

ANZMAG NEWS – May 2019

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Dear all,

Where did the time go? Welcome to the May 2019 ANZMAG e-newsletter. This month we have the usual mix of magnetic resonance and science related items for you. As usual do feel free to send any news items you may have this way. It has been a quite time news wise this month but I hope you find something of interest below.

GRANTS AND AWARDS (mostly awards)

You would have received a separate e-mail about the **2019 ANZMAG medals**. Just a reminder that Nominations for the **2019 ANZMAG Medal** and the **Sir Paul Callaghan Medal** are now open with a closing date of 5 pm, Friday July 19, 2019. I hope many people will apply/nominate. Please see <https://www.dropbox.com/s/wp9dcr3929j2if6/Medal-instructions.pdf?dl=0> for all the details.

The UTS **Chancellor's Postdoctoral Research Fellowship Scheme** develops research, teaching and learning, management and communication skills to shape the next generation of leading academics at UTS. It seems to be a pretty good deal. See <https://www.uts.edu.au/research-and-teaching/our-research/research-opportunities/chancellors-postdoctoral-research-fellowships>

The **RACI national awards** are currently calling for applications. In 2019, they are offering 15 awards in the categories of academia, distinction, education, women in chemistry and young chemists. See <https://www.raci.org.au/events-awards/awards> and click the text for the links for each award.

Mendeley Funding is a tool I came across recently. You can use it to search for relevant funding, awards and prizes. See <https://www.mendeley.com/funding/> for more information and let's get some NMR projects funded.

BioNMR lab at Massey University

New Zealand members (and Australians too) may be interested to know about the **BioNMR lab** at Massey University in Palmerston North, New Zealand. The team there support Biomolecular structure (they have the highest field spectrometer in NZ: 700 MHz with cryoprobe), Diffusion and dynamics, metabolomics, natural products, organometallics, protein structure and solid-state NMR. Interested users to find our contact details: <http://www.massey.ac.nz/massey/learning/departments/centres-research/centre-for-structural-biology/facilities.cfm> Thank you to Dr Patrick Edwards (Technical Director of the facility) for sending this information in.

METABOANLYST

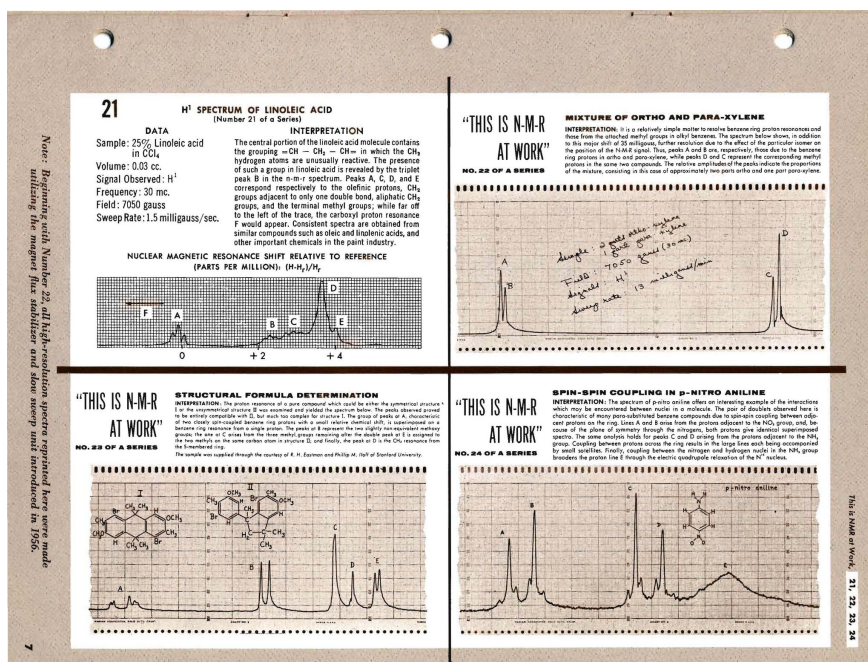
If you do NMR based metabolomics and not yet tried **MetaboAnalyst** can I recommend heading over to <https://www.metaboanalyst.ca/> and giving it a try. The sheer amount of stuff you can do really easily on this site is amazing. It is essentially a user-friendly, and easily accessible tool for analysing data arising from high-throughput metabolomics. It is well worth a look if you have not tried this already. I have to admit I only really realised what it could do when one of my students processed all their data on it and came up with some great graphs and charts.

JOBS

RMIT is currently advertising for an **Early Career Development Fellow** in any area of chemistry. This is a great chance for a keen early career person to get their foot on the academic ladder. Please see <http://internalcareer.rmit.edu.au/cai/en/job/572275/early-career-development-fellow-in-chemistry> if you wish to apply. Deadline is 10th June.

NMR HISTORY

I came across this one on the NIH Twitter feed. They state that Varian Associates published a booklet in 1959 which contained an image which showed how adding a magnetic flux stabilizer improved the spectra. I thought I would include the image here for interest. The original tweet is at <https://twitter.com/historyatnih/status/1131150028574142466> if interested. If you are on Twitter try a search for #nmrchat. It comes up with a lot of useful information.



STORIES FROM THE WEB

<https://www.sciencealert.com/traces-of-extraterrestrial-organic-matter-discovered-in-south-african-mountains>

An interesting story on the use of EPR spectroscopy, to show that 3.3 billion-year-old rock contained two types of insoluble organic matter, which hint at extraterrestrial origins.

<https://www.sciencedaily.com/releases/2019/05/190530101200.htm>

This story is about a new non-invasive cardiac functional MRI imaging tool for diagnosing heart disease.

<https://www.technologynetworks.com/analysis/articles/solving-challenges-of-automated-1d-and-2d-quantitative-nuclear-magnetic-resonance-qnmr-spectroscopy-319648>

An Interesting overview of using CRAFT to Solve Challenges of Automated 1D and 2D NMR.