

FACULTY OF SCIENCE RESEARCH BULLETIN



Charles Sturt
University

ISSUE 6: July 2020

Welcome to Issue 6 of the Faculty of Science Research Bulletin. As COVID-19 restrictions begin to lift we are all working hard to get our research (and lives) up and running as best we can.

The July issue of the bulletin has important information on the Scholarships round for 2021 which is now open. The 3MT University final is on today 4pm to 6pm. Some funding opportunities are highlighted, in particular the release of Australian Research Centre funding scheme guidelines.

The bulletin is emailed to all staff and HDR candidates in the Faculty of Science in the first week of each month. If you have a news item, a resource, announcement or a great achievement related to research or HDR candidature you'd like to share, please send it to [FOS-RLO](#) or [Melanie](#) for inclusion in the next bulletin.

Previous issues of the bulletin can be downloaded from the Faculty of Science Research Bulletin page [here](#)

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Congratulations – Approved for Graduation



Gyongyver 'Ginger' Korosi, thesis titled "Entomopathogenic Fungi as Potential Biocontrol Agents of Grape Phylloxera".

Martin Combs, thesis titled “Investigating the aetiology, pathogenesis and mitigation of perennial ryegrass toxicity using ovine and murine models”.

Ruth Vo, thesis titled “The Nature of Clinical Decision Making by Clinical Dieticians in the Acute Care Setting”.

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Scholarships for 2021 – Now Open!



The round of Australian Government funded Research Training Program (AGRTP) scholarships for commencement in 2021 is now open! Candidates commencing in 2021 or candidates who are currently enrolled in a Higher Degree by Research may be eligible to apply.

These scholarships are highly competitive and are awarded on the basis of academic merit; past research achievements and/or professional experience; alignment with Charles Sturt's Research Narrative; and the quality of the research proposal.

Specific information on the Australian Government Research Training Program (AGRTP) Scholarships, including eligibility, award value, duration and a link to the online application form can be found [here](#).

- Closing date for International applicants is **5pm (AEST) Friday 28 August 2020**.
- Closing date for Domestic applicants is **5pm (AEDT) Friday 30 October 2020**.

If you have any queries about applying for scholarships please contact graduateresearch@csu.edu.au

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Support funds available

Apply for funding to support your research project!

We know that 2020 has been difficult! And so we have made available some additional funding for HDR candidates!



Here are some examples of activities where funding may help:

- **Want to polish your thesis?** Professional editing of your final draft could support you to present your thesis to the best possible standard.
- **Need consumables?** Perhaps you are running out of consumables or need some equipment to enable you to achieve better research results
- **Anything else that helps you to achieve excellence in your higher degree by research project?** Make a case for consideration!

Costs must be related to the completion of a thesis, including, but not limited to, the following:

- Purchase of consumables, equipment, fees for service, software and/or data
- Research assistant - employing staff to enter survey/ interview / quantitative data, translation, webpage development*
- Costs associated with attending online professional development activities and online conference registration
- Engaging a professional copy editor
- Printing, copying and stationery

*Only under limited circumstances, please enquire with the relevant Sub-Dean, Graduate Studies before applying.

Funding will be approved for up to **\$1500 per applicant**. Each student can be awarded up to one (1) HDR support grant per calendar year. Applications are welcome from all HDR candidates, even in the early stages of candidature.

Applications will be assessed on a competitive basis. Please note that your application must demonstrate a solid argument with recommendation from your Principal Supervisor. Please complete attached application and send to [Melanie](#).

Application closing date: Friday 31 July, 2020.

Preference will be given to those who have yet to receive funding in 2020 and to those who do not receive a scholarship, however all fee-paying and scholarship candidates who need assistance should apply.

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Census Date – 9 August 2020

Census date is **Sunday 9 August**. Here is some information which might help you as you prepare:

Life is busy! - **Need a break this session?** If you need to apply for a leave of absence for the upcoming session, please complete an [Application for Leave form](#) and submit this to your Principal Supervisor as soon as possible.

