

FACULTY OF SCIENCE

RESEARCH BULLETIN

ISSUE 20: MAY 2018

Welcome to Issue 20, May 2018, of the Faculty of Science Research Bulletin.



In this month's issue we get to know Brett Biles who works in the School of Nursing, Midwifery and Indigenous Health and is undertaking his PhD with the School of Community Health.

Read about Dr Jayden Hunter's award at the ESSA conference and Esther Callcott's Samson Agboola Travel Grant. There is also news about the research office review, 3MT workshops and the opportunity to participate in an on-line grant development program. As usual there are plenty of grant opportunities and tips to assist in obtaining grants.

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 [Deborah](#) or [Melanie](#) for inclusion in the next bulletin.

Previous issues of the bulletin can be downloaded as a PDF from the Faculty of Science Research News and Highlights page [here](#)

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Congratulations - Approved for Graduation



Adrian Clements, thesis titled “The effect of water column nutrient enrichment and water regime on vegetation in shallow, ephemeral, freshwater lakes”

Aruni Buddhika, thesis titled “Role of laccase as a virulence factor in the infection of grapes by *Botrytis cinerea*”

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201830 Progress reporting round postponed

Due to a system upgrade, the 201830 progress reporting round will be postponed to July. When the round opens all active HDR students will receive an email inviting them to complete their report. As there is a longer than usual gap between reports, we encourage students and supervisors to keep notes on tasks completed and any issues faced during the first half of the year.

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Faculty of Science HDR & Honours Symposium



The Faculty of Science HDR and Honours Symposium and dinner will be held in Wagga Wagga on Thursday 28 and Friday 29 June. This event is a great opportunity to extend peer networks, develop presentation skills suitable for communicating with a non-specialist audience and take advantage of the professional development workshops designed to enhance research careers.

*Honours students attendance is encouraged but not compulsory

*Doctoral students must attend a total of three and present at two symposia during their candidature.

*Research Masters students must attend a total of two and present at one symposia during their candidature.

*All staff in the Faculty of Science are encouraged to attend.

For those travelling to Wagga the Faculty will provide bed and breakfast for a maximum of two nights.

Please RSVP by Friday 11 May 2018 by completing the online form [here](#).

If you have any questions please contact [Melanie Snell](#), Graduate Studies Liaison Officer.

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Samson Agboola International Travel Grant winner



Congratulations to Esther Callcott from the School of Biomedical Science who will receive \$1000 towards her travel to London in October. Esther will be presenting “*In-Vitro Anti-Inflammatory and Antioxidant Evaluation of Rice-Derived Polyphenols in Endothelial Dysfunction and Obesity*” at the 2018 American Association of Cereal Chemist International (AACCI) conference.”

Thank you to all those who applied, we received a number of competitive applications which were assessed based on:

- alignment with the chemistry/food science disciplines
- demonstrated outstanding achievement
- meeting all other eligibility criteria

Applications for 2019 will open in December 2018 and will close on 28 February 2019.

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‘Winning the 3MT’ Workshops

Workshops have now been scheduled in May for those wishing to participate in 3MT®. Please note these are open to all doctoral candidates so if you are interested in participating in following years you are more than welcome to attend.

The two online workshops, titled ‘Winning the 3MT’ will support you in developing and presenting your speech before the CSU heats in June. In the first we’ll discuss competition rules and explore what makes a successful 3MT presentation. In the second, we’ll provide an opportunity to practice and get further tips for engaging your audience and communicating your message clearly and concisely.

Monday, 14 May, 3-4.30pm (1.5hrs) Winning the 3MT - Part 1 Register	Monday, 28 May, 3-4.30pm (1.5hrs) Winning the 3MT - Part 2 Register
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For further information and registration details see the professional development calendar. If you have any questions, please contact [Joyce Voerman](#).

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Get to Know: Brett Biles



Name: Brett Biles

What School/Centre do you belong to?

I work in the School of Nursing, Midwifery & Indigenous Health (teach in the Ba, Health Science – Mental Health aka Djirruwang program). I am enrolled in my PhD with the School of Community Health.

How did you come to being a PhD student as CSU?

I have lived and worked in the Albury Wodonga area for the last 16 years, I was working at CSU and then wanted to enrol in a PhD (living and working locally CSU was a great fit to do my research locally!)

