

FACULTY OF SCIENCE – RESEARCH BULLETIN

ISSUE 3: OCTOBER 2016



Welcome to the October issue of the Faculty of Science's Research and Graduate Studies Bulletin, where we outline all things research and science related!

The bulletin is produced the first week of every month and profiles all aspects of research being undertaken within the Faculty of Science. This bulletin outlines current opportunities for both staff and students including professional development, research tools and news about great achievements.

The bulletin will be emailed every month to all staff and HDR candidates in the Faculty of Science. 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.

In this month's bulletin:

HDR NEWS

- [CSU Scholarship Round – Now Open](#)
- [Approved for Graduation](#)
- [HDR Candidates & Supervisors Contact Points](#)
- [Expending HDR Operating Funds](#)
- [Yuchi Chen – Globetrotting HDR candidate](#)
- [HDR Student Committee](#)
- [Wine Australia Scholarships- Now Open](#)
- [Congratulations Cassily Charles](#)
- [Australia's Chief Scientist visiting Orange](#)
- [5 Minute Research Pitch for ECRs and MCRs](#)
- [Science Forum](#)
- [Gayle Smythe Returns](#)
- [Veterinary Scientists Set the Direction](#)
- [CSU Sustainability Grants - Open Now](#)
- [Hijacked Journals and Fake Publishers](#)
- [Mid-Career Researcher Workshops](#)
- [FOS Ethics - Plan Ahead for Summer Recess](#)
- [Congratulations - Dentistry Grant Recipients](#)
- [And finally, in the lead up to exam time.....](#)

2017 CSU Scholarship Round is now open!



This scholarship round is open to candidates commencing in 2017 or who are currently enrolled in a Higher Degree by Research Program and includes scholarship opportunities for both Domestic and International candidates.

Scholarships are highly competitive and are awarded on the basis of academic merit; past research achievements and/or professional experience; and alignment with CSU's strategic research priorities. Specific eligibility information can be found for each scholarship within the scholarship links, where information is also provided about the award value and duration.

The full list of Higher Degree by Research Scholarships can be found [here](#).

Please visit [how to apply](#) for more information on applying for admission.

If you have any queries about applying for Scholarship please contact your Faculty Graduate Studies Liaison Officer msnell@csu.edu.au

The closing date for all HDR Scholarships is: **Monday, 31 October, 2016 at 5pm Australian Eastern Daylight Time (AEDT).**

[Back to top](#)

Congratulations - Approved for Graduation

Congratulations to the following students who have recently been approved for graduation:

- ❖ **Sal Gurusinghe**, thesis titled "Generation of Articular Cartilage through Gene Modification of Adipose Derived Stem Cells and Dedifferentiated Chondrocytes by Lentiviral Expression of Defined Factors"
- ❖ **Jamin Forbes**, thesis titled "Population Dynamics and Implications for Management of a Murray Cod and Golden Perch Recreational Fishery in South Eastern Australia"
- ❖ **Saiful Bhuiyan**, thesis titled "Management of dryland salinity in Central-West New South Wales, Australia: remediation trials using salt-tolerant plants"
- ❖ **Eak Rana**, thesis titled "Assessment of Ecosystem Services Trade-offs and Synergies in Community Forests of Central Himalaya, Nepal"
- ❖ **Navideh Sadoughi**, thesis titled "Effect of Ripe Rot of grapes (*Colletotrichum* spp.) on the chemical composition and off-flavour compounds in grapes and wine."
- ❖ **Eugene Butkowski**, thesis titled "Emerging biomarkers of oxidative stress and inflammation as indicators of progression to type 2 Diabetes Mellitus and the association with CVD risk"
- ❖ **Mariam Beshay**, thesis titled "The absorption of carbon-13 enriched vitamin B12 in rat and human"
- ❖ **Muhammad Tufail**, thesis titled "Development of Berseem clover (*Trifolium alexandrinum* L.) village-based forage seed enterprises for the profitability and sustainability of the smallholder farmers of Pakistan in mixed farming systems"
- ❖ **Stewart Hall**, thesis titled "*Pseudomonas Syringae* Pathovar *Syringae*: Comparisons, Characterisation and the Grapevine Defence Response"
- ❖ **Syed Rizvi**, thesis titled "Chemical-ecological interaction among *Epiphyas postvittana* (Lepidoptera: Tortricidae) *Botrytis cinerea* (Helotiales: Sclerotiniaceae) and *Vitis vinifera* (Vitales: Vitaceae)"

[Back to top](#)

HDR Candidate FOS Contact

Just a reminder that your Graduate Studies Liaison Officer, Melanie Snell, is here to provide information and support to all FOS HDR candidates and supervisors relating to all aspects of candidature, from initial enquiry through to admission, probation, scholarships, progress and submission of theses. Please get in touch with Melanie on msnell@csu.edu.au with any questions you may have.