Enrolment – you each completed your enrolment for 2020 earlier in the year so you should be good to go! If you want to change your mode of study, ie part-time or full-time, please let us know so we can provide you with further information and instructions. Note: Future enrolment will be removed automatically when a thesis is submitted by census date so don't worry if you plan on submitting and still have enrolment for 202060. If you have any queries please let [Melanie](#) know.

Submitting your thesis? Good luck with the final stages. A [Notification of Readiness to Submit & Appointment of Examiners form](#) will need to be completed and submitted by your supervisor to the Sub-Dean Graduate Studies ASAP. This form can be found on the [Forms and Guides page](#).

Need more time? If you have reached maximum candidature and need more time, please complete an [Application for Extension of Candidature](#) form and submit to the Sub-Dean Graduate Studies, via your Principal Supervisor by 24 July.

As always, any questions are more than welcome!

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3MT final – Today!



The Charles Sturt Three Minute Thesis (3MT®) competition final will be held **this afternoon from 4pm-6pm** [Via Zoom](#). All candidates and staff should have received an invite on Wednesday 24 June.

The event will be hosted by Mr Stan Grant, Vice-Chancellor's Chair of Australian-Indigenous Belonging and judged by:

- Mayor Greg Conkey, Wagga Wagga City Council
- Hon. Niall Blair, Industry Professor - Food Sustainability, Charles Sturt University
- Michelle Waugh, Principal at Mount Austin High School

The winner will go on to represent the University at the 2019 Asia-Pacific 3MT Competition held later this year. In the running are:

From Science:

Mitchell Kunnen – *Determining psychological readiness after ACL injury*

Tabita Tan – *Saving the goats: Why we need an outbreak response plan for Q fever*

Johnathan Hewis – *Surviving the tunnel: The lived experience of distress in Magnetic Resonance Imaging*

From BJBS

Jennifer Schwarz – *Understanding and supporting adults who ask 'Am I Autistic?'*

Debra Metcalf – *Defining our foods for the future*

From A&E

Mandy Cooke – *It's not just physical: Understanding risk-taking in early childhood education*

Good luck to all!

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HDR & Honours Symposium – Registration open



ABOUT THE EVENT

Each year the Faculty of Science holds a Symposium in Wagga Wagga to showcase the research that is being undertaken by our HDR and Honours candidates. This year we find ourselves in quite a unique situation and therefore we will not be able to host the HDR Symposium on campus. However, you will still have the opportunity to present your research and develop your online presentation skills.

- **Honours candidates** – attendance and presenting is not compulsory but it is encouraged.
- **Doctoral candidates** - expected to attend a total of three and present at two symposia during their candidature.
- **Research Masters candidates** - expected to attend a total of two and present at one symposia during their candidature.

Candidates in their first session full-time or first year part-time are encouraged to attend but are not expected to present.

Candidates who are not able to present will need to provide evidence of presenting at an alternative conference.

PRESENTATIONS

Candidates will be expected to present a ten minute seminar on their research, suitable for a non-specialist audience. This will be followed by five minutes of question time.

Prizes will be awarded to contribute to professional development as follows:

- The best HDR seminar will be awarded a maximum of \$500
- 2nd best HDR seminar will be awarded a maximum of \$300
- The best Honours seminar will be awarded a maximum of \$200

These awards are granted by the Faculty of Science.

Presentations will still be assessed by volunteer staff assessors so candidates can be provided with valuable feedback.

DETAILS

The symposium will be held via Zoom in 1.5 hour blocks throughout the weeks beginning 24th August and 31st August, 2020. Candidates are asked to RSVP by completing the [online registration form](#) by **26 July 2020**.

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Nominations for the ARC College of Experts in 2021

The ARC is seeking nominations from suitably qualified and experienced individuals, with peer review experience, to join the 2021 ARC College of Experts.