What were you doing prior to starting at CSU?

I was a physiotherapist managing the physio department at Latchford Barracks (army base) here in Albury Wodonga.

What is the focus of your PhD?

Exploring the effects of exercise and education on cardiovascular disease (CVD) for Aboriginal men in Albury Wodonga. I am utilising a mixed methods approach (three phases).

Who is funding your research?

I have a scholarship through CSU.

Why does this research interest you and why is it important?

Being an Aboriginal man and having family members who suffer with CVD I wanted to try and make a difference!! It is important to do Aboriginal research the 'right way' and giving local Aboriginal men a platform for their voices to be heard has been an honour and a privilege.

What's your favourite meal?

Spanish Chicken

If you could invite anyone to a dinner party who would you invite and why?

The local Aboriginal men who have participated in my PhD! Because of the journey and stories that we have shared and will continue to share!

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Jayden Hunter – ESSA Early Career Researcher Award



Congratulations to Dr Jayden Hunter, School of Exercise Science, Sport and Health, who was awarded runner-up in the Early Career Researcher Award for Exercise Science and Health Category at the Exercise and Sports Science (ESSA) conference in March. A prize of \$1000 was awarded to Jayden at the bi-annual 'Research to Practice' conference.

Jayden presented on the effects of personal, non-personal and no exercise supervision on cardiometabolic health in the workplace: a 16-week randomised controlled trial.

Congratulations Jayden.

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Granted Program – Grant writing on-line course



The 'Granted' program is an online course in grant writing and development, being offered for the first time to CSU researchers (Academic A – C) in 2018. There are limited places in this program (maximum of **10 funded seats**).

The online course has been developed by Dr Anna Hutchens from [Postdoc Solutions Online](#). Granted includes a dedicated facilitator who will give participants personal support, mentoring, and strategic advice during the program. Participants will complete a series of six modules over a two month time frame, commencing 30th July 2018. Participants will have extended access to online modules and support to complete a draft grant proposal within 6 months.

How to Apply

Please download and complete and the Expression of Interest form located on the share drive: S:\Common\Temp Folder Less Than 60 Days\Granted.

Submit Applications to researchpd@csu.edu.au **Applications close on Friday, 1 June 2018.**

Please direct enquiries to Dr Alison Matthews, Manager, Research Professional Development.
almathews@csu.edu.au.

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Research Office Review



Mary Kelly, DVC-RDI, has initiated an external review of the Research Office to ensure the functions and resourcing of the Research Office support a strategic approach to research, and future proof for growth in research capacity at CSU. It has been a number of years since the Research Office was reviewed, and in that time there have been many changes in research and research training, and a high level of engagement from governments at all levels in this area.

The overall objectives of the Review are to develop a proposal to support efficient and co-ordinated service for the University by:

Reviewing the current functions and services provided by the Research Office and their alignment with strategic plans, and external requirements

- Identifying gaps in the range of services and expertise provided
- Identifying any barriers preventing optimum service delivery
- Reviewing the communications with Divisions, Faculties and Centres in terms of identifying options to enhance service delivery
- Identifying an appropriate structure to ensure effective co-ordination and delivery of all services
- Identifying a resourcing model that enables efficient and effective delivery of services
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Any Division, Office or individual is welcome to provide a written submission. Written submissions will be accepted until **10 May 2018**, and should be forwarded to Tracey Bentley tbentley@csu.edu.au and please limit written submissions to 3 pages.

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FOS Leverage Funding – A refresher guide to asking for money



The Faculty can provide leverage funding for **NEW** external funding applications. Leverage is designed to provide support for high quality external research funding applications to encourage return on investment to CSU. Leverage demonstrates that your research is supported by the Faculty and your Institution to provide greater security around investment from the Funding Body.

How much can I ask for?

The amount of leverage \$\$ that can be requested amount is factored **on the amount which will potentially come to CSU and be 'reportable' income for the University.** It is important for you to know when you apply for leverage whether your application is considered to be 'competitive' (i.e. are there other people applying for the same pool of money) and whether your funding sits in Category 1, 2, 3 or 4 of the HERDC (Higher Education Research Data Collection) system. Or not! For more information about these categories please contact your Faculty Research Liaison Officer (FRLO) or ADR and we can advise you, or put you on to someone who can!

