

CAB newsletter 15 March 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:

UWA Bioinformatics microcredential goes live!

Want to learn more about bioinformatics? We have just released the first applied bioinformatics microcredential at UWA. This unit starts from the basics of how to log onto a server and use command line tools, followed by modules detailing genomics, data management, genome assembly, variant calling, phylogenetics and an introduction to high performance computing at Pawsey. Information and how to register is here: <https://www.uwa.edu.au/study/Courses-and-Careers/short-courses/UWA-Plus/Micro-credential-Introduction-to-Applied-Bioinformatics-I>

A second more advanced unit is in preparation and together they contribute a unit towards the UWA Master of Bioinformatics for those who want to take their careers further.

The **Australian Bioinformatics and Computational Biology Society** are seeking EOIs for the PostDoc subcommittee. If you would like to be formally part of this subcommittee please email postdocs@abacbs.org with your details, ideally before April 4th, 2023.

COMBINE are organising an online bioinformatics journal club. The first meeting is on Friday March 17th, 4:30-5:30 AEDT. Please register your interest here: https://docs.google.com/forms/d/e/1FAIpQLScC7zMzfWX8n2pJKLYIHK2UD-JYt7kr1Rz3RMrrZ_I2Gr8u_w/viewform

WA Data science and innovation hub are celebrating Data Science & AI Week 6 - 12 May 2023. Host a data science and AI activity such as a workshop, discussion, panel, training, networking opportunity. Present your Eoi here: <https://datascienceweek.org/register/>

A huge welcome to **David Martino** who joins the CAB executive to extend links with activities at TKI.

Interesting papers:

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

Conferences and Presentations:

EMBL-EBI are running a **webinar series about plants from a data science perspective**. This series will comprise a wide range of topics from exploring genomes, genotype-phenotype studies, phylogenetics, spatial gene expression, plant breeding, microbial ecosystem to mathematical modelling, machine learning, and data management in agriculture and plant sciences. These webinars will start on Wednesday 1 March and run until 10 May 2023. Here is the link to look at all the webinars from this series - [Plants: a data sciences perspective](#)

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

NCI are co-organising the **Australasian Leadership Computing Symposium** once again in 2023. ALCS will be a unique interdisciplinary gathering for our computational science community in Canberra on 14-16 June. For more information, click: [Australasian Leadership Computing Symposium](#)

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

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

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:

COMBINE - **Get Started in Bioinformatics Workshop**

23 March 2023, 1:00-5:00pm at Flinders University at Victoria Square, 182 Victoria Square Adelaide, SA 5000

Register here: <https://www.eventbrite.com.au/e/get-started-in-bioinformatics-adelaide-tickets-535662720617>

Cold Spring Harbor Laboratory: **Advanced Bacterial Genetics**

June 6 - 25, 2023

See <https://meetings.cshl.edu/index.aspx> for details

EMBO Practical Course:

Quantitative proteomics: strategies and tools to probe biology

11 – 16 June 2023, EMBL Heidelberg

EMBL Course:

Deep learning for image analysis

5 – 9 June 2023, EMBL Heidelberg

Professor Dave Edwards
Director UWA Centre for Applied Bioinformatics
School of Biological Sciences
University of Western Australia
Perth, 6009
Australia

www.appliedbioinformatics.com.au

Dave.Edwards@uwa.edu.au

Mobile: [+61 \(0\)423 826 042](tel:+6189423826042)