# Thematic Session 3 - Data-driven and computational approaches

The third thematic meeting will be on Monday 24th of April 2023 in the Dalhousie Building (room 1F06) at the University of Dundee. Supervisors are not required to attend but are welcome. Please aim to arrive between 10.15am and 10.30am.

The schedule for the day is as follows:

10.15am: Arrival and registration (coffee and snacks)

10.30am - 12pm: Omero Figure (microscopy) tutorial by Dr Petr Walczysko

12pm-1pm: Lunch

1pm-2:30 pm: RNA-seq and 3D RNAseq App workshop by Dr Wenbin Guo

2:30pm-3pm: Coffee break

3pm-4.30pm: Workshop on PyMol (visualising protein structure) by Dr. David Zollman

4.30pm-5pm: Drinks/pub

We expect all three workshops to include hands-on sessions so please bring your laptops. The speakers have recommended the following software to have installed on your computers to save time on the day:

- PyMOL (https://pymol.org/2/#download). When you install it will ask for a license, but it should come with a free 30-day trial (even after the 30 days the software still tends to work and doesn’t charge). The workshop will focus on this version of pymol (pymol 2), though almost everything will apply to the free version of pymol (1); the free one is just a little less user friendly and is a bit rough around the edges. This will be explained on the day.

- Optional: Fiji and the OMERO plugin for Fiji. There may not be enough time to show the OMERO – Fiji connection, but some participants might be interested in this workflow out of experience.

3D RNAseq App is web-based so no installation required.

We have booked spaces in Innis & Gunn Taproom pub at 10 South Tay St, Dundee, DD1 1PA which should be about a 6-minute walk away from Dalhousie. Just a reminder – do bring an ID if you plan to drink alcohol. Everyone is welcome to come but please note the pub costs are not covered.

The attendance is in-person only but do let us know if you are unable to attend.

If you have any dietary requirements please write to Shreya 2398415@dundee.ac.uk