Welcome to Issue 16 of the Faculty of Science Research Bulletin which is the last for 2017. This issue is the 'Bumper Summer Issue' filled with great news about the fabulous work being done in the Faculty of Science.

In this issue we get to know Johnathan Hewis, who is a HDR candidate and an academic in the School of Dentistry and Health Sciences. As a bonus we also get to know Anne Geddis, who is a School & Community Outreach Coordinator at Wangaratta Regional Study Centre who works hard to instil a love of STEM subjects among school students within CSU's footprint area. This issue also features information on Dr Keller Kopf, who is one of the five Faculty of Science Post-Doctoral Fellows, and Dr Nur Hassan who is busy collaborating in Japan, Indonesia and Bangladesh.

There is also plenty of news on awards, promotions, funding and professional development opportunities. Please note the information on the retirement of the Faculty of Science Human Ethics Committee and the March census date for HDR students.

We finish the year with a Faculty of Science Find-a-Word (also attached as a PDF). Sit back and enjoy the read.

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.

The next bulletin will be released in early February 2018.

Previous issues of the bulletin can be downloaded from the Faculty of Science Research News and Highlights page here

In this month’s bulletin:

**HDR NEWS**

- Congratulations - Approved for Graduation
- Welcome to our New Candidate
- Samson Agboola International Travel Prize now open
- Attention students submitting on or before March census date
- Last chance to complete progress reports
- Changes to enrolment process from 201830 onwards
- Getting to Know - Johnathan Hewis (Academic & HDR Candidate)

**RESEARCH NEWS**

- Kristy Robson – 5RP National Finals
Congratulations - Approved for Graduation

Aaron Preston, thesis titled “Developing Diversity Arrays Technology genetic markers to detect herbicide resistance in annual ryegrass (Lolium rigidum Gaud)”.

Anayochukwu “Edward” Anyasodor, thesis titled “Study of the Association of Diabetes Mellitus and Orodental Health in Rural Communities of Nigeria”

Carmen Amos, thesis titled “Response of Frogs to Environmental Factors at Multiple Scales in the Lachlan Catchment of NSW”

Cassius Coombs, thesis titled “Identifying Storage Thresholds in Frozen and Chilled Lamb Meat”

Cécile van der Burgh, thesis titled “Connectivity conservation: an exploration of practitioners’ experiences in Australia”

Clare Flakelar, thesis titled “Australian canola oil - the influence of varietal traits, processing and storage on phytosterols, tocopherols and carotenoids”

Jacqueline Spurway, thesis titled “Ultrasound Reference Ranges of the Intra-amniotic Umbilical Cord Vein: Statistical Modelling and Implications for the Detection of Intrauterine Growth Restriction”
**Katryna van Leeuwen**, thesis titled “The application of GC-C-IRMS to the authentication and characterisation of foods and beverages”


**Nadeeka Bandara**, thesis titled “The Role of Nitric Oxide Signalling on Direct Reprogramming of Adult Stem Cells and Fibroblasts”

**Samantha Strong**, thesis titled “Exploring Paradoxes of Native Vegetation Management in the Context of Bushfire in South East Australia in the 21st Century”


**Zelmari Coetzee**, thesis titled “The Sugar-Potassium Nexus within the Grape Berry”

Welcome to our New Candidate

**Bikshapathi Jagga** – School of Biomedical Science, working with Jade Forwood, Shane Raidal and Yogesh Khandokar. Jaggi commenced this session full-time on the Wagga campus.

*Please make him feel welcome.*

Samson Agboola International Travel Prize now open

Named in memory of Associate Professor Samson Agboola, the Faculty of Science will offer an annual prize up to the value of $1000 to contribute toward travel to a relevant international conference or visiting international laboratories/institutions for the purpose of developing collaboration, presenting results or conducting experiments.

Candidates must be currently enrolled in a Doctor of Philosophy or Master of Philosophy with research activity focused on chemistry and/or food science in order to be eligible.

Further information and the application form can be found on the Faculty of Science Scholarships and Prizes page. Applications close 28 February 2018.

Attention students submitting on or before March census date

In order to avoid delays in the examination process please ensure examiners are finalised up to two months before the thesis is submitted. Although candidates should not know who their final examiners will be they should initiate a discussion with their supervisors early on to identify researchers with expertise in the field who could provide a fair and balanced assessment of the work. Candidates are also encouraged to state who they would not want as an examiner, for example where they are known to have strongly opposing views, methodologies and/or practices.

