

CAB newsletter 20 June 2023

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:

CAB training is coming together. In addition to the microcredential in Applied Bioinformatics we have interest in the community for training in '**The basics of R**' as well as a '**Workshop on single cell RNA analysis**'. If you are interested in either of these, please contact dave.edwards@uwa.edu.au. Details and costs (minimal) will be finalised once we have an idea of numbers. For those interested in learning the basics of applied bioinformatics, we are planning to offer the **microcredential at a discount** for current UWA students and high school students, please contact dave.edwards@uwa.edu.au for more details.

ABACBS Outstanding PhD Thesis Award:

This award recognises outstanding PhD theses in bioinformatics and computational biology awarded during the past two years. Up to 2 awards will be given each year. Candidates for the award may self-nominate or be nominated by their supervisor. Only theses awarded within the two years prior to the award year will be considered. Candidates must have conducted their PhD at an Australian University.

To nominate

Please email a single PDF file containing your application documents to: awards@abacbs.org with "PhD Thesis Award Application" in the subject line of the email.

Closing date for submissions is 5pm AEST Friday July 21, 2023.

Application Documents:

A cover page (template provided)

A description of the thesis (1 page and <500 words)

A description of the candidates contribution to the thesis (1 page and <500 words)

Letter of support from PhD Supervisor, department head, or mentor (1 page and <500 words)

A lay summary of the thesis (100 words) and a lay summary of the contribution (100 words)

Thesis assessment documents received from examiners.

The examination response document outlining the candidates revisions in response to examination.

Eligibility

The notification of eligibility for award conferral must have been received within two calendar years prior to the closing date for nominations. Note, some universities

confer the award at a graduation ceremony. It is not necessary to have received the PhD in this way, but a letter from the University confirming the candidate is eligible to graduate with the degree is required in this case. This letter should have been received within 2 years of the closing date.

The PhD student applying for the award should be a member of ABACBS for at least the calendar year prior to the nomination closing date. If you are unsure about the status of your membership please contact the Awards committee at awards@abacbs.org to verify your eligibility using "Eligibility Query" as the subject of your email. Eligibility queries will be addressed up to one week before the closing date of the award, but not closer.

Conferences and Presentations:

EMBO workshop: Predicting evolution 11 – 14 July 2023, EMBL Heidelberg and Virtual. More details at <https://tinyurl.com/yc2mshh8>

Pawsey Supercomputing Research Centre **Metagenomics Hackathon EOI**. Tentatively set for week commencing August 14th 2023. Check <https://tinyurl.com/5f38rtce> for more details.

EMBO | EMBL Symposium: **The human microbiome**
20 – 23 September 2023, EMBL Heidelberg and Virtual
See <https://tinyurl.com/umxfzcyj> for more details

EMBL Symposium: **The non-coding genome**
11 – 14 October 2023, EMBL Heidelberg and Virtual
For more information, click: [The non-coding genome](#)

EMBL **Proteomics in cell biology and disease mechanisms**
25 – 27 October 2023, at EMBL Heidelberg and Virtual
See <https://tinyurl.com/24j4j2fk> for more details

Cold Spring Harbor Laboratory: **Plant Genomes, Systems Biology & Engineering**
November 29 - December 02, 2023
See <https://meetings.cshl.edu/meetings.aspx?meet=plants&year=23> for details

Australian Bioinformatics And Computational Biology Society (ABACBS) annual conference will be held 4 – 8 December in Brisbane, for the first time in collaboration with the International Society of Computational Biology. Save the date!

EMBO workshop: Computational structural biology, 6 – 9 December 2023, EMBL Heidelberg and Virtual. Details available at <https://tinyurl.com/ynm7s5wd>

Infrastructure:

How to apply for Nimbus servers:

Would you like some free Linux servers with up to 16 cores and 64 GB RAM through Pawsey? Dr Sarah Beecroft has helpfully provided a 'how to apply' video available at <https://www.youtube.com/watch?v=mpFQC5sXSHQ>. 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.

Training:

The next Agricultural Genome to Phenome Initiative training workshop, **“Enhancing Discoverability and Accessibility of UAV-Based Forage Phenotyping Hyperspectral Data on CyVerse: A Tutorial”**, will be held June 20, from 10 AM to 11 AM (CDT; UTC -5). In this workshop, Dr. Zhou Zhang will demonstrate how to publish agricultural geospatial data on the data sharing platform, CyVerse. You can access registration information for the workshop through the AG2PI website: <https://www.ag2pi.org/workshops-and-activities/workshop-2023-06-20/>. **A recording will be made available on this webpage soon after the conclusion of the event.** You do not need to register in order to access the recording – it will be publicly available.

Postdoc Fellowship:

Please contact dave.edwards@uwa.edu.au if you are advertising or seeking a postdoc in applied bioinformatics

Potential PhD student:

José graduated from the University of Queensland, with majors in biochemistry, molecular biology and biotechnology. He has been involved in sequencing-based applications for three years and developed a passion for the field of bioinformatics. He has experience of Python, R and Bash and also used HPC clusters. Please contact José at josedanielgj@hotmail.com for more details.

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