

ANZMAG NEWS - FEBRUARY 2020

By Professor Oliver A.H. Jones (RMIT University - oliver.jones@rmit.edu.au)

Dear all,

Welcome to the February 2020 edition of ANZMAG News. I hope you all enjoyed the long weekend and the current 4-day week!

SCIENTISTS IN THE NEWS

Congratulations to Professor Frances Separovic AO recently honoured by an special issue of the Australian Journal of Chemistry (**Vol 73 Numbers 2 & 3 2020**) which can be seen at <https://www.publish.csiro.au/ch#CurrentIssue> Thanks to all the contributors for their great articles.

Congratulations also to Professor Maria Forsyth (Deakin University) and Professor Ute Roesner (University of Melbourne) who were both inducted in the Victorian Honour Roll of women this year. You can search for their citations on <https://www.vic.gov.au/victorian-honour-roll-of-women>

JOBS

The NMRs at the School of Chemistry and School of Life and Environmental Sciences at USyd have recently joined the Sydney Analytical (SA) Core Research Facility. They are looking for a Biomolecular NMR staff scientist (HEO8, full time, 3 years) who can provide technical support for the NMRs and associated equipment See <https://tinyurl.com/s6er874> for more Applications close Sunday 15th March.

See also <https://www.nature.com/naturecareers/jobs/search?text=NMR&location=> for more NMR jobs around the world

AWARDS AND FELLOWSHIPS

The **2020 International Council on Magnetic Resonance in Biological Systems medal** is open for nominations. The awardee will be presented with the medal and US \$3000 at the upcoming ICMRBS meeting, to be held in Boston, USA, on August 23-28, <https://icmrbs2020.org/>. The awardee should be no more than 12 years post-Ph.D. (plus 1 year for each child) at the time of the ICMRBS meeting. See <http://www.icmrbs.org/founders-medal.html> for details.

The **Batterham Medal** is an early career award for a graduate engineer who has achieved substantial peer/industry recognition for their work in the past five years. The award consists of a medal and a cash prize of \$5000 sponsored by the Group of Eight Deans of Engineering and Associates. See <https://www.atse.org.au/programs-and-awards/batterham-medal/> for more.

The **ICM Agrifood Award** recognises and acknowledges the outstanding work of two early career scientists or technologists who have achieved substantial peer/industry recognition for their work in a field critical to continued improvement of the overall Australian food sector in the past five years. See <https://www.atse.org.au/programs-and-awards/icm-agrifood-awards/>

Those working in the Environmental field may be interested in the 2020 **SETAC awards**. See <https://australasia.setac.org/index.php/noticeboard/other-awards-and-prizes/> for the full list.

CONFERENCES 2020

The 29th meeting of the International Council on Magnetic Resonance in Biological Systems will be held in August 23-28, In Boston. The program features an impressive roster of plenary lecturers and invited speakers. See <http://icmrbs2020.org> for more details.

See http://nmr900.ca/nmr_events.html for a longer list of upcoming events.

NEW BOOKS

There are a few of new books out that I thought might be of interest.

- Electron Paramagnetic Resonance Spectroscopy: *Applications*, P. Bertrand, ed (Springer, 2020 - <https://www.springer.com/gp/book/9783030396671>)
- Electron Paramagnetic Resonance Spectroscopy: *Fundamentals*, P. Bertrand, ed (Springer, 2020 - <https://www.springer.com/gp/book/9783030396626>)
- The Physics of Polarized Targets, T. O. Niinikoski (Cambridge U. Press, 2020 - <https://www.cambridge.org/core/books/physics-of-polarized-targets/1FB5BECF519DD99E41377B075FAC12BA>)

PODCASTS

Although I couldn't find one on NMR or any other form of magnetic resonance, if anybody is into podcasts then The Antigen by Pfizer is really good. is an eight-part audio-documentary style podcast about the scientific, cultural, and political elements of vaccination.

ANNOUNCEMENT OF GRANTS—ARC LINKAGE PROJECTS SCHEME

The ARC recently announced the latest Linkage Projects list. You can see the list at <https://www.arc.gov.au/news-publications/media/network-messages/announcement-grants-arc-linkage-projects-scheme-March2020>

STORIES FROM THE WEB

- Here is an interesting story about using EPR spectroscopy to study a protein in its native environment
https://www.eurekalert.org/pub_releases/2020-02/rb-opi021020.php
- Can MRI scanner tell us about gut health? Well yes, it can (just) read more about this (and why you might want to do it at
<https://www.gutmicrobiotaforhealth.com/although-expensive-magnetic-resonance-imaging-is-a-safe-technique-for-studying-how-food-alters-gastrointestinal-intraluminal-content/>
- Should I put beer in the NMR? Is not something I have heard before. But ¹H NMR can be used to identify standard and premium American lagers
<https://www.news-medical.net/whitepaper/20200211/Identifying-American-Lagers-with-NMR-Spectroscopy.aspx>