The Principal Supervisor is then asked to contact potential examiners and complete the Notification of Readiness to Submit Thesis & Appointment of Examiners form and forward to the Sub Dean A/Prof Sandra Savocchia for review.

Also, don’t forget that candidates are no longer required to print copies of their thesis for examination, the thesis should be a word processed or typescript electronic document submitted in an electronic format such as PDF.

For any questions regarding the process please contact Melanie Snell.
Last chance to complete progress reports

A reminder that the current progress reporting round is due to close very soon, if you have not completed this please do so immediately. For more information about progress reporting and for the link to the link to My Research please visit the RO website.

Changes to enrolment process from 201830 onwards

HDR candidates are required to be formally enrolled for two academic sessions per calendar year for each year of their candidature, except where a specified period of Leave of Absence has been approved.

To ensure correct enrolment for 2018, candidates will soon receive an email from the Division of Student Administration (DSA) to advise the subject/s they have been enrolled in for 2018. Candidates will need to respond either:

- Confirming authorisation of the enrolment
- Proposing an alternate subject
- Advising they will be applying for a session of leave of absence.

Deadlines and further information will be included in the email.

If no response is received, the enrolment will be removed and candidates may receive an abandonment of candidature letter.

Please ensure your contact details are correct via Online Administration.

Getting to Know - Johnathan Hewis (Academic & HDR Candidate)

What School/Centre do you belong to?

I am a lecturer in Medical Imaging and an Associate Head of School within the School of Dentistry and Health Sciences, while my PhD enrolment is with nursing.

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

I started working with CSU at the new Port Macquarie campus at the beginning of 2013. I had previously commenced a self-funded professional doctorate in the UK but had to stop due to attracting international fees as a new permanent resident here in Australia.

What were you doing prior to starting at CSU?

I moved to Australia in 2012 as a Senior Lecturer and Discipline Lead at Central Queensland University, prior to that I was a Senior Lecturer at Sheffield Hallam University in the UK. I am a diagnostic radiography by background and qualified in 1998.

What is the focus of your PhD?

The focus of my PhD is to acquire a deep, holistic understanding of the phenomenon of anxiety within clinical MRI and how this is experienced by patients and MRI practitioners. I aim to illuminate the lived experience of anxious adult patients undergoing clinical MRI examinations along their entire MRI journey, the meanings that anxiety has for those
who experience it, and what factors are perceived as enablers and barriers. I also aim to explore the patient-practitioner relationship and how MRI practitioners perceive and manage anxious patients.

**Who is funding your research?**

I am very lucky to have successfully gained funding and workload support through the Academic Staff HDR Workload Support Scheme. So I owe a huge thanks to both the school and the Faculty of Science for supporting me on my research journey.

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

Many patients experience anxiety, fear or even panic attacks during MRI. These features are not unique to just claustrophobia as a specific anxiety disorder but are present in many emotional and anxiety disorders. I practiced MRI clinically for many years and on a daily basis witnessed the fear and panic attacks that can be precipitated within the MRI environment. Incomplete or prematurely terminated examinations can also have implications for diagnosis, throughput and revenue. I have always been passionate and interested in patient experience and patient centred care both as a clinician and within an academic role. I hope to elucidate what is good clinical practice to help improve the experience and increase acceptance for anxious patients undergoing MRI examination.

**What’s your favourite meal?**

One eaten with friends and family! I love many cuisines, which reflects my passion for travelling and experiencing new cultures. Favourites include Italian, Japanese, any seafood and vegetarian Indian dishes. Being a long course triathlete, I also have a slight obsession with carbs and I consume a large quantity of bread, potatoes and pasta daily.

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

The British comedian Michael McIntyre! For me a dinner party should include plenty of laughter and a good bottle of wine.

*Thanks very much for agreeing to be interviewed Johnathan.*

**Kristy Robson – 5RP National Finals**

Congratulations to Kristy Robson, School of Community Health, who represented the Faculty of Science, and CSU, at the recent Five Minute Research Pitch (5RP) National Finals on the Melbourne campus of Central Queensland University. Kristy presented in the Group 1 Health and Sciences final.

Sam Bowker from the School of Communication and Creative Industries was the Group 2 Humanities and Social Sciences representative. *(Sam and Kristy are pictured left)*

Both Sam and Kristy were impressive ambassadors for the diverse research we do here at CSU, congratulations to you both.

