual advice and mentoring after the session. Presenters: A/Prof Dominic O’Sullivan, A/Prof Noella Mackenzie, Dr Elyce Green.</td>
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<td>Animations and Graphics for Researchers</td>
<td>21st May</td>
<td>11:30-12:30</td>
<td>Videography and photography are important skills for the modern researcher. But what if your research subject is something you cannot film? A virus? A current? An abstract concept? Here is where animations and graphics become really useful! In this seminar, Dr. Tullio Rossi will teach you how to effectively communicate your message and promote your research through animations and graphics - no graphic design skills required. You’ll learn: How to create a whiteboard animation; How to create a graphical abstract; How to design an award-winning poster.</td>
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<td>Presenting Your Work at a Conference</td>
<td>22nd May</td>
<td>12:30-2:00</td>
<td>During this session we will discuss the basics of presenting your research at a conference, or other event. Topics covered include planning and structuring your presentation, making the information clear, handling tricky questions, keeping calm and engaging your audience. There will be plenty of opportunities for participants to discuss experiences and share tips.</td>
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It is essential that all persons involved in the care and use of animals have the necessary skills and knowledge. If your research project requires research ethics approval you are strongly encouraged to attend this workshop. It includes: Research integrity and the responsible conduct of research; Ethical issues; Key questions to consider; Tools to analyse and address issues; Who needs to and how to apply; the Codes which apply to your research.

**Library Lowdown:**

**Finding theses at CSU and beyond**

Are you looking for a thesis, and not sure where to start? Want to get an idea of what a thesis in your subject area looks like? Want to know more about submitting your thesis? Then read on. Because in this month’s post, we answer all your questions!

**Primo**

The starting point for any search is Primo, the Library’s discovery tool. To search for older theses on Primo, follow these steps:

1. Select **Advanced Search**
2. Select **Search Profile = Books, journals, DVDs & more**
3. Select **Any field** and **as a phrase** enter *Charles Sturt University*
4. Select **Material Types = Theses**
5. Click **Search**.

You can search for CSU theses about a specific topic or faculty by including additional keywords, e.g. *marketing*

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**CRO**

Theses from 2009 onwards are available online in the [CSU Research Output (CRO)](https://www.csu.edu.au/research/outputs) repository as PDF files. When searching for a thesis in CRO, choose “Research Outputs” add in “thesis” and from the drop down menu, choose “Search as concept”.

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Ethics in Research involving Animals 30th May. 09:30-11:30.
Submitting your thesis
Want to know more about submitting your thesis and what is required? Don’t forget to check out the Research Office Your Thesis page.

External theses
To search for theses from other Universities both in Australia and overseas, use the databases listed on our Theses & dissertations page.

Australian Universities
The National Library of Australia’s Trove database lists most Australian university theses. Not all online theses are publicly available.

1. Ensure the Format in the left column is highlighted as Theses
2. Enter additional search terms
3. Click on Search button
4. Use Refine your results to limit to theses available Online or Freely available.

International
- ProQuest Dissertations & Theses Global database
  Doctoral and Masters theses abstracts from US, European, British, and Irish graduate schools and universities, plus many available in full-text.
- EBSCO Open Dissertations
  OpenDissertations.org is a collaboration between EBSCO and BiblioLabs to improve discoverability of ETD research.
- EThOS
  Theses and dissertations from higher education institutes in United Kingdom. Registration required [free] in order to view theses online.
- Networked Digital Library of Theses and Dissertations (NDLTD)
  International database of theses and dissertations.
- Theological Research Exchange Network (TREN)
  Theses and dissertations from more than 130 institutions. TREN includes conference papers from several academic societies.
- Theses Canada
  Theses and dissertations from Canadian higher education institutions.
- DART-Europa: e-thesis portal
  Searchable database of research theses held in European repositories with links to at least one electronic copy of every thesis it lists.
- Hong Kong: Dissertations and Theses Collections (DTC)
  Online union collection of Hong Kong and Macau postgraduate students' doctoral and master dissertations and theses.

Need more help or information? Contact one of your helpful Faculty Liaison Librarians.

