

## CAB newsletter 29 November 2022

You are receiving this as a member of the Centre for Applied Bioinformatics (CAB)

**Not yet joined CAB?** Well if you are receiving this you already have joined, but if you know anyone who would like to join, then please forward this message and they can now sign up using a simple web form from the members page at <https://www.appliedbioinformatics.com.au/Members.php>

### News:

**2022 Annual General Meeting of the Australian Bioinformatics and Computational Biology Society Inc.**

Date: November 30, 2022

Time: 12:30pm-1:30pm AEDT

Virtual

link: <https://monash.zoom.us/j/83188183842?pwd=V016TEdWbEiYbIU0aFNITTdhQ0dKdz09>

**SBS HDR students are seeking a volunteer to provide a short workshop on Python/R** between the 8th and 10th of February 2023. Please contact [michael.taylor@research.uwa.edu.au](mailto:michael.taylor@research.uwa.edu.au) for details.

**Twitter addicts**, get your fix of the latest bioinformatics tweets at @UWABioinfo Promote your publications through CAB tweets! Please email any of your recent publications and we can promote through the CAB newsletter and twitter account [@UWABioinfo](https://twitter.com/UWABioinfo)

**Missed a previous newsletter?** Fear not, they are now all available online at: <https://www.appliedbioinformatics.com.au/Newsletters.php>

### Interesting papers:

**Title:** Intelligent Weed Management Based on Object Detection Neural Networks in Tomato Crops

**Summary:** AI applications to identify weeds in crops for targeted spraying

**Link:** <https://www.mdpi.com/2073-4395/12/12/2953>

Please send information on interesting papers that I can promote in the newsletter/CAB twitter feed.

## Conferences and Presentations:

**The 35th Australasian Joint Conference on AI that is to be held in Dec 5-8 in Perth.**

The link to the conference program and registration link can be found here:

<https://ajcai2022.org/>.

### ARDC Digital Research Skills Summit

When: 9 to 10 February 2023

Where: Sydney/Gadigal Country

### **Australian Biochats**

Our next BioChat will take place on Tue 6 Dec at 12 noon AEDT/ 11 am AEST. Join us for a session with Dr Ruvini Lelwala and Dr Roberto Barrero Gumiel, Queensland University of Technology and Dr Peri Tobias, Research Fellow, University of Sydney. Registr

here: [https://docs.google.com/document/d/1BdBYVCAdJ965dazCYS8kj6Hl76T7\\_P05wJBvKeOgPzo/edit](https://docs.google.com/document/d/1BdBYVCAdJ965dazCYS8kj6Hl76T7_P05wJBvKeOgPzo/edit)

**Towards effective, inclusive and scalable training in the life sciences.** Jason Williams, DNA Learning Center, Cold Spring Harbor Laboratory

06 Dec 2022, 3 - 4:30 pm AEDT. Register here: <https://www.eventbrite.com.au/e/towards-effective-inclusive-and-scalable-training-in-the-life-sciences-tickets-460699373227>

## Infrastructure:

### **Nimbus servers:**

Did you know that you can request Linux servers with up to 16 cores and 64 GB RAM through Pawsey? Users have full access to these machines and we have prepared an image that supports many standard bioinformatics tasks that can run on this scale of machine, please contact [Dave.Edwards@uwa.edu.au](mailto:Dave.Edwards@uwa.edu.au) for details.

## Training:

### **NCI Training:**

Software carpentry instructor training will take place on **5-8 Dec**. Check out our [Community Events Noticeboard](#) (<https://opus.nci.org.au/display/Help/Community+Events+Noticeboard>) for more information on the latest events across the digital skill training space.

### **ARDC Training**

Microscopy Australia is organising a free two-half-day masterclass on the use of high-performance computing (HPC) and virtual research environments (VREs, also referred to as virtual laboratories), available to the Australian research community for data processing and data analysis. **5/6**

**December.** See <https://ardc.edu.au/event/masterclass-high-performance-computing-and-virtual-research-environments-for-data-processing-and-analysis/>

**Bioconductor-organized Carpentries instructor training application.**

Become a certified Carpentries instructor and contribute to the global Bioconductor teaching community. Improve your skills, get community support and uplift your peers through great

training! See: [https://docs.google.com/forms/d/e/1FAIpQLSen6S6Zd0\\_gdvfXpSgZ-QSnlhTSkFF4VXBfQ11bt9nVsYr8qQ/viewform](https://docs.google.com/forms/d/e/1FAIpQLSen6S6Zd0_gdvfXpSgZ-QSnlhTSkFF4VXBfQ11bt9nVsYr8qQ/viewform)

## **PhD Scholarships wanted/available:**

Dao Ngoc Bac is a potential PhD student who has an excellent biomedical background and is very interested in doing a PhD at UWA which allows him to also learn and apply some AI and ML to a research problem. Please see his attached CV and contact him directly at [daongocbac2020@gmail.com](mailto:daongocbac2020@gmail.com).

## **Jobs:**

Three year bioinformatics postdoc position available at UWA to study the metagenomics of rock art microbiomes.

See <https://external.jobs.uwa.edu.au/cw/en/job/513041?|ApplicationSubSourceID=> for details

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