The University of Southern Queensland will host the 2018 5RP National Final. Keep an eye out for an announcement early in 2018 about CSU’s participation in the competition, and have a chat to Kristy, or Abishek Santhakumar (SBMS) who represented CSU in 2016, about their experiences and gain valuable pointers!

Congratulations to both Kristy and Sam for representing CSU at a national level.
Dr Nur Hassan – Multiple International Collaborations

Dr Nur Hassan, a lecturer with the School of Dentistry and Health Sciences, has developed extensive international collaborations with universities in Japan, Bangladesh and Indonesia.

Nur holds a visiting research fellow position with the Oral Maxillofacial Surgery & Bio-Pathology department at Okayama University, Japan. He is also working on five projects with Japanese partners at Okayama University, Kyushu University, Hokkaido University and Nagasaki University. Nur has published over 6 articles with his Japanese collaborators in 2017.

The relationship with Okayama University builds on one he developed when he was as a postdoctoral fellow in Oral and Maxillofacial Surgery & Pathology department in the Okayama University Dental School between the years of 2008 and 2010. During this time he gained extensive clinical experience within the field of oral health and made long lasting connections.

*Nur is pictured above with Prof Akira Sasaki of Okayama University and his wife when they visited Australia earlier in 2017.*

*A selection of Nur’s publications during 2017 include:*


Congratulations – ARC Discovery Grant

Congratulations to Dr Sarah Verdon a Post-Doctoral fellow in the School of Community Health and Prof Sharynne McLeod, School of Teacher Education

Sharynne and Sarah have been awarded a Discovery grant, *Vietnamese-Australian children's speech and language competence*. This project aims to support Vietnamese-Australian children and families to maintain their home language, enhance speech skills in Vietnamese and English and equip English-speaking professionals to support multilingual children’s speech. Expected outcomes include enhanced language maintenance and scalable prototypes for other languages. This project should provide cultural, economic and social benefits for Australia including increased multilingualism, social cohesion, and enhanced capacity to participate in a globalised economy.
Congratulations to Dr Rachel Whitse, Dr Alexandra Knight (pictured left), Associate Professor Rosemary Black and Robin Harvey, who were co-authors of a paper “Better rural city park planning to improve older people’s health and well-being” which won the best rural public/population health research presentation at the 2017 NSW Rural Health & Research Congress, Wagga Wagga, September 27-29. The paper is based on their Better Parks for People project.

“The Better Parks for People project is an excellent example of a collaboration with an industry partner, in our case Albury City, and a project that has real world application for local councils around Australia,” says Associate Professor Rosemary Black.

“The spatial tool we’ve developed will help recreation planners plan and develop urban parks the meet the specific needs of our ageing population, which is a real social and health issue that governments at all levels are grappling with.

“The Better Parks for People project team are delighted with the win. The congress is an important event in the rural health calendar that attracts rural and remote clinicians, researchers and service providers to share their knowledge and experience around a theme which this year was “Our Future - World Class Rural Health”.

“The award acknowledges the significance of our project to not only the parks and recreation field but also the health field.”

Originally featured in the ILWS Newsletter – Connections – Issue 48 2017

Congratulations on Promotion

Congratulations to the following FOS staff who have been successful in their application for academic promotion during 2017.

Kristen Andrews – Community Health Level B - Lecturer
Maggie Watson – Environmental Sciences – Level B – Lecturer
Jodie Price – Environmental Sciences – Level C Senior Lecturer
Atieh Sadr – Dentistry & Health Sciences - Level C Senior Lecturer
Geoff Dutton – Animal & Veterinary Sciences - Level C Senior Lecturer
Stephanie Knott - Animal & Veterinary Sciences - Level C Senior Lecturer
Leigh Schmidtke – Agricultural & Wine Sciences – Level D Associate Professor
Dale Nimmo – Environmental Sciences – Level D Associate Professor
Skye Wassens - Environmental Sciences – Level D Associate Professor
Ben Wilson - Environmental Sciences – Level D Associate Professor
Sandra Savocchia - Agricultural & Wine Sciences – Level D Associate Professor
Marta Hernandez-Jover – Animal & Veterinary Sciences - Level D Associate Professor
Rafael Freire - Animal & Veterinary Sciences - Level D Associate Professor
Robert Woodgate - Animal & Veterinary Sciences - Level D Associate Professor
Bruce Allworth - Animal & Veterinary Sciences – Level E Professor
Janelle Wheat – Dentistry & Health Sciences – Level E Professor
Goodbye and Hello – FOS Associate Dean

The Faculty of Science farewells Professor Janelle Wheat who has had a major contribution and influence in the FoS leadership and across CSU and will be leaving us at end of December after 15 years at CSU and 4 years as Associate Dean to take up a Deputy Dean (Education) for FoS at UNSW in the new year. We wish her all the very best and will miss her!