And don’t forget to see and register for our upcoming training sessions in May on the next page :-:
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<td>This session will create an understanding of Open Access publishing. What it is, forms of Open Access Publishing, why and how to identify suitable journals, with added information on sharing resources.</td>
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<td>Mon 20th</td>
<td>2.00-3.00pm</td>
<td>Staying up to Date with Research Alerts</td>
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<td>This session will show you how to stay up to date with the latest developments in your field or research using alerts for searches, table of contents and other current awareness services.</td>
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<td>This session will explore the ProQuest products that CSU library provides for research and show you how to use the ProQuest platform to search databases effectively.</td>
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**AINSE 2019 Residential Student Scholarship (RSS)**

Expressions of Interest are now open.

*Expressions of interest close at 5:00pm AEST on 31 May 2019*

Supplement Stipend: up to **A$7,500 pa**.
Travel and Accommodation Allowance: up to **A$5,000 pa**.

Residential Student Scholarships (RSSs) are offered by AINSE Limited (the Australian Institute of Nuclear Science and Engineering) for suitably-qualified persons wishing to undertake studies aligned with ANSTO’s research programmes for a higher degree at an AINSE-member university. Expressions of interest will be received up to 5:00pm AEST 31st May 2019.

AINSE RSSs are in the form of "supplements" and are offered to scholars who are, or will be, in receipt of an Australian Postgraduate Award (APA) / Research Training Program (RTP) or equivalent award, and for as long as that Award is current subject to satisfactory progress.

The award provides a stipend of **A$7,500 per annum**, in addition to **up to A$5,000 per annum travel and accommodation allowance**, to enable students to spend a significant amount of time working at ANSTO facilities.
The RSS differs from a Postgraduate Research Award (PGRA) in that a RSS student must be onsite at an ANSTO facility (at Lucas Heights, Camperdown and/or Clayton) for an average of six months per year or more, which can be as a single block of time or as separate visitations.

Expressions of interest are now being sought from first-year PhD students whose research topics closely align with ANSTO’s research programmes: The Environment, Human Health, and the Nuclear Fuel Cycle. In addition, opportunities may also exist for postgraduate students interested in contracted research and industrial engagement projects in the defence industry area, and for postgraduate students interested in fusion research that aligns with ANSTO and ITER activities.

Applicants are requested to email a one page (A4) only* abstract to ainse@ainse.edu.au outlining the details of their research project and the ANSTO staff member(s) they will be collaborating with. Selected applicants who are successful in the first round will be invited to submit a more detailed online application. The Terms & Conditions and an ANSTO Capabilities & Facilities Guide can be found on the AINSE website. For enquiries and further information, please contact the friendly staff at AINSE on ainse@ainse.edu.au | +61 2 9717 3376.

QCU

Quantitative Consulting Unit (QCU)'s core statistics support services include:

- Free general consultancy on statistical theory and application related to a research problem; advice on, support to, and completion of statistical data analysis needed from a research project (e.g., for HDR students’ studies, manuscripts for submission to a professional journal, proposal for grant application, etc.) via registered consulting projects.
- Tutorials/training for learning and using analysis software such as R, SPSS, G*Power3.1, @Risk and Netica; workshops for enhancing researchers’ statistical data analysis skills – currently we are offering a half-day R Introduction workshop, a one-day G-Power workshop, and a three-day/2.5-day Bayesian Network workshop.

Important Message for researchers

Important changes may happen for future statistical analysis practice in scientific research - a message from Quantitative Consulting Unit (QCU).

The process of turning data into insight is central to the scientific enterprise. However, there is no single, perfect way to turn data into insight. Statistical analysis is the most popular means that researchers of almost all disciplines have used to turn data into insight for their research findings. In particular, the null hypothesis significance testing (NHST) is perhaps the most often used procedure for inferential statistical analysis (e.g., making generalisation about our target population based on sample data analysis outcomes).
NHST dichotomizes the data analysis outcomes according to whether or not they possess STATISTICAL SIGNIFICANCE, as typically determined by \( p < 0.05 \). Despite of the ubiquity of NHST nowadays in scientific publications, as a matter of fact, it is widely agreed among statisticians for decades that the NHST process is flawed and there is widespread “misconceptions and misuse” of NHST. One of the most serious consequences for misconceptions and misuse of NHST is the reproducibility crisis in science. Namely, many statistically significant results aren’t replicating because statistically significant estimates are biased. Additionally, the rigid focus on statistical significance encourages researchers to choose data and methods that yield statistical significance (or non-significance) for some desired (or simply publishable) result.

