

## ANZMAG NEWS - November 2018

By Dr Oliver A.H. Jones (RMIT University - [oliver.jones@rmit.edu.au](mailto:oliver.jones@rmit.edu.au))

Dear all,

Welcome to the November ANZMAG e-newsletter.

### ARC GRANT OUTCOMES

After what I think turned out to be the biggest delay ever, the **ARC outcomes** came out last week. You can see all the ARC outcomes at <http://bit.ly/2fANm9P> just select a scheme round from the box at the top of the screen. A quick look shows a new NMR facility at UWA and a national Magnetic Particle Imaging facility at Monash University on the LIEF scheme as well as a number of DP grants. I won't list them all the latter here due to space restrictions but you can use the link above to find them. Congratulations to all those who were successful and commiserations to those that lost out.

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### ANZMAG 2012 Nov 25 - 28, 2019

The 12<sup>th</sup> Biennial Conference of the Australian and New Zealand Society for Magnetic Resonance (ANZMAG) will be held on **Nov 25 - 28, 2019** at the Bunker Bay Resort, Western Australia. Please save the date! The website is live and undergoing regular updates at [www.anzmag2019.com](http://www.anzmag2019.com) and the call for abstracts to open in March 2019 and close 14 August 2019.

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### 8<sup>TH</sup> ASIA-PACIFIC NMR CONFERENCE (APNMR) 2019

In 2019 APNMR will be held at Nanyang Technological University Singapore from 3<sup>rd</sup> July to 6<sup>th</sup> July 2019. APNMR aims to bring the Asian-Pacific NMR community together and promote international scientific exchange between the participating countries as well as with other countries world-wide. It is always a good meeting. Please see <https://www.apnmr2019.org/> for all the details.

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### MINI FSL COURSE IN DUNEDIN (NEW ZEALAND) 18 - 22 FEBRUARY 2019.

There is an intensive 5-day course taking place in New Zealand next year. It covers both the theory and practice of functional and structural brain image analysis. This course includes the majority of the material included in the standard FSL course, covering functional, structural, diffusion and resting state MRI analysis. More information about the Dunedin FSL Course, including the link for registration, is online at <http://fsl.fmrib.ox.ac.uk/fslcourse/dunedin2019.html>

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### 2019 BIOMELBOURNE NETWORK WOMEN IN LEADERSHIP AWARDS

The BioMelbourne Network Women in Leadership Awards were launched in 2015 to recognise and champion women, at different stages of their careers, who have made outstanding contributions to advancing the biotechnology, medical technology and pharmaceutical sector, and inspire more women to pursue leadership roles. The awards recognise women who work in or support the health industry – including biotechnology, medical technology, pharmaceuticals and digital healthcare. Nominations for 2019 are now open at <http://biomelbourne.org/women-in-leadership-awards/>

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## DNP REPORT FROM COPENHAGEN

Prof Philip Kuchel sent in a report from his visit to DTU Copenhagen. He is working with the inventors of rapid dissolution dynamic nuclear polarization (RD-DNP) which could be the “next best thing for metabolomics” as well as metabolism studies. You can find out all about the visit and the research from it online via the story at <http://www.hypermag.dtu.dk/news/nyhed?id=20957C6A-2EF5-4137-BB2A-81A5FBF223F5> if you are interested.

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## Homebuilt NMR

I came across this article (<https://limemicro.com/community/ultra-low-cost-limesdr-based-nmr-spectrometer/>) and accompanying paper (<http://www.enc-conference.org/portals/0/Abstracts2018/ENC20187816.9238VER.3.pdf>) this month. Both describe a homebuilt software defined radio (SDR) spectrometer for NMR. It is quite impressive.

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## INFORMATION REGARDING RESEARCH PUBLICATION POLICY PLAN S

You may have heard of Plan S. If not, earlier this year, a group of research funding agencies from various countries announced a policy for scientific publications, called “Plan S”. This is described at: <https://www.scienceeurope.org/coalition-s/> The main principle of this policy is contained in the following statement - “After 1 January 2020 scientific publications on the results from research funded by public grants provided by national and European research councils and funding bodies, must be published in compliant Open Access Journals or on compliant Open Access Platforms.” Concerns about possible negative effects of Plan S (of which there are many) are described in an Open Letter at: <https://sites.google.com/view/plansopenletter/home> -Please note that ANZMAG has not taken a position for or against Plan S. However, since it may affect the activities of many members, I think it is important to be aware of this issue.

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## STORIES FROM THE WEB

We finish, with our usual stories featuring different forms of magnetic resonance from the web

- <https://theconversation.com/human-ancestors-may-have-spread-to-north-africa-earlier-than-thought-stone-tool-discovery-suggests-107834>

An interesting story about the use of Electron Spin Resonance dating to look at the age of human tools.

- <https://www.drugtargetreview.com/news/37451/mri-contrast-medium/>

Can you get high-quality images in MRI with less contrast medium than current methods? Yes you can. Read more at this link

- <https://www.selectscience.net/product-news/jeol-integrates-craft-data-processing-with-new-delta-software-release-for-nuclear-magnetic-resonance-spectrometers/?artID=47704>

Here is an interesting development. JOEL put the CRAFT (Complete Reduction to Amplitude-Frequency Table) data processing technique into their NMR software.

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Until next time, have a great month. Please don't forget to send news items into me if you would like to see them in ANZMAG news.