We welcome Dr Cate Thomas to the leadership team as she leaves her current FoS Courses Director role and takes on the role of Associate Dean (Academic) from January 2018. Prior to joining CSU as a senior lecturer in Social Work and Human Services, and then Courses Director in Faculty of Business, Cate has extensive leadership and strategic management experience as a senior manager in both the NSW and ACT public services responsible for the full operational requirements for the areas managed. Cate was named Social Work Educator of the Year 2017 ANZSWWER.

Dr Keller Kopf - Post-Doctoral Research Fellow

Dr Keller Kopf’s success in securing a Faculty of Science Post-Doctoral Research Fellowship this year has given him a wonderful opportunity to “focus” on research, particularly invasive fish species.

He sees the fact that the University’s Faculty of Science has allocated five fellowships as a strong sign of its commitment to investing in research. “I think investing in post docs is a cost effective way of doing that,” says Keller, one of two postdoctoral fellowship recipients from the School of Environmental Sciences. (The other recipient is Dr James Turner.)

“The selection criteria asked applicants to demonstrate collaboration with both people at CSU, external research organizations and industry partners. The positions are meant to improve the research environment more generally as well as generating high impact research outputs and grant income.”

Keller, who began the three year fellowship in July this year, says there will a couple of different areas he will focus on. “A big focus will be on invasive species and in particular the effects of common carp on native fish and aquatic food webs,” says Keller who is in the process of aligning sampling activities with some of the current Commonwealth Environmental Water Office (CEWO)’s Long Term Intervention Monitoring sites.

Funding from the Murray-Darling Basin Environmental Water Knowledge Research Project (EWKR) will be used to undertake stable isotope and fatty acids analyses on muscle tissue samples of native and invasive fish. “That will tell us what the different species of fish are eating and help us understand linkages between native and invasive species,” says Keller. “The idea is to understand more about the food web interactions between common carp and native fish. Potentially this could be used as a longer term monitoring tool for assessing outcomes from environmental flows as well as the potential effects of releasing the koi herpes virus to control carp, if that happens.”

EWKR has five research themes, one of which is on fish (involving Dr Paul Humphries), another is on foodwebs. “One of the things I am trying to do is help link the fish and the foodweb themes,” says Keller who is also developing projects related to understanding the impacts of river flow alteration on the extinction risk of native fish and the likelihood of invasive species being successful.

“These desktop analyses will use existing information mainly available as GIS data on rivers in different places around the world and peer-reviewed literature looking at whether or not we can predict the extinction risk of native fish based on differing degrees of river flow

Originally featured in the ILWS Newsletter – Connections – Issue 48 2017
Anne Geddis: School & Community Outreach Coordinator at Wangaratta Regional Study Centre

This month we also have the opportunity to meet Anne Geddis who is based in Wangaratta and works to instil a love of STEM among students at schools within CSU’s footprint area. Anne is encouraging future CSU students to enjoy STEM.

What drew you to this role at CSU?

I started with CSU in November 2013. The opportunity to continue my work in education after finishing a very rewarding career in secondary education. A lot of my work had been working with senior students preparing them to transition from school to work or study. To work with them & younger students to build aspirations and make them aware of their many choices, especially including local opportunities

What is the focus of your work?

Through STEM activities, raising university engagement and student aspirations. Data shows that North East Victoria region has one of the lowest tertiary uptakes by students and also a very low level of tertiary qualifications amongst the parents’ generation. In line with these objectives I have a major focus on STEM studies, in schools amongst teachers & in the community. We provide activities aimed to inspire students in their STEM studies, provide professional development for teachers to upskill and organise community events to build awareness of the importance of STEM to our community.

What motivates you to do this work?

I am very passionate about the opportunities education affords all people. STEM and lifelong learning are not just phrases to me. I practise this myself and love seeing the light bulb moments to students and adults alike as they become inspired.