As the latest response by the community of statisticians to battle against the ubiquitous “misconceptions and misuse” of NHST, in March 2019, American Statistical Association (ASA) organised a special issue of The American Statistician in which 43 papers were published on \( p \)-values and statistical significance (see the Editorial https://doi.org/10.1080/00031305.2019.1583913 for details). The focus point is “stop using the term ‘statistically significant’ entirely and moving to a world beyond ‘\( p < 0.05 \)’.”

If ASA’s call for an entire abandonment of the concept of statistical significance becomes commonly accepted by academic and research communities, it will bring about important changes for future statistical education and statistical analysis practice in scientific research. We (QCU) therefore send this important message to all researchers (HDR students and staff members) at Charles Sturt University. The full message can be download/read in QCU’s webpage https://cdn.csu.edu.au/__data/assets/word_doc/0003/3188316/BulletinScript-for-May-2019.docx.

The latest news about QCU’s services:

- The R Tutorial Series 1, as part of the Research Office PD program, will be held on the 2nd May, 10am to 12:15pm.
- The corresponding online R tutorial Q & A session will be held on Tuesday May 7, from 2-5pm. No appointment is required and you may just join the session by use the following Adobe Connect link https://connect.csu.edu.au/r_qandaseSSION/ to enter.
- For a full description of and how you can get access to our services please log onto QCU’s webpage http://www.csu.edu.au/qcu.

Vitae, Quick Tip Series

It takes just a few minutes to pick up helpful tips from our bitesize advice for researchers. Get into the habit of taking (a little) time out for professional development.

- Knowledge and intellectual abilities
- Personal effectiveness
- Research governance and organisation
- Engagement, influence and impact
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<tr>
<th>Date</th>
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<tr>
<td>1st May</td>
<td><strong>Writing clinic: Blockages in your writing processes</strong>&lt;br&gt;This one hour session is a chance to talk and think about blockages in your writing, planning or related processes, and find some ways to forge ahead. It will be in the style of a 'writing clinic'. That is, we will discuss some general issues for writing blockages and overcoming them, but we will aim to focus mainly on the specific issues which participants raise. The aim is for every participant to go away afterwards with at least one new strategy to ease or energise your writing process.</td>
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<td>2nd May</td>
<td><strong>R Tutorial Series 3 - More hypothesis tests and advanced regression models</strong>&lt;br&gt;Participants will be able to perform some less often-used hypothesis tests; fit sample data with a selected probability distribution; analyse multiple linear regression and 2 or 3 way ANOVA &amp; MANOVA models; analyse some generalised linear regression ...</td>
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<td>2nd May</td>
<td><strong>Three Minute Thesis Preparation Workshop</strong>&lt;br&gt;This is a preparation session for anyone who is considering entering the Three Minute Thesis (3MT) competition, either this year or in the future. We will look at real examples of successful Three Minute Thesis presentations and talk about the features of a winning 3MT. We will practice some techniques you can use to focus your talk and engage the audience, and there will also be plenty of opportunity to discuss your ideas and ask questions or get feedback.</td>
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<td>7th May</td>
<td><strong>Research Administration 3 - Developing my Research Budget</strong>&lt;br&gt;Are you competent in developing a solid and competitive research budget? This session aims to assist researchers with all facets of budget development.</td>
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<td>9th May</td>
<td><strong>Conducting Interviews - Logic and Logistics</strong>&lt;br&gt;Interviewing is the most popular way to collect qualitative data. However, organising interviews and gaining access is difficult and time consuming and many researchers are disappointed with the results of their interviews. This workshop looks at the advantages and limitations of interview data, how to get the most out of your interviews, how to conduct individual interviews, and useful ways to record non-verbal as well as verbal data.</td>
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<td>9th May</td>
<td><strong>Audit Your Time</strong>&lt;br&gt;This workshop is for you if you want to take more control of your available time and increase the accuracy of your task planning. It is very practical and includes plenty of opportunities to discuss experiences and share tips with other participants.</td>
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<td><strong>Critical Writing, Part 1</strong>&lt;br&gt;This is the first half of a 2-part workshop. Participants need to register separately for each part, to enable separate calendar invitations and reminders. This 2-part workshop covers the special features of critical writing, and shows how it is related to other kinds of academic writing. It includes practice in structuring critical writing in paragraphs and sections, and discussion of specific language for expressing your own view alongside other positions and debate in the research literature. We will look at real examples of critical writing for research purposes.</td>
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<td><strong>Planning Surveys and Designing Questionnaires: Part 1</strong>&lt;br&gt;This three part integrated workshop is designed to introduce you to the processes and steps involved in planning a survey and creating a questionnaire that effectively gathers the data you need to satisfy your research questions. It will cover populations, ways to contact the population you want to survey, how to calculate an appropriate sample size, how to structure your questionnaire and what question types to use. Day 1: Aims of the workshop; Terms and definitions; Planning a survey; Populations, sample sizes and frames; Modes of data collection.</td>
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14th May | Critical Writing, Part 2  
This is the second half of a 2-part workshop. Participants need to register separately for each part, to enable separate calendar invitations and reminders. This 2-part workshop covers the special features of critical writing, and shows how it is related to other kinds of academic writing. It includes practice in structuring critical writing in paragraphs and sections, and discussion of specific language for expressing your own view alongside other positions and debate in the research literature. We will look at real examples of critical writing for research purposes.