[Back to top](#)

Expending HDR Operating Funds



If you are wanting to expend HDR Operating funds. For all non-travel expenditure please contact the Faculty Operations Team (FOS-Ops-Admin@csu.edu.au).

For all travel-related expenditure please contact [CSU Travel](#).

Please ensure that you have your Operating Funds codes (Fund code, Organisation code and Program code) and your principal supervisor has approved the expenditure.

[Back to top](#)

Mr Yuchi Chen – Globetrotting HDR Candidate



Mr Yuchi Chen PhD candidate in the School of Animal and Veterinary Science/Graham Centre, supervised by Dr Jane Quinn and Dr Panayiotis (Panos) Loukopoulos has recently returned from presenting in China and attending a conference in France.

In May of this year Yuchi was invited by Zoetis China, an international veterinary pharmaceutical company, to deliver seven full-day educational lecture and wet labs on the subject of Clinical Pathology (Haematology and Cytology) to veterinarians in seven cities. In total, 445 participants attended his lectures.

Yuchi reports “That in China, the need for proper veterinary medicine service has increased tremendously in the last ten years, along with the demand for good continuing education to veterinary clinicians themselves.”



Immediately after his lecture trip in China, Yuchi attended the *8th World Congress of Veterinary Dermatology (WCVD8)*, in Bordeaux in France. WCVD is only held every four years. This year, 2250 veterinarians from over 70 countries participated.

Yuchi was awarded two scholarships to attend the congress. Yuchi was awarded one of thirty *World Association for Veterinary Dermatology (WAVD)-WCVD8 scholarships* which covered his travel costs and one of two, *International Society of Veterinary Dermatopathology (ISVD) scholarships*, which gave him registration to a special ISVD lecture day.

Yuchi reported that the conference will be of tremendous benefit to his research project on photosensitisation related to plant toxicity in livestock as well as extending his research networks.

[Back to top](#)

HDR student committee – FOS contacts



A HDR Student Committee has been formed to enable candidates to have a formal voice within CSU. Ms Cara Wilson and Ms Zelmari Coetzee will be representing the Faculty of Science on the committee which will include the Director, Research, Associate Professor Gethin Thomas, Director, Engagement and Transition Strategic Practice Leader, Mr James Brann as well as representatives from the other Faculties.

If you have any items that you would like Zelmari or Cara to raise with the committee their emails are as follows: cwilson@csu.edu.au and zcoetzee@csu.edu.au

[Back to top](#)

Wine Australia's scholarships open now!

Applications for Wine Australia's PhD and Masters by Research scholarships are now open for scholarships commencing 1 January 2017.

Applicants must be enrolled at an Australian university and be attending on campus (distant education students are not eligible). Should a candidate have already commenced their study, they are still eligible to apply for a scholarship for the remainder of their candidature.

Please consult the PhD and Masters by Research application guide on the Wine Australia research, development and extension website for full details.

Applications close on **Friday 4 November 2016**.

[Back to top](#)

Congratulations to Cassily Charles



Big congratulations to Cassily Charles, the Academic Writing Coordinator for HDR students, on winning an OLT citation *"For innovative online programs for research students, which support their research writing, enable genuine community peer learning and professional development, across disciplines and wide distances."* Cassily has helped many FOS HDR students with their writing, it is an award well deserved.

[Back to top](#)

Science for Regional Australia – Dr Alan Finkel in Orange

Of interest to both academics and students, is the free public lecture at Charles Sturt University (CSU) in Orange by Australia's Chief Scientist Dr Alan Finkel AO. The lecture is titled '**Science for Regional Australia in the Third Millennium**'.

Dr Finkel is a firm believer in the power of science and technology to help us create a better world. Join him at 6:00pm on *Monday 10 October 2016* for a glimpse of the opportunities on the science horizon, and a road-map for the journey ahead.



So what does the future hold for a nation accelerating down an unknown road, to an almost inconceivable horizon? For Dr Finkel, it's a truly boundless plain. The challenges may be immense, from a changing climate, to a growing population, to the transformation of the workplace by automation. And the opportunities are just as large for nations in the business of making solutions.

Light refreshments will be served following the lecture.

Venue / Address:

Lecture Theatre 3 (Room 120 Building 1004), Charles Sturt University (CSU), Leeds Parade, Orange

Please RSVP via <http://news.csu.edu.au/events/orange/explorations-series-orange-science-for-regional-australia-dr-alan-finkel> or email tsyphers@csu.edu.au. **Contact Phone:** 02 6365 7500

[Back to Top](#)

5 Minute Research Pitch for ECRs and MCRS

*Presentations
that
ROCK!*

The Five Minute Research Pitch is an opportunity for early and mid-career researchers to showcase their research to a national audience (and win \$1000 for your research funds!).