As a general rule, the maximum leverage amount that can be requested is **15%** of the total amount of external funding coming to, and staying, at CSU. As reportable research income is only the amount that comes to CSU, and stays at CSU, you also need to think about this when you are putting your leverage request together. However, depending on the funding scheme this % contribution could differ, so having that discussion with your ADR and FRLO when you **start**

to write your proposal is very important. Also remember, if you obtain less funding than you applied for, the leverage amount could be reduced too so think cleverly about this when you start.

How and when should I ask for leverage for my grant application?

Researchers looking for Faculty leverage support should submit a request via email to the Associate Dean Research at least **2 weeks prior to the internal Research Office closing date** for the external funding scheme. Preferably, ask for some advice about leverage when you are first putting your budget together, so that we can talk through the options then. So earlier is better! This is particularly the case if you are asking for leverage from several sources (e.g. Faculty and a Research Centre). We are here to help so don't be afraid to ask.

Your request should provide a detailed project overview:

- The name of the external funding body and information from the guidelines to applications around contributions to the project;
- The expected outcomes of the application in terms of \$\$ coming to and staying at CSU;
- The CSU in-kind commitment to your project;
- How much leverage you are requesting and how that money will be spent in the project;
- How your project aligns with the CSU Research Narrative.

Use the BAF form to assist you putting your budget together as this clearly identifies these components for you. If you can provide all this information then the process of negotiating a leverage commitment from CSU, or your Research Centre, will be much easier.

What happens once I get a leverage commitment?

You will need to confirm any leverage commitments to your project in writing when you submit your application from and NTS to the research office. Make sure you keep any emails or documentation that clearly identifies where leverage, or other \$\$ or in-kind contributions, are coming from for your project. If you also have financial contributions, or contributions of time or resources from external sources, then you will need to have that in writing too. Copies of emails are enough, but they need to be there. So keep a careful track of all of these correspondence and your submission process will be much easier.

What do I do if my grant application is successful / unsuccessful?

Make sure you tell your ADR or RLO the outcome of your application if it has had leverage from the Faculty included in the budget. We need to know to ensure that your money can be accessed or redirected to another project. Communication is the key to all of this!

'Springboard' leverage funding

One other way that leverage can be used is for 'springboard' projects. These are small pilot studies that have a clear track to a larger funding stream at the end of the project. Community engagement projects or translational research is particularly encouraged. If you think you have a project that fits this bill, or want more information, please contact your ADR in the first instance for a more detailed discussion.

Your ADR is AProf Jane Quinn who is based on the Wagga Campus (jquinn@csu.edu.au), telephone 02 693334208 or 34208. Your FRLO, Deborah Munns, is based in Bathurst (dmunns@csu.edu.au), telephone 63386168 or 86168.

We are here to help so just drop us a line, or give us a call.

***This information is also available on the Faculty of Science, Research webpage:

<https://science.csu.edu.au/faculty-research/faculty-funding-opportunities>

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Research Tip: Use the BAF as a project budgeting tool



Budgets for research projects and grant applications can easily be calculated using the Budget Approval Form (BAF). The budget approval form ([BAF](#)) provides a calculation tool and link to salary on-costs to assist in working out all the project costs.

The BAF can be used in the planning and development of a project in addition to submitting the project budget for successfully funded projects.

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New Grant Application Timeline Sheet



A new grant application timeline factsheet has been developed to assist FOS researchers with the grant application timeline. The timeline is modified from an original created by Dr Amy MacDonald for the Faculty of Arts and Education. Thanks to FAOE for permission to use the graphic.

The new sheet is saved, with other fact sheets, in the [S:\Common\Temp Folder Less Than 90 Days\FOS Research Fact Sheets](#)

The resources will also be added to the Science webpage.

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Library Lowdown

This month we are starting a series about the [Research Tab](#) on the Library homepage. This page was redesigned following feedback from researchers, HDR students and academics:

The content on the page is organised in accord with the traditional Research Cycle, with links to Library support for each element of the research cycle.