15th May | Planning Surveys and Designing Questionnaires: Part 2  
This three part integrated workshop is designed to introduce you to the processes and steps involved in planning a survey and creating a questionnaire that effectively gathers the data you need to satisfy your research questions. It will cover populations, ways to contact the population you want to survey, how to calculate an appropriate sample size, how to structure your questionnaire and what question types to use. Day 2: Different types of questions; and questionnaire design.

16th May | Publishing from Your Thesis  
Publishing from your thesis can be a really good way to boost your research. Three CSU researchers with expertise across disciplines and research methodologies will discuss their experiences of successful publishing from their theses – when to do it, how, where, why and with whom – are questions that PhD students and graduates often ask. This interactive session will consider how to use your thesis to support your publishing goals. Associate Professor Dominic O’Sullivan, whose first book came from his PhD thesis, will be available to provide individual advice and mentoring after the session. Presenters: A/Prof Dominic O’Sullivan, A/Prof Noella Mackenzie, Dr Elyce Green

20th May | Staying up to Date with Research Alerts  
This session will show you how to stay up to date with the latest developments in your field or research using alerts for searches, table of contents and other current awareness services.

21st May | Planning Surveys and Designing Questionnaires: Part 3  
This three part integrated workshop is designed to introduce you to the processes and steps involved in planning a survey and creating a questionnaire that effectively gathers the data you need to satisfy your research questions. It will cover populations, ways to contact the population you want to survey, how to calculate an appropriate sample size, how to structure your questionnaire and what question types to use. Day 3: Survey testing; Online surveys; SPAN and using SurveyMonkey.
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<td>30th May</td>
<td>Writing Academic Job Applications, Part 2</td>
<td>Paul Worsfold, Career Development Officer, will be facilitating a two-part workshop on writing academic job applications. Part 2 will feature expert guests Lyn Angel (former interim Executive Dean of the Faculty of Science) and Lucy Webster (Sub-Dean, Teaching &amp; Learning, in the Faculty of Science), to discuss their perspectives on reading other people's applications, as members of selection panels. Please register separately for both events.</td>
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<tr>
<td>30th May</td>
<td>Ethics in Research involving Animals</td>
<td>It is essential that all persons involved in the care and use of animals have the necessary</td>
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skills and knowledge. If your research project requires research ethics approval you are strongly encouraged to attend this workshop. It includes: Research integrity and the responsible conduct of research; Ethical issues; Key questions to consider; Tools to analyse and address issues; Who needs to and how to apply; the Codes which apply to your research.

Visit our PD Calendar to see what is on for the remainder of 2019.

CONTACT

We welcome contributions, feedback and suggestions for the Bulletin:

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