The competition is open to Level A, B and C academics, provided they have an employment contract (continuing or fixed-term) which is current as at 22 November 2017 (the date of the national finals).

CSU Heats: The CSU heats will be held the **week of the 24th of Oct**, with the venues and final dates to be confirmed. Researchers will be able to participate via videoconference if they are unable to attend the heats in person.

Heat one: Sciences and Health

- Biological Sciences and Biotechnology;
- Health and Medical Sciences;
- Engineering, Mathematics and Informatics; and
- Physics, Chemistry and Earth Sciences.

Heat two: Arts, Humanities and Social Sciences

- Humanities and Creative Arts;
- Education, Social and Behavioural Sciences;
- Law; and
- Business, Commerce and Economics.

Prizes: The winner of each CSU heat will receive \$1000 for their research fund account. The two winners will also travel to the Gold Coast to participate in the national finals, on the 22nd of November, where the overall winner receives \$3000.

For more information contact the FOS Research Liaison Officer – [Deborah Munns](#)

Science Forum – Remember to Register



Please be reminded to register for the Faculty of Science **Interaction & Influence Forum** on 1 – 2 December 2016 at Wagga Wagga campus.

The Faculty of Science (FoS) **Interaction and Influence Forum** will bring staff together to celebrate the achievements of our Faculty and to strengthen collegial relationships between all staff across our diverse team. Our aim is to positively influence scholarship in teaching and research and to facilitate conversations between like-minded staff committed to working together in a purposeful way to the benefit of the Faculty and CSU beyond the Forum.

Registration form: <https://goo.gl/forms/1nAkK7KCsQM11e4g1>

[Back to top](#)

Gayle Smythe - Returns to Work

Assoc Professor Gayle Smythe, the Associate Dean of Research for the Faculty of Science, has returned rested from long service leave. Gayle would like to thank **Dr Sandra Savocchia** for acting on her behalf while she was away. Sandra will continue in her role as Sub-Dean Graduate Studies while Gayle will resume her role as Associate Dean Research.

[Back to top](#)

Veterinary Scientists Set the Direction

Charles Sturt University (CSU) scientists are lending their expertise to a new national project to collect information about the health of dogs, cats and wildlife across Australia.



Known as Veterinary Companion Animal Surveillance System or VetCompass, the voluntary project will collect data on animal health from veterinary practices to allow further studies into the frequency and risk of disease in the Australian animal population.

VetCompass Australia has the support of Australia's six veterinary schools at Sydney, Adelaide, Melbourne, Queensland, Murdoch, Charles Sturt and James Cook Universities. These schools formed a consortium that succeeded in securing *Australian Research Council funding* to establish the program in 2016.

Professor Shane Raidal and Dr Martin Combs (pictured left) from the [School of Animal and Veterinary Sciences](#) at CSU in Wagga Wagga are two of the project's chief investigators.

Dr Combs said, "When pet owners take their dog or cat to the vet, we'd like them to ask their vet to opt-in to VetCompass.

"The clinical records of animals, such as gender, age, breed and health problems, are extracted from veterinary practices using the VetCompass software and collated in a central database for research.

"Each animal is given a unique code to allow researchers to follow an animal or treatment over time, but the animal owner and the pet cannot be identified. The only owner information collected is a postcode."

Professor Raidal hopes the system can be used to better understand disease patterns in wildlife,

"Injured or sick wild animal are often taken to local vets but the information on why they go to vets is often hard to collate.

"VetCompass provide an important way to aid the collection of information on what diseases are affecting native animals," Professor Raidal said.

[Back to top](#)

CSU Sustainability Research Grants



The grant program, now in its third year, for research-related projects consists of a funding pool of \$40,000 per annum to support all CSU research staff from any discipline. Applicants can apply for a maximum of **\$10,000 per project**.

CSU Sustainability Research Grant project funding is a competitive internal grants program. It is intended to support CSU staff from any discipline who have identified projects that either further the University's commitments towards sustainability, yet are not amenable to future internal or external grant applications, or those that will act as pilot studies and present a strong likelihood of converting into larger projects attracting additional internal and external grants, and publishable outcomes. All projects must align with the **CSU Research Narrative**.

The guidelines and application documents can be accessed from the CSU Green website at:

www.csu.edu.au/csugreen/grants

Any queries about the program should be directed to Nicola Smith, Coordinator Partnerships, CSU Green. The closing date for submissions to the program is **Thursday 13 October 2016**.

[Back to top](#)

Hijacked Journals and Fake Publishers

You may recognise the name of the journal, but has it been hijacked?