The first in our series is:

Design & discover

This is the section to get you started. Here you will find information about [Conducting your literature review](#), the library guide we looked at last time. You will also find a link to [access all the information sources](#) you will need, including PRIMO, Databases and other helpful sources. There is also information on [finding and accessing theses](#); including how to search for both CSU and other University items. You will also find a link to the Library's bibliographic management software, [EndNote](#). Of course you will also find information

Design & discover

- [Research consultation & training](#)
- [CSU research strategy](#)
- [Conducting the literature review](#)
- [Access information resources](#)
- [Keep up to date with the literature](#)
- [Finding theses](#)
- [Interlibrary loans](#)
- [Manage & cite references using EndNote](#)

about different types of [Research consultation and training services](#) offered by your friendly Library Faculty Liaison team as well. These can include online sessions offered through the Research Office PD Calendar, and are detailed below, as well as other self-help tutorials and training options.

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ABC Top 5 Media Residency Program



Applications are now open for the ABC's Top 5 Media Residency Program. This is open to early career researchers in Science and Humanities, offering a two week residency at the ABC to share your knowledge and hone your communication skills and media awareness.

Let's show off the brilliant work happening beyond the city fringes.

More information at the [ABC radio page](#).

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Canberra Health Annual Research Meeting (CHARM) 2018 – 31 July



CHARM is the premier conference for the communication and translation of health related research practice in the ACT. The conference explores

challenges, opportunities and discoveries in health and medical research in the region and provides opportunity for showcasing research, networking, collaboration and capacity building for researchers and clinicians in the ACT and beyond.

CHARM is held in collaboration with ACT Health, Heart Foundation ACT, University of Canberra, University of New South Wales Canberra, and the Australian Catholic University, the Australian Institute of Sport and The Australian National University.

For more information please refer to <http://health.act.gov.au/researchdata-publications/research/charm-2018>

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Science at the Shine Dome 2018

Science at the Shine Dome is a three-day event in May each year where Australia's most influential scientists gather at the Shine Dome in Canberra to celebrate science and to honour outstanding achievements in science. This year, Science at the Shine Dome is on Tuesday 22 to Thursday 24 May and features a symposium titled *Predict, Respond, Recover: science and natural disasters*.

Science at the Shine Dome is an event for researchers from all disciplines and career levels to come together and share knowledge. On May 24 between 1pm and 4pm there will be four EMCR workshops:

EMCR Workshop 1: Getting the story right: writing the first draft
Presented by Malini Devadas from MD Writing and editing

EMCR Workshop 2: Contributing to change: developing good policy in science
Presented by the EMCR Forum

EMCR Workshop 3: Career Planning for Research Academics
Presented by Lyn Airey and Kirsten Bartlett, The GrantEd Group

EMCR Workshop 4: Building your online profile and getting your head around social media
Presented by AusSMC

More information is available [here](#)

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Haemophilia Foundation Australia Research Fund Grants

\$20,000 is available for medical, scientific or social research to improve outcomes for people with haemophilia, von Willebrand disorder or other related inherited bleeding disorders, and/or those with medically acquired blood borne viruses.

<https://www.haemophilia.org.au/research/research-fund/hfa-research-fund-grants>

Closing Date - 30 June 2018

Additionally: National Blood Sector Research and Development Program – Closes 1 June 2018

<https://www.blood.gov.au/research-and-development>

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Georgina Sweet Awards for Women in Quantitative Biomedical Science

The **Georgina Sweet Awards for Women in Quantitative Biomedical Science** were created by Professor Leann Tilley as part of her Australian Research Council Laureate Fellowship program to promote and support female scientists who demonstrate excellence in the area of Quantitative Biomedical Science.

Quantitative Biomedical Science is Biological/Biomedical Research that employs a quantitative approach, particularly in areas such as Computational Biology, Biophysics, Bioinformatics, Biochemistry, Genomics, Structural Biology, Cell Biology etc.

Georgina Sweet Award for Women in Quantitative Biomedical Science: Up to three awards of \$25,000 each will be made each year to Australian female researchers who demonstrate excellence in the area of quantitative biomedical science. Applications for this year's award open on May 1st and will close on May 31st, 2018.

Georgina Sweet Travel Support for a Female Keynote Speaker in Quantitative Biomedical Science: Up to three awards of \$3,000 each are available each year to support the attendance of a female keynote speaker at an Australian conference. Applications are open at any time until awards have been allocated for the year.

