

## ANZMAG NEWS – September 2018

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Dear all,

Welcome to the ANZMAG e-newsletter for September 2018. I hope you enjoy the news this month.

### CONFERENCE CORNER

#### WSU NMR MRI & Diffusion Symposium / Workshop 8th – 9th November

The Western Sydney University Symposium is held biennially and showcases theoretical developments and cutting-edge applications of Magnetic Resonance Imaging (MRI) and Nuclear Magnetic Resonance (NMR) Diffusion measurements. The 8<sup>th</sup> WSU Symposium will be held from 9:00 am – 5:00pm, 8th -9th November 2018 at the Western Sydney University, Campbelltown campus, lecture theatre 5 (Ca21.G.03). It will include two workshops (by Magritek and Bruker) and the ANZMAG Annual General Meeting. Registration and program information is available through [https://www.westernsydney.edu.au/nanoscale/nanoscale\\_organisation\\_and\\_dynamics/symposium\\_on\\_mri\\_and\\_diffusion](https://www.westernsydney.edu.au/nanoscale/nanoscale_organisation_and_dynamics/symposium_on_mri_and_diffusion) Registration (regular \$150; student \$65) includes the evening networking dinner on the evening of the 8th November. Students are encouraged to submit a poster of their work, prizes for the best poster will be presented and four lucky students will be nominated to give a 5-minute oral presentation at the symposium.

**Annual RACI R&D Topics:** The Analytical and Environmental Chemistry Division of the RACI invites you to the 26<sup>th</sup> Annual RACI R&D Topics (2<sup>nd</sup>-5<sup>th</sup> December 2018) at The University of Canberra. Please see <http://www.rndtopics.com/> for more information. RACI R&D Topics conference is organised primarily by postgraduate students of the hosting university. It is focused on giving postgraduate students the opportunity to share their research with a national audience of students and academics.

As ever, please see [http://nmr900.ca/nmr\\_events.html](http://nmr900.ca/nmr_events.html) for a detailed list of MR related meetings

### IUPAC PERIODIC TABLE OF YOUNGER CHEMISTS

Today (1<sup>st</sup> Oct) is the deadline for nominations for Chromium, Beryllium, Vanadium, Niobium, Tantalum, Palladium, Cerium, and Osmium in the ongoing IUPAC Periodic Table of Younger Chemists. I think I have covered this one before so I won't write much more here but there are plenty more elements to go. For the criteria (essentially Chemists 40 and under) and to submit your nomination(s) please see <https://iupac.org/100/pt-of-chemist/>

### PUBLONS

After last month's story on the ACS reviewer training Prof Frances Frances Separovic kindly let me know about the Publons website at <https://publons.com/home/> which also has some training. Publons aims to store a record (anonymously if you wish of course) of every peer review you perform and every manuscript you handle as an editor, for any journal in the world. Prof Separovic only started submitting her reviews to them two years ago but is already a peer reviewer star (see <https://publons.com/author/1333611/frances-separovic#stats>)

## JOBS CORNER

Technical Officer – Chemical and Consulting Laboratory at UNSW see <http://external-careers.jobs.unsw.edu.au/cw/en/job/494855/technical-officer-chemical-and-consulting-laboratory-ccl>

PhD fellowship in bioanalytical technologies for natural products research (incl NMR) Department of Drug Design and Pharmacology, Faculty of Health and Medical Sciences (SUND), University of Copenhagen see <https://jobportal.ku.dk/alle-opslag/?show=148101>

Baylor University NMR facility director opening see <http://chemjobber.blogspot.com/2018/09/job-posting-nmr-facility-director.html>

## SWEET SUCCESS FOR NMR

An important story that has got the press buzzing (sorry) last month. I expect everybody has seen that NMR based metabolic profiling has been in the news regarding testing of honey (<http://www.abc.net.au/news/2018-09-03/capilano-and-supermarkets-accused-of-selling-fake-honey/10187628>). Tick one for NMR with a call to bring in NMR testing for Australian honey (<https://www.smh.com.au/business/consumer-affairs/new-purity-test-on-the-cards-amid-honey-adulteration-scandal-20180903-p501hc.html>). The NMR honey profiler systems is described here <https://www.theresonance.com/ensuring-your-honey-is-pure/> and there is The webinar on it at <https://event.on24.com/eventRegistration/EventLobbyServlet?target=reg20.jsp&referrer=&eventid=1389927&sessionid=1&key=4614D71CF98FED00129B68288855A74D&regTag=&sourcepage=register>

## GET INVOLVED IN THE WOMEN IN STEM DECADAL PLAN

At the request of the Australian Government, the Australian Academy of Science, with support from the Australian Academy of Technology and Engineering (ATSE), is developing a Women in STEM Decadal Plan. This plan will create a 10-year roadmap for enhancing the participation and retention of girls and women in the fields of science, technology, engineering and mathematics (STEM). Community forums will be held in all capital cities and you can register now to attend. An online forum will be held on 9 October. See <https://aas.eventsair.com/women-in-stem/> for more details

## STORIES FROM THE WEB

- <https://www.labmate-online.com/article/mass-spectrometry-and-spectroscopy/41/bruker-instruments-inc/using-electron-paramagnetic-resonance-epr-to-track-free-radicals-in-the-environment/2413> – An interesting study using EPR spectroscopy to measure free radicals in the environment.

<https://phys.org/news/2018-09-world-magnetic-field.amp?> - A group of scientists at the University of Tokyo has recorded the largest magnetic field ever generated indoors - a whopping 1,200 tesla! Read more here.

- <https://www.9news.com.au/2018/09/23/07/39/mri-machine-medicare-scott-morrison-politics-health-hospitals> - MRI in the news as a political rather than a research tool with the government putting \$175 million towards 30 new MRI licences across the country.