

## ANZMAG NEWS - August 2023

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Dear all, Welcome to September 2023 edition of **ANZMAG News**. I hope you have all had a great month.

### ANZMAGers IN THE NEWS

Congratulations to **Prof Mary Garson (UQ)** who has been elected Vice President and President-elect of IUPAC for 2024-2025, assuming the Presidency for 2026-2027. When she becomes the 42<sup>nd</sup> President in January 2026, Professor Garson will be only the third woman and second Australian President (after Lloyd Rees 1969-1971) in the 104 year history of IUPAC. **Congratulations Mary!**

Congratulations also to Prof Frances Separovic who will become President of Division I (Physical and Biophysical) at IUPAC for the 2024-2025 biennium. **Congratulations Frances!**

Prof Separovic was also named the recipient of the Biophysical Society's 2024 Rosalba Kampman Distinguished Service Award. <https://www.biophysics.org/news-room/frances-separovic-to-receive-2024-rosalba-kampman-distinguished-service-award>

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### BOOK OF THE MONTH

I'd like to give a shout out to **Prof Bill Price** from Western Sydney University who is Editor of Academic Press's venerable Annual Reports on NMR Spectroscopy (<https://www.sciencedirect.com/bookseries/annual-reports-on-nmr-spectroscopy/vol/109/suppl/C>). In the latest Volume (109) Bill has brought together a huge variety of applications of magnetic resonance. As well as being a "straight review", with this book Bill aimed to encourage authors to synthesize things that people haven't noticed and explain things that are not widely understood. He feels this is increasingly important since now the NMR literature is so enormous that someone starting in the field will be relying more and more on reviews to enable them to get to the coal face in reasonable time.

As a bit of shameless self-promotion, chapter 2 of Vol 109 by myself and Dr Neil Robinson of UWA on 'Recent applications of benchtop NMR spectroscopy and relaxometry' was suggested by a completely independent, unbiased anonymous panel as being worth a look 😊.

Congratulations to Bill for bringing this new tome to the literature.

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### POSTGRADUATE COURSES AVAILABLE AT THE ANPC

The Australian National Phenome centre (ANPC) runs several postgrad courses that might be of interest to some. These include

- 1) Graduate Certificate in Systems Medicine (6 months) - course code C1152.
- 2) Master in Research (1.5 year) - course code M1262.
- 3) Master in Systems Medicine (2 year) - course code C1302.

The two-year course is particular suitable for those who wants to gain more extensive hands-on experience using the instruments available at the ANPC. Potential candidate can contact Dr Ruey Leng. [RueyLeng.Loo@murdoch.edu.au](mailto:RueyLeng.Loo@murdoch.edu.au) if they wish to discuss these postgraduate options.

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## AWARDS & GRANTS

- To recognise and celebrate the way our universities make Australia stronger, Universities Australia has launched the **Shaping Australia Awards**. See <https://www.shapingaustraliaawards.com.au> for details. **Applications Close** 20/11/23.
- The **LearnSci Teaching Innovation Awards** support and celebrate innovative STEM teaching practices. Although UK based you don't have to be in the UK to apply. I believe someone from UNSW won last year and I was a finalist. See <https://www.learnsci.com/community/teaching-innovation-awards> for more. **Applications Close** 13/11/23.
- The **Theo Murphy Initiative** provides grant funding to support career development opportunities for Australia's early- and mid-career researchers (EMCRs) in science, technology, engineering, and mathematics (STEM). There are three streams 'Flagship activities', 'Amplify activities' and 'Participation support' See <https://www.science.org.au/supporting-science/awards-and-opportunities/theo-murphy-initiative-australia> for more information.
- *NB: I know Academic are often wary of "bigging themselves up" so to speak, but awards and grants are a great way to make yourself stand out and look great on grant and promotion applications. Even if you don't win you learn something and you often get your CV seen by people and this can lead to other opportunities so it is well worth trying. Please also consider if you can tap a worthy colleague on the shoulder and/or help them apply. Especially candidates from minority and culturally diverse groups.*

## JOB

- The **University of Waikato** is looking for an Advanced Technical Officer in Analytical Chemistry <https://elhs.fa.ap1.oraclecloud.com/hcmUI/CandidateExperience/en/sites/CX/job/1000632/?mode=location> **Applications Close** on 10/10/23.
- The **ANU in Canberra** is advertising for a Lecturer/Senior Lecturer in Biological Chemistry. See <https://www.seek.com.au/job/70457152> **Applications Close** on 09/10/23.
- The **University of Sydney** is advertising various academic positions at the School of Biomedical Engineering. See <https://www.timeshighereducation.com/unijobs/listing/353400/academic-positions-school-of-biomedical-engineering/> **Applications Close** on 30/11/23.
- The next round of the **Forrest Research Foundation PhD Scholarships** for 2024. If you are aware of excellent potential PhD candidates who would like to undertake research in Western Australia, please forward them this link <https://www.forrestresearch.org.au/scholarship/> **Applications Close** 15/10/23.

## STORIES FROM THE WEB

- <https://www.eurekalert.org/news-releases/1001555> – A news alert showing how EPR Spectroscopy recently heled reveal twisting-untwisting-retwisting cycle of nanohelices.
- <https://www.news-medical.net/news/20230925/Deep-learning-revolutionizes-ultra-low-field-brain-MRI-for-quicker-clearer-scans.aspx> – This story describes a new study which uses Deep learning to improve ultra-low-field brain MRI for quicker, clearer scans.
- <https://www.miragenews.com/solid-state-nmr-reveals-fluoride-ion-channel-1090490/> – Find out how Solid-State NMR can reveal the mechanics of fluoride ion channels.