For more information, guidelines and to apply please visit:

<http://mdhs.unimelb.edu.au/equity-and-diversity/georgina-sweet-laureate-fellowship>

Or contact: gslf-tilleyadmin@unimelb.edu.au

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The Max Day Environmental Science Fellowship Award

The Max Day Environmental Science Fellowship Award is an annual award of up to \$20,000 per awardee to assist early stage PhD students or early career researchers with their research. It provides funding support toward the costs of travel, courses or research expenses. Grants are GST exclusive.

Applicants must demonstrate a multi-disciplinary approach to their research work and conduct their research in *one or more* of the biological sciences relating to *one or more* of the following disciplines:

- conservation of Australia's flora and fauna
- ecologically sustainable resource use
- environmental protection
- ecosystem services (either provisioning services, or habitat and supporting services).

[This award is open](#) to applications and will close at 9:00am (AEST) on Friday 1 June 2018.

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2019 Arthritis Australia National Research Program

There are three categories:

- Fellowships
- Scholarships
- Project Grants and Grants in Aid

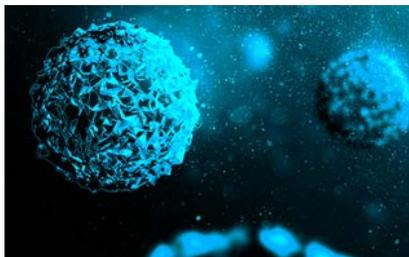
To support specific research projects into arthritis and other musculoskeletal disorders To support career development of scientists and clinical investigators committed to research into arthritis and allied disorders .

Closing – **Friday 6 July 2018.**

For more information on each program – [Arthritis Australia Programs & Research](#)

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Merck Research Grants



In celebrating its 350th anniversary, Merck offers a series of research grants to stimulate innovative research in challenging areas of future importance. Merck intends to provide several research grants of up to **EUR 350,000 per year for 3 years** in various research areas with the option of extension or expansion.

The four main areas of research include:

- Healthy Lives / Drug Discovery
- Life Reimagined / Synthetic Biology
- Materials & Solutions
- Digitalisation / Computing

Closing **15 August 2018.** For more information refer [here](#).

NHMRC Translating Research into Practice Fellowships

The TRIP Fellowships scheme is a two year part-time Fellowship providing protected time to support future leaders to implement established evidence into practice. **Close 23 May 2018.** <https://www.nhmrc.gov.au/grants-funding/apply-funding/translating-research-practice-trip-fellowships>

Fulbright Opportunities – Information Session

The Fulbright Program is an internationally-renowned educational exchange program, providing opportunities for scholars to undertake research or study in the United States.

In this information session, Professor Rod Hill (Fulbright Ambassador at CSU) and Tara Hawley (Scholarships Manager at the Australian-American Fulbright Commission) will tell you more about the new and exciting program of Fulbright Future Scholarships on offer to Australian applicants, and the benefits of undertaking an exchange as a Fulbright scholar. If you are looking to secure one of these unique and prestigious awards, then come along to this session to have all your questions answered including how to apply, who you can turn to for support, and what's involved in the selection process.

When: May 16 1.30pm – 2.30pm Register: <http://www.csu.edu.au/research/professional-development/program-calendar>

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National Science Week 2018 – Host a Morning Tea



Did you notice the cartoon character above in the introduction area of the Bulletin? It is one of eight new characters each participating in science which are now available to download for **National Science Week in 11 – 19 August 2018**. We will feature one character per month in the lead up to National Science Week.

If you are interested in hosting a science themed morning tea during National Science Week, please register [here](#) for a Brain Break quiz pack before 17 July 2018.



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Finally..... time to hit the dance floor!



Science can make you a better dancer - or at least improve your chances of not looking stupid. Dr Nick Neave and graduate student Kristofor McCarty at Northumbria University found that **for men** it all comes down to the variability of movement size of the neck, trunk and left wrist, and the speed of movement of the right knee. **For women** it all about hip swing and asymmetrical movement of arms and legs.

Watch the clips (click on above links) before you hit the dancefloor at the next wedding or celebration you are attending.

Sources: Business Insider & GeoBeats News

Next Issue:

If you would like to contribute a story to the June 2018 issue please send it to **Deborah or Melanie** by the **21st of May**. The next issue will be released in the first week of **June 2018**.

Until next issue.....

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