[Nominations for the Australian Research Council \(ARC\) College of Experts in 2021](#) are now open in Research Management System (RMS) and will close at **5.00pm (AEST) on Wednesday, 15 July 2020**.

The ARC is committed to improving the diversity and gender balance of membership of the ARC College of Experts and particularly encourages nominations from women; Aboriginal or Torres Strait Islanders; and end-users across the private, public and not-for-profit sectors.

Nominations are welcome from all disciplines, with strong emphasis placed on multi-disciplinary and cross-disciplinary expertise.

A high regard is also placed on applicants who have strong institutional support to meet the commitment required from College of Expert members.

Nominations are open in [RMS](#). Nominations will not be accepted directly from nominees (excepting those submitting as self-employed). Nominees who hold an honorary or adjunct appointment with a higher education institution are eligible to apply through that institution.

Late nominations will not be accepted. Amendments or replacements will not be accepted after the closing date and time, unless invited by the ARC.

Please refer to the [Nomination Kit](#) and Instructions to Applicants on the [ARC College of Experts page](#)

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Update on activity from the Australian Research Data Commons



Over the next eighteen months the [Australian Research Data Commons](#) is increasing activities in the creation, analysis and retention of high-quality data assets.

The [Platforms](#) program focuses on developing virtual research environments to find, collect, and analyse data, and generate [FAIR](#) (findable, accessible, interoperable and reusable) outputs. The EOI for the [2020 Platforms](#) open call will open in early July 2020.

The [National Data Assets \(NatDA\)](#) initiative will shape and contribute to creating a portfolio of national-scale data assets that support leading-edge research. Open calls in the NatDA initiative include the Public Sector Bridges program and the Australian Data Partnerships program.

[The Public Sector to Research Sector Bridges program](#) is now open for Expressions of Interest. The program catalyses collaboration between public sector bodies and research organisations to improve access to and reuse of public sector data for leading edge research. The program targets scenarios where specialised access for researchers to public sector data requires more than the baseline “availability or management” from the public sector custodians. These aims may be achieved via projects to implement specific standards, quality measures, coverage, interfaces, connections to analytic environments, and access or governance arrangements. A key criteria is that at least one research organisation partners with an Australian public sector agency/department.

[Australian Data Partnerships](#) program will open in early July 2020, and will establish or enhance collaborative data assets that support leading edge research, and are national in scale.

[Health Studies National Data Assets](#) program will call for expressions of interest in Infrastructure development (Stream B) in around November 2020. HeSANDA seeks to capture the data outputs of health research studies and will fund the development of institutional infrastructure to be built to a national standard. Researchers and organisations working with health and medical data are also invited to participate in the Data Development (Stream A) and Policy & Culture (Stream C) work packages which help develop that national standard.

If you have any questions about these opportunities you can contact [Dr Tom Honeyman](#).

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Cancer Institute NSW Research Fellowships

The Cancer Institute NSW is pleased to announce that applications for the **2020 Research Fellowships opened 10 June 2020**.

How to apply

Grant applications are to be completed online through the [Grants Management System \(GMS\)](#) and submitted no later than **1pm on Friday 31 July 2020**.

Applicants can refer to the Institute's website to find out more information on [How to apply for Research Grants](#) and to review the [Fellowship Guidelines](#).

Contact us

Email: CINSW-Grants@health.nsw.gov.au

Please enter "Research Fellowships" to enable quicker processing of your query.

The institutes look forward to receiving applications from your institution.