The publisher of a 'hijacked journal' appropriates the name and ISSN of an established journal, while a fake journal may use a unique name with a fabricated ISSN. Usually the publisher of a hijacked journals builds a website with a similar address the real journal's website. In some instances the publishers of hijacked journals have stolen the official domain of a real journal, used a similar domain name, or

created a website / electronic version of an established print only journal (Bohannon, 2015). Both hijacked and fake journals often display a counterfeit impact factor.

The first documented case of a hijacked journal was in August 2011, when the domain "sciencerecord.com" was registered (Jalalian & Dadkhah, 2015, p. 74). Of the 10 journals listed on the site, three of the journals were hijacked.

Beall's List of Predatory Publishers (Beall 2016) now includes 101 hijacked journals. In two separate incidents, hijackers even convinced Thompson Reuters to provide links to the fake websites of several hijacked journals (Jalalian & Dadkhah, 2015).

Open access journals often ask authors to pay a fee and the open access market was worth US \$250 million in 2014. So fake publishers may make a lot of money (Bohannon, 2015).

Tips to identify hijacked and fake journals:

- Unsolicited emails that require payment for publication of your article [legitimate open access journals may also have publication charges]
- Suspicious internet domain names
- Multidisciplinary journals soliciting articles in a wide range of subject areas, e.g. medicine, engineering.

If you are not sure about a journal you can check Beall's list of [Hijacked Journals](#), [Standalone Journals](#) and [List of Publishers](#), or the [Ulrichsweb Global Serials Directory](#). You should also check Wikipedia or conduct an internet search looking for information about the journal / publisher.

Check out the Library's Resource Guide on [Where to Publish](#) for more tips. You can also ask one of the [Faculty Liaison Librarians](#) for help.

[Back to top](#)

Mid-Career Researcher Workshops



The Research Office Professional Development Program has two remaining training workshops for Mid-Career Researchers. These workshops are designed for research active staff looking to take the next step in developing their research career. The workshops are being presented by Professorial research leaders within CSU with substantial experience in their topic area. The remaining workshops are as follows:

Tues 11th October – Prof Sharynne McLeod – “Balancing research capacity and excellence with professional engagement”

This session includes topics; how to integrate professional practice experience and contacts into developing a research agenda; types of research questions relevant to the professions, and; targeting funding opportunities.

Tues 18th October - Prof Lee Baumgartner – “Establishing and managing large international research projects in developing countries”

For more information: <http://www.csu.edu.au/research/professional-development/program-calendar>

[Back to top](#)

FOS Ethics – Plan for Summer Recess



The Faculty of Science Ethics Committee meets on the second Thursday of each month. The FOS-FHEC meeting and submission closing dates for the remainder of 2016 are displayed below. **Note: Submissions must be received by 5pm on the date of closing.**

The committee will be in recess during January 2017.

Additionally, as many of the committee members take holidays during late December and January there may be a delay in responses during this period.

[Back to top](#)

Submission Deadline	Meeting Date
Thursday 3 November	Thursday 10 November
Thursday 1 December	Thursday 8 December
	No January Meeting

Congratulations - Grant Recipients from SDHS

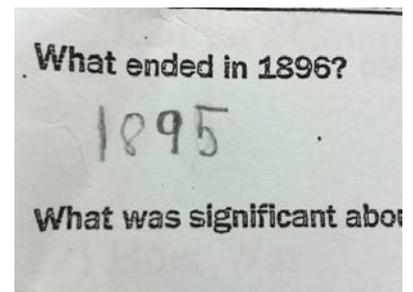
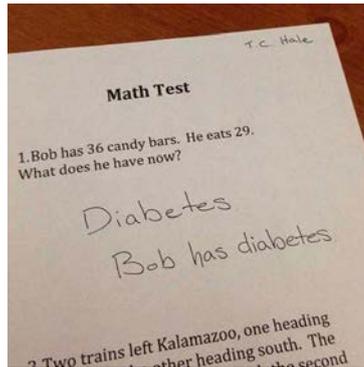
Congratulations to two teams from the School of Dentistry & Health Sciences who were recently successful in obtaining funding from NSW Health's *The Centre for Oral Health Strategy (COHS)*. Assoc Prof Alexandra Jones and Dr Peter Anderson received funding for the project '*What keeps rural teeth healthy?*'. Prof David Wilson and Dr Soorebettu (Ram) PRABHU received funding for their project '*Assessment of the health and dental status of patients attending CSU dental clinics.*'

[Back to top](#)

And finally in the lead up to exam time.....

Give a reason why people would want to live near power lines.

You get your electricity faster.



Next Issue: If you would like to contribute a story to the next issue please submit it to Deborah or Melanie by the **21st of October**. The next issue will be released in the first week of November.

Until next month.

Assoc Prof Gayle Smythe
Associate Dean Research
gsmythe@csu.edu.au

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

Deborah Munns
Research Liaison Officer
dmunns@csu.edu.au

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