

ANZMAG NEWS: MARCH 2022

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Dear all,

Welcome to the March 2022 edition of ANZMAG News

CALL FOR IMAGES FOR ANZMAG WEBSITE

The **ANZMAG website committee** are seeking images to add to the design of the new ANZMAG website. They are looking for images to include in banners, icons, menus and other website art. If any ANZMAG members have photos of new equipment from installations, interesting-looking data or spectra, or anything else that could be used to make the new site look slick and science then the team would be very happy to receive them. Images from the MRI and EPR fields are especially sought after. Please send images directly to Dr Vanessa Morris on vanessa.morris@canterbury.ac.nz

GRANTS AND AWARDS

The **Australian Academy of Science honorific awards** were established to recognise outstanding contributions to science at the early, mid and career level for many branches of Science. Most awards have recently opened for nomination. See <https://www.science.org.au/supporting-science/awards-and-opportunities?title=&status=All&type=2147> for the full list and award criteria. I am told it helps if an Academy Fellow nominates you for these awards

Nominations for the RACI Analytical and Environmental Chemistry Division Awards are https://raci.org.au/Web/Events--News/News/Articles/2020_GraemeBatleyMedal_ProfConorHogan.aspx Details of are available <https://www.raci.org.au/Web/Awards/Division-Awards/Analytical.aspx>

Applications for the **2022 Young Tall Poppy Awards** close on Tuesday 19th April (i.e. after the Easter weekend). Nomination forms can be accessed at <https://www.raci.org.au/Web/Awards/Division-Awards/Analytical.aspx>

Applications for the **Royal Society of Victoria Young Scientist Research Prizes** opened on 1st March and will close 31st May. See <https://rsv.org.au/awards-and-prizes/young-scientist-research-prizes/> for more details and please encourage your PhD students to apply.

A big shout out and thank you to **Prof Frances Separovic** who has set up the Separovic Family Travel Scholarships to support PhD students in science who are undertaking travel as part of their research project. Full details at <https://scholarships.unimelb.edu.au/awards/separovic-family-travel-scholarships>

MEETINGS

The 29th International Conference on Magnetic Resonance in Biological Systems (ICMRBS) will be in Boston, USA, on 21st - 25th August. **Abstract submissions close on April 22, 2022.** Early Bird registration deadline is 10th June. See <https://www.icmrbs2022.org> for all the details.

Don't forget that <https://www.ismar2023.org> will be held in Brisbane next year (see for more). ANZMAG is host of the conference. Note the dates: **20-25 August 2023.**

JOBS

- The ANU is looking for a **Research Associate in Protein Chemistry, Molecular Biology and NMR Structural Biology**. Closing date is 6th April. <https://www.timeshighereducation.com/unijobs/listing/284944/research-associate-in-protein-chemistry-molecular-biology-and-nmr-structural-biology/> for the job description.
- Monash University is looking for a **Research Fellow in Structural Biology**. Closing date is 14th April. See <https://careers.pageuppeople.com/513/cw/en/job/632967/research-fellow-in-structural-biology> for the full advert.

PAPER OF THE MONTH

March's paper of the month is "[Structure of *In Vitro*-Synthesized Cellulose Fibrils Viewed by Cryo-Electron Tomography and ¹³C Natural-Abundance Dynamic Nuclear Polarization Solid-State NMR](#)" by Deligey et al. The team characterized in vitro-synthesized cellulose fibers via cryo-electron tomography and dynamic nuclear polarization (DNP) solid-state NMR. DNP enabled measuring two-dimensional ¹³C–¹³C correlation spectra without isotope-labeling of the fibers. Very nice work. Incidentally *et al* is the most cited person of all time on Google Scholar. See <https://scholar.google.nl/citations?user=qGuYgMsAAAAJ&hl=en>

STORIES FROM THE WEB

- <https://cai.centre.uq.edu.au/facilities/epr>
There isn't much (any) EPR spectroscopy news around this month, so this link shows you what is available at the EPR facilities at UQ and how to access them.
- <https://www.news-medical.net/news/20220321/New-form-of-MRI-makes-cancerous-tissue-glow-in-medical-images.aspx>
This article describes how a new form of MRI makes cancerous tissue show up in colour in medical images. I thought it was a clever approach.
- <https://www.bruker.com/en/news-and-events/news/2022/leading-spanish-wine-testing-laboratory-announces-new-nmr-authen.html>
Did you know that a leading Spanish wine testing laboratory is now using NMR as part of its authentication service? If not read on.