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ARC Grant Guidelines Available

Australian Research Council - Grant Guidelines for the Industrial Transformation Research Program (2019) for funding commencing in 2020 and 2021 are now available. -

<https://www.grants.gov.au/?event=public.FO.show&FOUID=FC3B10A3-B3D0-3363-461265EFCC4273DD> - **Applications**

Close: 11 November 2020

Australian Research Council - LIEF (2019 edition) for funding commencing in 2021 and 2022 are now available -

<https://www.grants.gov.au/?event=public.FO.show&FOUID=DCFE2EB1-E8F7-EAB4-985986514EDB8473> – Applications close

Applications Close: 31 March 2021

Australian Research Council - Grant Guidelines for schemes under the Discovery Program (2019 edition) -

<https://www.grants.gov.au/?event=public.FO.show&FOUID=9D5A301C-FF9F-8547-E68EF4E82698EFF6> – Application closing dates for Laureates, Future Fellowships, DECRA, Discovery Indigenous, Discovery Projects can be found

<https://www.arc.gov.au/grants/grant-calendar>

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Research to Impact webinars



Research to Impact is a free two-part webinar series run by the Canberra Innovation Network for researchers (PhD candidates and upwards) to introduce practical tools that help you take your research out of academia, engage with industry and find new opportunities.

As a researcher, you may be frustrated by the difficulty of finding ways to apply your research or ideas into meaningful results in the real world. The changing landscape has led to career challenges for early stage researchers and lower funding for research team leaders. Advance your research by upskilling and enabling you to find answers about industry needs, how you can adapt to make you more prevalent in your field and attract the resources you need to take your projects forward.

In two short 1.5 hour interactive webinars we use lean innovation methods developed for start-ups and proven to work for Researchers to:

- Show you practical new ways to think about innovation that will enable you to better engage the community
- Help you create real collaborative conversations with industry that can lead to opportunities
- Challenge you with fast-paced real-world tasks
- Empower you to explore new options for your career, industry engagement and commercialising your inventions

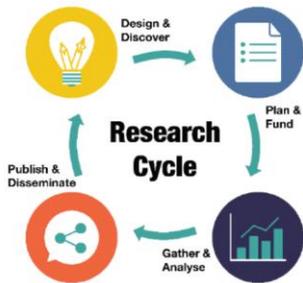
- Give you new tools to connect and explain your research

Dates: 9 July & 16 July, 2pm – 3.30pm

For more information and how to register please see the [Eventbrite page](#).

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Library Research Focus – Systematic and Literature Reviews



Are you writing a systematic, system-like or literature review and want some tips and tricks? Want to know more about Systematic, Systematic-like or literature reviews? The Library has resources that can help you!

What is a Systematic or Systematic-Like Review?

Systematic reviews have shown their worth as crucial to the evidence-based practice of health care professionals and are often used as the basis for the creation of clinical guidelines. They are increasingly being used in other disciplines such as psychology, education, sociology, environmental science, engineering and business management.

What does a Systematic or Systematic-Like Review look like?

Key characteristics include:

- ✓ a clearly defined topic, with pre-defined eligibility criteria for studies
- ✓ a systematic and reproducible search strategy
- ✓ the critical appraisal of included studies
- ✓ a synthesis and systematic presentation of the findings of the included studies

What is a Literature Review?

A literature review, as part of a thesis or for any other publication, will demonstrate your knowledge of the research in your area of interest, and will place your research in this context.

Steps to creating a Literature Review.

- ✓ Identify the type of Literature Review you need
- ✓ Develop a search strategy
- ✓ Finding where to search and identifying databases
- ✓ Evaluating sources and critically appraising the literature
- ✓ Managing and analysing your results

Want to know more about Systematic, Systematic-Like or Literature Reviews?

We have some great resources for you. You can:

- View the [Systematic Reviews](#) guide, or the [Literature Review](#) guide to find tools, tips, tricks and useful links.
- Come along to our [Introduction to Systematic Reviews](#) online training session on 22nd July at 9.30 – 10.00am. This short session will provide a guide to the tools available and show you the steps to creating a systematic or systematic-like review. Look for the Literature review & NVivo: An introduction session coming in August. View our [Induction, Consultation & Training](#) page to see new sessions as they are added. To get the most out of this session, make sure you know the basics of NVivo – you can find a session on this through the Research Office PD Calendar, a link can be found on the page above.
- Contact your [Faculty Librarian](#). We are happy to help you further.