Are you currently working on any special projects?

My special project is building a STEM program of excellence for North East Victorian schools, with a plan for many aspects to be transferable to other regions. This work is extremely rewarding and is being done as collaborative project with other local groups interested in educational opportunities in rural & regional contexts. As a result we now have a regional Digital Technology Advisory Group.

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

STEM is so important in careers of the future. Working with schools & other educators is a must if we are to prepare our future generations. Providing equality in education has many challenges but these a multiplied when we look at rural contexts. I feel my work is contributing to help overcome some of the inequalities rural students need to work through. My work in secondary schools, both metropolitan & rural, has given me insight into this space. I worked hard to overcome disadvantage in my work in secondary schools & now working from the other side of transition is very rewarding.

Who are your partners in doing this work?

NETRACKS LLEN, GOTAFE, Galen Catholic College, local primary & secondary schools and local industries.

How do these partnerships work?

Most of these partnerships work very well. The core group; NETRACKS, GOTAFE & Galen are a wonderful example of how good collaborations can work. In 2 years we have grown from one event showcasing STEM to 16 events providing opportunity & knowledge to highlight the importance of STEM study in preparing us for future careers.

What do you do outside of CSU?
Outside of CSU I have a strong interest in many sports, travel, family & community. I am active but no longer play competitive sport (unfortunately) I am a keen spectator of Soccer, A-league & international, netball, local national & international & most other sports. I also am a keen cyclist, walker & attend local gym for health & fitness.

*Thanks Anne for sending your story for inclusion in the bulletin.*

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**CSU Athena Swan STEM Video Launched**

The CSU produced *What Would Happen If... ?* video was launched on the 29th of November by the CSU Athena Swan team. Featuring Rylee Dionigi, Lucy Webster and Melissa Nott of the Faculty of Science the video discusses what led each of these women to a career in STEM and the challenges they have overcome in their journey.

[https://www.youtube.com/watch?v=NmD3XqEFrpw&feature=youtu.be](https://www.youtube.com/watch?v=NmD3XqEFrpw&feature=youtu.be)

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**Universities Australia – Pitch it Clever Video Competition**

*Universities Australia* challenges researchers to talk up their research in a 1-2 minute video. The video should aim to get leaders from across the country to become champions for your work.

Three prizes are up for grabs:

- The Vice-Chancellors’ Award
- The Delegates’ Choice Award
- The People’s Choice Award

Applicants must be an Australian university PhD candidate or researcher up to 10 years from PhD completion. Applicants must provide evidence of their eligibility in their submission.

The Vice-Chancellor’s award will be presented during the Universities Australia Higher Education Conference between 27 February and 1 March 2018. Applicants should be aware that the winner will need to be available to attend this event.

More information: [https://pitch-it-clever.thinkable.org/](https://pitch-it-clever.thinkable.org/)

If you are interested please contact Deborah Munns – Faculty Research Liaison Officer, by 21 December dmunns@csu.edu.au

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**Faculty of Science Human Ethics Committee – Retiring as of December 2017**

From 2018 all Human Research Ethics applications are to be submitted through a single centralised submission point ethics@csu.edu.au.

To meet the load the HREC will have two panels that fully meet the requirements of the NHMRC, including adequate administrative support. These panels will effectively be two connected HRECs within CSU.

Each panel will meet monthly, but meeting dates will be offset so that one HREC meeting occurs fortnightly. Researchers will submit their applications to the ethics@csu.edu.au email address, and the date of submission will determine which panel reviews each application.
All FOS FHEC records will be transferred to HREC. Ongoing management of existing ethics applications that have been approved by Faculty committees will be managed by the HREC from January 2018. Reporting requirements will remain the same, however reports should be submitted to ethics@csu.edu.au

For additional information regarding Ethics Process and Meeting schedules please review the HREC website http://www.csu.edu.au/research/ethics_safety/human

Thank you to the outgoing FOS Human Research Ethics Committee members and alternate members for their time and commitment in managing the Low Risk Human Research Ethics review process.

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Library News - Primo Search Upgrade: what it means for you.

On 4th December 2017 Primo Search was upgraded to a new and improved interface!

Before the launch of the new interface there are three things to be aware of:

InterLibrary Loans You will not be able to submit Inter Library Loan requests from 22 November to 6 December.

