

Lecture 1: Introduction to the Transcriptome

BIOINF3005/7160: Transcriptomics Applications

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Welcome

Course Outline



Welcome to the University of Adelaide

- The start of any academic year is an exciting time - but it can also be challenging for our students, for many reasons
- For some of our students, this year is especially challenging
- That's because many of our students who wanted to be here to study can't be here - because of COVID-19 and the travel restrictions to Australia
- This is not a situation that those students - or any of us in this room today - have any direct control over
- We may have some students watching this very lecture from overseas



Welcome to the University of Adelaide

- Before the lecture begins, there are some points worth making so that everyone understands what the current situation is here at the University of Adelaide
- We have a diverse, inclusive, and welcoming community at our University, which is something we're very proud of
- In times of difficulty, that community is more important than ever.
- This is a time when our community comes together as a whole so we can care for and support each other together
- It's particularly important for those who may be going through a more difficult time than otherwise.
- We must be respectful of other people - and that includes the many students who couldn't join us in the room today



Course Timetable

- Lectures:
 - Monday 9:10am - 10:00am, Room B18, Ingkarni Wardli
- Practicals:
 - Wednesday 9:10am - 11:00am, Room 111, Johnson Building
 - Friday 9:10am - 11:00am, Room 111, Johnson Building

Course Outline

- Discussion of underlying biology
- Technical approaches utilised in transcriptomic analysis
- Lots of statistical and computational approaches
- Practicals will be entirely computational
 - Focussed on working in R with some bash



Assessment

- Continuous Assessment (*i.e. no exam*)
- 6 assignments (+ Major Project for Bioinf7160)
- Assessment is strongly focussed on practical material
- Attendance at practicals is not compulsory, but is **strongly advised**



