

ANZMAG NEWS - March 2017

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Dear all,

Welcome to the March 2016 edition of the ANZMAG e-newsletter. I hope you enjoy the bulletin this month. As per usual, I'm happy to accept feedback and additions so please feel free to send suggestions, comments, ideas for stories etc. to me at the address above (hardly anybody ever does but I live in hope)

UPCOMING CONFERENCES

ISMAR 2017 is a top level magnetic resonance conference and will be held in Québec City, Canada, 23 - 28 July 2017. This meeting will be held jointly with the Rocky Mountain Conference on EPR. The deadline for abstract submission for oral presentations has been extended to March 31st, 2017 and for early registration has been extended to April 25th, 2017. See <https://www.weizmann.ac.il/ISMAR/welcome-ismar>

SMASH will be held September 17th-20th, in Baveno, Italy. The SMASH NMR conference was established in 1999 at a time when macromolecules were being seen to dominate the NMR spectroscopic field and today SMASH still champions the small molecule in the big NMR world. You can find out more at <http://www.smashnmr.org/> if you are interested.

Metabolomics 2017 in Brisbane is June 26th to 29th 2017. Metabolomics makes good use of NMR and the theme of this year's conference is of building bridges. There are numerous travel awards available (see <http://metabolomics2017.org/submission/awards> and http://www.mdpi.com/journal/metabolites/awards.pdf/1/112_2017_1_metabolitesAwards%202017.pdf and http://www.mdpi.com/journal/separations/awards.pdf/0/233_2017_1_Travel%20Award%20banner%20for%20Separations%20website-PDF.pdf for all the details. The conference website is at <http://metabolomics2017.org/> and there is now a great Facebook group at <https://www.facebook.com/Metabolomics2017/>

*Don't forget to save the date of 2 - 7 December 2017 for the **2017 ANZMAG conference** which will be held from Saturday 2nd - Wednesday 6, December 2017 at Mantra on Salt Beach, Kingscliff, New South Wales. Please make sure to check out <http://www.anzmag2017.org/> for more details.*

JOBS

In New Zealand, Callaghan Innovation (a government agency that helps businesses succeed through technology) has a position available for a NMR Facilities Coordinator in their Integrated Biotechnologies Group. If you would like to work in a stimulating, collaborative environment with a dedicated team of scientists, they would like to hear from you. This role would suit someone who is confident with NMR and is looking for a new challenge. See <https://vacancies.callaghaninnovation.govt.nz/jobdetails/ajid/aHDh7/NMR-Facilities-Operator,5842.html> for the details.

NMR jobs are also available in industry (at BASF - <https://basf.jobs/europe-rd/job/M%C3%BCnster-NMR-Specialist-%28mf%29-48165/338211301/>) as well as via postdoctoral fellowships in solid state NMR in Portugal (<https://uaonline.ua.pt/pub/detail.asp?c=49763&lq=pt>) and the University of Kentucky looking at human cancer metabolism (<http://jobs.sciencecareers.org/job/440983/nmr-post-doctoral-scholar/?>)

You can find a range of other NMR and MR jobs on sites such as <http://www.unijobs.com.au/> www.seek.com.au <http://www.nature.com/naturejobs/science/> <http://jobs.newscientist.com/> and www.jobs.ac.uk just search by keywords and/or location. See also <https://www.weizmann.ac.il/ISMAR/career-center>

WOMEN IN SCIENCE FELLOWSHIPS

The L'Oréal-UNESCO For Women in Science Australia & New Zealand Fellowships have been awarded each year since 2007 to outstanding early career female scientists. The initiative began in 1998 and since that time the L'Oréal Foundation and UNESCO (the United Nations Educational, Scientific and Cultural Organization) have strived to support and recognise accomplished women researchers, encourage more young women to enter the profession and to assist them as they progress their careers. Application for the L'Oréal-UNESCO For Women in Science Fellowships are now open at <https://www.forwomeninscience.com.au/>

NEW BOOK

A new book came across my Twitter feed this week. It is called "Applications of EPR and NMR Spectroscopy in Homogeneous Catalysis" and is by Evgenii Talsi and Konstantin Bryliakov. It is a little specialized towards homogeneous catalytic transformations, e.g. single-site olefin polymerizations but may be of interest. See <https://www.crcpress.com/Applications-of-EPR-and-NMR-Spectroscopy-in-Homogeneous-Catalysis/Talsi-Bryliakov/p/book/9781498742634> for more.

Modern Magnetic Resonance (Edited by Graham A. Webb) is a new Springer Link book where you can read all about Modern MRI for a range of applications. See <http://bit.ly/2mZNO5O>

MAGNETIC BLOGS

I came across this blog at the University of Ottawa for NMR users (and all others interested in NMR spectroscopy) recently. You can see it at <http://u-of-o-nmr-facility.blogspot.com.au/> - It is full of interesting information. I rather liked this post on the importance of mixing your samples - <http://u-of-o-nmr-facility.blogspot.com.au/2008/12/importance-of-mixing-your-nmr-samples.html> but there are many more.

There is also a nice educational blog by Nanalysis Corp at <http://www.nanalysis.com/nmready-blog/2017/2/28/electronegativity-acidity-and-chemical-shift>

New Zealand based Magritek also have a blog at <http://www.magritek.com/blog/> listed events and news and seminars (which you can stream if you missed them – very handy!)

If you know of any other Magnetic Resonance based blogs that you think are great and should be read by everybody then please send them to me and I will put them in the next edition of the newsletter.

STORIES FROM THE WEB

- <http://www.labnews.co.uk/features/special-bond-09-03-2017/> - a story on the USE of EPR to explore how metallic elements of the actinide series share electrons when forming bonds?
- <http://www.spectroscopynow.com/details/ezone/15ac86a9479/What-a-difference-a-state-makes-NMR-curiosity.html> - fast magic-angle spinning have revealed how molecular self-assembly processes can take different forms of supramolecular structures from solution to the solid state and back.
- <http://www.nature.com/news/quantum-microscope-offers-mri-for-molecules-1.21573> - Some of you may have seen the reports this week of a diamond-based imaging system or quantum MRI. See if you can spot the Aussie influence in this story.

If you have read all the way to the end, thank you. I thought you might like this picture of one way to use an old NMR - <https://twitter.com/cenmag/status/841817527126757377>