

ANZMAG NEWS – September 2017

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Dear all,

Welcome to the ANZMAG e-newsletter for September 2017. I hope you enjoy the news this month. As per usual I'm happy to accept feedback and additions so please feel free to send suggestions, comments etc.

CONFERENCE CORNER

ANZMAG 2017: First up Don't forget to save the date of 2 - 7 December 2017 for the 2017 ANZMAG conference which will be held at Mantra on Salt Beach, Kingscliff, New South Wales. Please make sure to check out <http://www.anzmag2017.org/> for all the details.

DNP WORKSHOP: There will be a DNP-NMR workshop at the Bio21 institute in Melbourne on the 29th November, just prior ANZMAG2017. A preliminary program can be found at <https://www.dropbox.com/s/45t97ul9hbf1vx/DNP-NMR%20Workshop17.pdf?dl=0> Please contact Dr Marc-Antoine Sani (msani@unimelb.edu.au) with any queries and/or to RSVP.

Annual RACI R&D Topics: The Analytical and Environmental Chemistry Division of the RACI invites you to the 25th Annual RACI R&D Topics (3rd-6th December 2017) at The University of Tasmania. Please see <http://www.rndtopics.com/> for more information.

GRANTS

If feel like you need some funds to go to meetings, then there a few options. **The Metabolites Travel Award** for a PhD student will consist of 800 Swiss Francs to attend a conference in 2018. For the full details please see <http://www.mdpi.com/journal/metabolites/awards/193/view>

Campus Travel and Virgin Australia have launched a **Women in STEM** travel grant. You only have to write 500 words max and the grant itself it includes \$5,000 worth of airfares and \$1,000 for accommodation, transportation, tours or other travel arrangements. Please see <http://www.campustravel.com.au/about/initiatives/stem-travel-grant> for all the details.

If you're 18-35 (sadly I miss out by a few years) the **Science and Innovation Awards for Young People in Agriculture, Fisheries and Forestry** fund up to \$22,000 for projects on issues that will benefit Australia's primary industries, see more at (<http://www.agriculture.gov.au/abares/conferences-events/scienceawards>).

The first grant opportunities under the **Medical Research Future Fund (MRFF)** are now open for applications. They will be administered by the National Health and Medical Research Council (NHMRC) and are open until 4 October. There are two opportunities - The Antimicrobial Resistance Targeted Call for Research and Lifting Clinical Trials and Registries Capacity (LCTRC) Grant Opportunity. The bad news is you will have to use the RGMS system to apply (sorry). See <https://www.nhmrc.gov.au/grants-funding/apply-funding/medical-research-future-fund> for details.

No news on the ARC grant outcomes as yet I am afraid.

CHEMRXIV (Chemistry Archive)

The physicists have had one for ages, now Chemistry has its own preprint server. ChemRxiv, is open for business. Authors can submit their research findings and have those quickly posted on the web for sharing with colleagues, prior to formal peer review. There are no subscription fees for readers or submission charges for authors. See <https://chemrxiv.org/> for the details.

JOBS CORNER

Applications are invited for a **Scientific Officer in NMR Metabolomics** in the NMR Facility within the Faculty of Life Sciences and Medicine at King's College London. To see more about this job please see https://www.hirewire.co.uk/HE/1061247/MS_JobDetails.aspx?JobID=77246 or, for an informal discussion to find out more about the role please contact Prof Sasi Conte sasi.conte@kcl.ac.uk The deadline for applications is midnight on 6 October 2017. Thanks to Glenn King of UQ for sending this one in.

Speaking of UQ, up in sunny Queensland there are jobs available for a data scientist (<http://jobs.uq.edu.au/caw/en/job/501086/data-scientist>) a bioinformatician (<http://jobs.uq.edu.au/caw/en/job/501087/bioinformatician>) and a senior analytical chemist (<https://www.seek.com.au/job/34468735?type=standard&userqueryid=36fba557cf57dab2beb0632c5a937853-1736279>).

ESCHER: A WEB BASED BIOLOGICAL PATHWAY MAPPING TOOL

I came across this quite neat web tool this last week. Escher is a web-based tool for building, viewing, and sharing visualizations of biological pathways. Escher provides pathway suggestions based on user data and genome-scale models. There is also a great video at <https://escher.readthedocs.io/en/stable/> that shows you how to use the tool and more details can be found on the website at <https://escher.github.io/> for those that want to find out more.

PAPERS FROM THE WEB

We finish, with some interesting papers featuring different forms of magnetic resonance

- <http://www.nature.com/nchem/journal/v9/n6/full/nchem.2692.html#affil-auth> - Researchers from your editor's home town of Manchester recently used pulsed electron paramagnetic resonance spectroscopy to measure actinide covalency.
- <http://advances.sciencemag.org/content/3/9/e1602976> - This paper covers the use of NMR to show that carotenoids are the likely precursor of a significant fraction of marine dissolved organic matter.
- <http://advances.sciencemag.org/content/3/9/e1602976> - A story on the use of fMRI to New functions of hippocampus unveiled to bring insights to causes and treatments of brain diseases. See also <https://medicalxpress.com/news/2017-09-functions-hippocampus-unveiled-insights-treatments.html>