

CAB newsletter 31 March 2025

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:

Save the date - plans are progressing for a joint one-day Centre for Applied Bioinformatics/Pawsey workshop on 6Th June at the Pawsey Centre. With a range of speakers from across WA institutions, as well as Pawsey staff providing information on how to use their computer systems for applied bioinformatics, it is of interest for anyone with an interest in using computers in biology. Registration is free and will be announced soon. The Centre for Applied Bioinformatics is aligned with the UWA Master of Bioinformatics, and we continue to search for projects for students to undertake, so if you are interested in hosting one of these students, please let me know. Students may also contact you directly if your details are listed on the CAB membership page. Please see below for information on jobs, training, conferences and more. If you have anything you would like to include in the next newsletter, please email to dave.edwards@uwa.edu.au

Infrastructure:

Nimbus server update

Pawsey announced that they will decommission their Nimbus servers at the end of this year. A replacement is being planned and we will keep you updated. If you have specific questions around this, please contact Aditi Subramanya at Pawsey (aditi.subramanya@csiro.au). Pawsey are also offering a fast track access path to simplify the process for users to gain experience on their advanced supercomputer system. Further information is below.

- Pawsey Fast Track Scheme: <https://pawsey.atlassian.net/wiki/spaces/US/pages/184778753/Fast+Track+Access+Scheme>
- Nectar eligibility for Nimbus users: <https://support.ehelp.edu.au/support/solutions/articles/6000272127-nimbus-cloud-changes-information-for-users>
- UWA webinar, additional resources for researchers to access Pawsey: <https://www.dropbox.com/scl/fo/bhymsgdqq3yeeok0notgy/AEgp2yJlDtd8LHBE36abYCI?rlkey=bc3epltcuer32seipwz45mo7h&dl=0>

Jobs:

Bioinformatics Lead position at the Minderoo OceanOmics Centre at UWA is a Level 7 role focused on coordinating and overseeing bioinformatics tools, pipelines,

and workflows for environmental DNA and genomic sequencing data. Reporting to the OceanOmics Centre Lead, the position involves leading a technical team, developing and optimizing bioinformatics code, ensuring data quality control, implementing efficient data processing systems, managing data protocols, and overseeing submission of datasets to online repositories. The ideal candidate should have relevant tertiary qualifications, experience with bioinformatics tools and programming languages, familiarity with HPC environments, and excellent communication and organizational skills. Please contact shannon.corrigan@uwa.edu.au for more information.

Systems Neuroscientist and/or Bioinformatician for a 3yr Postdoctoral position to study the development and evolution of the mammalian brain at The University of Queensland. For further details: <https://shorturl.at/4Ct8t>

Research Fellow in Bioinformatics (UWA)

A three-year postdoctoral applied bioinformatics position is available in the Edwards group. For more information, please contact dave.edwards@uwa.edu.au

Training:

NCI Fundamentals of Regression in Machine Learning. 15 Apr 2025, register here: <https://shorturl.at/0NRLd>

NCI Introduction to Parallel Programming using Python. 16 Apr 2025, register here: <https://shorturl.at/484Qz>

Conferences and seminars:

Cancer Bioinformatics Australia (CBA) 2025. The CBA symposium is an excellent opportunity for researchers from all career stages to present their achievements in the fields of cancer bioinformatics. The program will feature selected oral and poster presentations, networking opportunities, and high-profile invited national and international speakers. More information is available at: <https://cancerbioinformatics.au/>

Australian Bioinformatics And Computational Biology Society presents two seminars that highlight the work of bioinformaticians across the spectrum of career stages, located in both urban and regional universities. Monday April 7th, 12pm-1pm AEST snPATHO-seq, a versatile FFPE single-nucleus RNA sequencing method to unlock pathology archives with Dr. Michael Roach followed by Spatial predictors of immunotherapy response in triple-negative breast cancer with Dr. Cicky Wang. Register here: <https://shorturl.at/qAmcH>

Calling all bioinformatics students:

COMBINE is the Australian computational biology and bioinformatics student society. Students can subscribe at <https://www.combine.org.au/> This year we are fortunate to have our own COMBINE WA representative, Jevin Parmar, based at the Harry

Perkins Institute. Jevin has been particularly active in developing local training supported by COMBINE CAB. For further information on COMBINE, please contact Jevin directly.

Projects for Masters student dissertations

The UWA Master of Bioinformatics continues to expand. We are always looking for new hosts for dissertation projects. Please email dave.edwards@uwa.edu.au if you would like to host a student for their bioinformatics Masters dissertation.

PhD Scholarships available

The UWA applied Bioinformatics group is seeking candidates. Projects are available in the areas of **crop genome bioinformatics** as well as the **application of machine learning for trait association**. Please contact dave.edwards@uwa.edu.au for details.