

CAB newsletter 29th June 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:

Are you a researcher who is struggling with data analysis and wants some feedback/support/collaboration? Do you want to promote your research and get experience of talking in front of a friendly audience? We are planning the next series of CAB talks and looking for students/postdocs who have a bioinformatics challenge in their research to come along and give a 15 minute presentation to get feedback and support from the friendly CAB community. Please contact Dave.Edwards@uwa.edu.au

Do you have a project suitable for a Masters student? We are collating potential projects/supervisors for the Master of Bioinformatics students. If you are interested in hosting a student, please contact Dave.Edwards@uwa.edu.au

UWA is planning to launch two Microcredentials in applied bioinformatics in January 2023. Each microcredential is split into 6 modules teaching some aspect of bioinformatics. Each module consists of one recorded lecture (30-45 mins) and one small practical task that can be undertaken without direct supervision by following written instructions. We are looking for individuals who would like to contribute a module to support training in your area of interest. If you are interested in contributing to a module, please contact Dave.Edwards@uwa.edu.au

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>

Twitter addicts, get your fix of the latest bioinformatics tweets at [@UWABioinfo](https://twitter.com/UWABioinfo)

Publication highlights:

This is a section where members can suggest papers from their own group or elsewhere that they want to promote to centre members. They take the simple format of a title, download and short summary. **Please forward any papers you would like to highlight to me for inclusion in future newsletters.**

Title: Graph pangenomes find missing heritability

Download: <https://www.nature.com/articles/s41588-022-01099-8>

Summary: Graph pangenomes outperform single reference genomes for association analysis

Title: Evaluating plant gene models using machine Learning

Download: <https://www.mdpi.com/2223-7747/11/12/1619>

summary: Using gene conservation and machine learning to identify candidate mis annotation in genomes

Talks:

If you are interested in hearing about talks from the Cancer Research Cluster, please contact Zhaoyu Li at zhaoyu.li@uwa.edu.au to join the mail group.

Training:

New NCI training stream, **AI/ML Applications on Gadi**, kicks off in July! In these sessions, we will be looking into cutting-edge AI technology in disciplines such as astronomy, computational biology and materials science. Our session on computational biology will be presented in person in Canberra on 15 July 2022 and is [open for registration here](#), and our session on astronomy will be delivered in person in Melbourne on 26 July 2022 and is [open for registration here](#).

Conference:

The **UWA Data Institute's Conference** is on 21 July. This is the link to the program and registration. <https://www.uwadatainstitute.org.au/conference>. Registration is \$55 for the day and there are still a couple of cheap (\$11) tickets available to UWA students.