- My Library Record From 5pm Friday 24 November to Sunday 3 December you will be unable to log into My Library Record. To place digitization and hold requests during this period please use the Temporary Request Form in Primo Search.
- Search History Your Search History will not migrate to the new Primo Search interface. If you wish to retain a copy of this information, please do so before 24 November. To save your search history follow these instructions.

We’ll let you know what to expect from the new interface closer to the launch.

If you have any questions about the upgrade or how to save your information please contact the Library.

Upcoming Library Training

The Library’s training sessions have finished for 2017, but keep watching for the 2018 training calendar which is being compiled now. We would like your help, tell us which times you would like to see your training sessions run. Morning, 9.30; afternoons, 2.00pm or evenings, 6.00pm? You can reply by sending an e-mail through to me; Tabitha Merrell tmerrell@csu.edu.au

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The 2nd National Indigenous Mental Health & Wellbeing Forum

The 2nd National Indigenous Mental Health & Wellbeing Forum has been developed together with community and industry leaders to provide attendees with practical tools to tackle mental health issues within Aboriginal and Torres Strait Islander communities. Community and industry leaders from across the country will share their successful case studies on how to improve services and outcomes through better engagement, assessment and treatment.

Attend this practical forum and learn how to:

- Develop culturally appropriate service delivery programmes that better meet the needs of Indigenous people
- Provide accessible pathways for Aboriginal and Torres Strait Islander people to receive support
- Create community-based approaches to improve mental health outcomes
- Successfully engage with communities and Elders to understand the community culture and its needs
- Educate mainstream staff to better engage with Aboriginal and Torres Strait Islander people
• Create employment opportunities and career pathways for Aboriginal and Torres Strait Islander employees in the mental health sector
• Develop cross-sector partnerships to share resources and increase outreach.

Wednesday, February 21, 2018 (All day) to Friday, February 23, 2018 (All day). Find out more and register @ http://bit.ly/GOV44APO

ABARES Outlook 2018 – Creating value in an increasingly connected world

When and where is Outlook 2018 being held?
ABARES Outlook 2018 is on Tuesday 6 and Wednesday 7 March
National Convention Centre Canberra
31 Constitution Avenue, Canberra

Sessions at Outlook 2018
The program features leading national and international speakers complemented by local producers and ABARES speakers. Take advantage of their insights and analysis.

Day 1 – Tuesday 6 March
• Economic overview
• Future food choices, demand and distribution
• Farm performance: can digital technology transform farm marketing?
• Preparing for tomorrow’s climate today
• Horticulture: connecting with consumers
• Growing agriculture with new capital and technology
• Leading rural transformation
• Dairy: creating value.

Day 2 – Wednesday 7 March
• The changing regulatory framework in Australia’s export markets
• There’s more to market access than tariffs
• Meat: adding value in competitive livestock markets
• Shared responsibility and partnerships in contested spaces
• Grains: profiting from market innovation
• Future of water markets in the southern Murray Darling Basin
• Innovation in policy: rethinking rural investment.

Read more about the program online including the range of speakers and issues.

Grant Schemes – Open
(Please remember that CSU has an internal deadline of 10 working days prior to the external closing date which requires the submission of a signed Notice to Submit form (NTS), completed application & scheme guidelines to be submitted to the research office for final review – research@csu.edu.au).

Women’s Leadership and Development Program – Closes 8 January
The Australian Department of the Prime Minister and Cabinet invites applications for its women’s leadership and development program. This supports one-off or small-scale projects that contribute towards the implementation of the women’s workforce participation strategy and women’s safety on a national scale within Australia. The objectives of the program are to improve outcomes for Australian women in the following areas:
The objectives of the program are to improve outcomes for Australian women in the following areas:

- economic security;
- workforce participation;
- leadership;
- women’s safety;
- international engagement.

**Women’s Leadership and Development Program**

**The Norman Wettenhall Foundation Small Environmental Grant Scheme** – Opens December 2017 for February 2018 closure.

We are looking for projects around:

- flora and fauna conservation
- threatened mammal conservation
- landscape restoration and education (Victoria only)


**Fisheries Research and Development Corporation** – Closes 15 February 2018

The FRDC will evaluate applications based on two levels of assessment:

Greater than $175,000 (incl GST) assessed by the FRDC Board. This will occur at the April, August and November board meetings.