Other training sessions coming up in July:

Date	Session Details & Registration
2nd Jul 2020 9.30- 10.30am	Using library databases effectively: getting better search results Learn more about Library Databases, what's available and how to get the most out of them with advanced search techniques. This session will introduce you to different databases, their features and when to use them. [Design & Discover]
14th Jul 2020 9.30- 11.00am	Getting started with EndNote Are you starting your literature review, and want to organise your references? This session will cover setting up your EndNote Library, using EndNote with Word and other tips and tricks. [Design & Discover]
22nd Jul 2020 9.30- 10.00am	An Introduction to Systematic Reviews Want to know more about Systematic Reviews? This short session will provide a guide to the tools available and show you the steps to creating a systematic or systematic-like review. [Design & Discover]
28th Jul 2020 9.30- 10.30am	Finding and Using Theses and Dissertations This session will show you how to find Australian and International theses and dissertations using the Library's resources - and how you can use them. [Design & Discover]

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Online 'R' course

`R` is a powerful, open-source (free!) data manipulation, statistics and data visualization tool that is Mac, Windows and Linux friendly. Two of CSU's `R` enthusiasts, David Lockett and Thomas Williams, are planning to run an introductory tutorial series in `R` for members of the CSU community who would like to learn how to use this versatile statistics and programming tool. David and Thomas have backgrounds in Ag and animal sciences. As such, many of the examples will have an agricultural focus, however, the tutorial series will deliver the `R` fundamentals that will help you move into more advanced techniques applicable to your discipline. If you're looking to move to `R` or hone your skills, this series will benefit you!

Because of social distancing requirements, these sessions will be run via Zoom.

The series is scheduled for July and dates will be locked in after feedback from potential attendees. To help with organising these sessions, the instructors would like to know how many people are interested in participating.

If you're interested, please respond to the survey using [this link](#).

Dates and times will be confirmed once interest has been gauged and numbers of potential attendees are known.

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Online Presentation Skills



Hugh Kearns will be running a workshop on **28 July at 11am** online via **zoom** on online presentation skills!

In this workshop, Hugh will cover:

- Knowing your key message and making it relevant to your audience

- Preparing materials specifically for an on-line environment
- How to structure and link parts of your talk
- How to engage your audience and keep their attention throughout your presentation
- Using your webcam, what can your audience see
- Knowing the other tools available and when to use them
- Practice
- Delivery
- How to handle questions
- Dealing with nervousness
- Presenting yourself effectively

[Register here!](#) This might just give you the edge to win one of our prizes at the online HDR & Honours Symposium!

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Human Research Ethics Café

Staff and Students who are undertaking research projects which require research ethics approval are strongly encouraged to attend this workshop. This workshop will include: An introduction to research integrity and the responsible conduct of research; An overview of the ethical issues that may arise in your research; Key questions you need to consider; Tools to analyse and address issues; Understanding who needs to make application and how to apply for approval from a Research Ethics Committee; the Codes which apply to your research and your ethics application.

Please see [here](#) for information and registration.

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Finally..... Explore the Australian Museum from Home



While the Australian Museum remains closed why not explore their collections online. For example you can access online the Australian Museum Magazine 1921-1961 and some photographic and art collections. For resources and news access [here](#).

Next Issue:

If you would like to contribute a story to the August 2020 issue please send it to [FOS-RLO](#) or [Melanie](#) by the **25th of July**. The next issue will be released in the first week of **August 2020**.

Until next issue.....

Assoc Prof Jane Quinn
Associate Dean Research
jquinn@csu.edu.au
FOS-ADR@csu.edu.au

Assoc Prof Sandra Savocchia
Sub-Dean Graduate Studies
ssavocchia@csu.edu.au

Research Liaison Officer
FOS-RLO@csu.edu.au

Melanie Snell
Graduate Studies Liaison Officer
msnell@csu.edu.au
FOS-GSLO@csu.edu.au