CAB newsletter 24 May 2024

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:

It has been a busy start to the year with the new intake of Master of Bioinformatics students and PhD students starting their training. Earlier this month we delivered our first R training session in together with Harry Perkins and COMBINE with 47 registrants. Given the popularity of this we plan to deliver additional training sessions later this year, watch this space for more information. There are an increasing number of national and international conferences and training sessions, further information is below along with bioinformatics job ads, PhD scholarships and an update on the Nimbus infrastructure change. If you would like to advertise any jobs, scholarships or spread bioinformatics news, please get in touch.

Conferences and Training:

ABACBS seminar series
Monday May 27th, 12pm-1pm AEST
Stephanie Portelli: Investigating the use of Protein Structural Information to Understand and Predict Disease
Phil Hugenholtz: The Genome Taxonomy Database in 2024; challenges and opportunities
Information, registration and zoom link here: https://tinyurl.com/2ddneu3w

WA data science innovation hub is hosting TechRevive
Thu, 30 May 2024 5:00 PM - 7:00 PM AWST
TechRevive is specially crafted to empower women aiming to re-enter the tech workforce or make a dynamic shift into the sector. More details and registration here: https://tinyurl.com/zzyd2nva

Annual Graduate School in Mathematical Aspects of Data Science
Darwin Australia from 24 Mon Jun 2024 to 28 Fri Jun 2024
More information: https://tinyurl.com/49wzbjw6

Cancer Bioinformatics Australia conference
Tuesday June 25th, 2024, at the Peter MacCallum Cancer Centre, Melbourne
Please see: https://cancerbioinformatics.au/

UWA data institute conference AI for Humanity
Friday 14th July. Program and reservation here:
https://uwadatainstitute.org.au/conference-2024/

Pawsey two-day Visualisation Conference

The week of July 22, 2024
More information here: https://pawsey.org.au/events/

Metagenomics Summer (Spring) School
University of Auckland, City Campus, Auckland, from September 3 to 6, 2024
Register here for more information: https://tinyurl.com/254btp8m

EMBL Symposium: Reconstructing the human past: using ancient and modern genomics.
17 – 20 September 2024, EMBL Heidelberg and Virtual
Information available here: http://tinyurl.com/mr3pj73a

3rd International Wheat Congress comes to Perth
22-27 September 2024
More information: https://www.iwc2024.com

Australasian Genomic Technologies Association Annual Conference AGTA
Cairns, Oct 13-16 2024
More information: https://agta.arinex.one/

Asia Pacific Bioinformatics Joint Conference (APBJC) 2024
Okinawa Japan, 22-25 October
More information: https://www.apbjc.asia/

EMBO Practical Course: Metabolite and species dynamics in microbial communities
13 – 18 October 2024, EMBL Heidelberg and Bangalore Life Science Cluster
More information here: https://tinyurl.com/37m6tm7x

Plant webinars and tutorials available from EBI
The plant webinar series and a few useful online tutorials are now in an open access curated collection - https://www.ebi.ac.uk/training/online/courses/data-driven-plant-sciences/

Student and ECR Travel grant
To support on-going UWA research on topics related to data science, machine learning and artificial intelligence research (in any domain), the UWA Data Institute has a Travel Grant Program. This program offers UWA Higher Degree Research Students and Early Career Researchers (who were awarded their PhD less than 3 years ago) the opportunity to apply for up to $2,000 to support travel associated with them presenting a talk, paper or poster at a high calibre conference. Direct any queries to uwadatainstitute@uwa.edu.au

Infrastructure:

Nimbus server update
Pawsey made a recent announcement that they will decommission their Nimbus servers at the end of this year. We are working with Pawsey and UWA to seek alternatives for this valuable resource. If you have specific questions around this, please contact Aditi Subramanya at Pawsey (aditi.subramanya@csiro.au).

Have you always wanted access to Pawsey Setonix HPC?

But didn't know where to start? I have experience of assessing both NCMAS and Pawsey partner scheme applications. If you would like help with your application or advice on which to apply for, please contact dave.edwards@uwa.edu.au

Jobs:

Research Fellow in Bioinformatics (UWA)
A three-year level B appointment Applied Bioinformatics position is available in the Edwards group. For more information, see here: https://tinyurl.com/3b3dt8v4

Postdoctoral Research Scientist
Earlham Institute, based in Norwich, UK
Applications are open for a Postdoctoral Researcher to join us as part of the European project - "Next Generation Tools for Genome-Centric Multimodal Data Integration in Personalised Cardiovascular Medicine". The role will undertake computational analysis of the functional implications of variation within noncoding functional sequences in relation to cardiovascular disorders.
More information: https://tinyurl.com/ym59xvjp

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, who led the recent R training session so is already making an impact on WA Bioinformatics.

PhD Scholarships available

The UWA applied Bioinformatics group is seeking candidates for PhD project to 'Develop and apply integrated large language models (LLMs) for crop data.'. Projects are also 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.