Less than $175,000 (incl GST) and considered low risk, assessed by the FRDC. An application can be submitted at any time where an RAC, subprogram or IPA wishes to address an issue. These projects must have a budget of less than $175,000 and be considered a low risk by the FRDC.

A summary of the process is as follows:

Applications will be assessed by the RACs, subprograms and IPAs in March. The FRDC will assess these applications in April and notify applicants in April–May.


**Spencer Foundation**

The Small Research Grants program aims to support smaller scale or pilot research projects that have budgets of $50,000 or less. Proposals are encouraged from scholars across a variety of disciplines in an effort to fund field-initiated education research.

Small Research Grant proposals are accepted 4 times per year. The next deadline is at 4:00pm CST, February 1, 2018. The following deadlines will fall on May 1, 2018, August 1, 2018, and November 1, 2018.

[https://www.spencer.org/small-research-grants](https://www.spencer.org/small-research-grants)

**NHMRC 2018 Development Grants Round Open for Applications**

The **2018 Development Grants** are now open. The scheme provides financial support to individual researchers and/or research teams to undertake health and medical research within Australia at the proof-of-concept stage that specifically drives towards a commercial outcome within a foreseeable timeframe. Minimum data must be entered in RGMS by 5pm (AEDT) **Wednesday 24 January 2018**.
Science meets Parliament

Science meets Parliament offers science, technology, engineering and mathematics (STEM) professionals outstanding opportunities to elevate visibility, awareness and understanding of STEM in Federal Parliament and Federal Government departments. The event will be held on 13 – 14 February while Parliament is sitting, and will build on the strong tradition of fostering relationships and understanding between scientists and technologists, MPs and Senators. Registrations are now open.

STOP PRESS: 2018 Professional Development Calendar

The 2018 CSU Professional Development Calendar will go live in mid-December with the full list of programs for HDR Candidates, HDR supervisors and Researchers listed for the entire year. A range of new programs will be listed.

Keep your eyes open and mark the dates on your 2018 calendar

STOP PRESS: Australian Research Council Seeking Detailed Assessors

The Australian Research Council are currently seeking expressions of interest from academic professionals who wish to participate in the Peer Review process by becoming Detailed Assessors for research project proposals received by the ARC.

I am writing to ask you circulate this call for nominations among your research staff and other stakeholders that may add value as an ARC assessor. Interested persons need to submit their expressions of interest, including a current academic CV and a list of their top 5 publications to the Peer Review team at ARC-Peer_Review@arc.gov.au by Friday 14 December 2017. Any questions may be submitted to the same address.

Information regarding what being an assessor entails, and how to become one are available on the ARC website Peer Review pages.
Finally…… an end of year Faculty of Science summer puzzle

A G R I C U L T U R E E Y D K L V C A
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HEADOF SCHOOL
HEALTH
INDIGENOUS
LABORATORY
MIDWIFERY
NURSING
RESEARCH
SCIENCE
SPORT
VETERINARY
WINE
Next Issue:

The bulletin team wish you a Merry Christmas and a Happy New Year.

If you would like to contribute a story to the first issue for 2018 please send it to Deborah or Melanie by the 23rd of January. The next issue will be released in the first week of February 2018.

Until next issue.......
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A G R I C U L T U R E E Y D K L V C C A
E Q B B S T N A R G X G R L D O P I Y N
Z T I D S K G X S G G Y E E F O I N T D
K S O R E S E X L S V R F S Z H X I I F
G F M W K P N A A S P O I F W C O L N L
V I E I C V V E M S M T W Z B S J C U Y
M A D N C P I S I C P A D S K F C C M R
K Q I E N T R U N I E R I H Z O H U M T
Q A C P U B O O A H C O M A L D Z B O S
T D A G R U N N J T N B X K S A I Y C I
B K L S S P M E Q E E A V S W E U R U T
P P Q C I R E G Q U I L V I P H R A X N
H E R B N F N I U C C S F T Z K F N S E
T E S S G M T D E T S Q M M T N W I W D
T I A K D E A N O F S C I E N C E R Y Q
Y M S L G S L I G B T R O P S V F E K U
W Y W W T B K Z N B X N T N R M G T I X
O P E M E H C S B X A V F Z F Y Y E Y S
E X E R C I S E C Y J B S M P Q C V U J
Z U R E S E A R C H V X W Y A T D O H X

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Created by Deborah Munns – Faculty Research Liaison Officer – December 2017