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Are you (or your student) new to molecular lab work? Could you or they benefit from an introduction to operating in a genetics lab?

The ANU EcoGenomics Lab (EBL) is offering a 3 day basic introduction course to molecular lab fundamentals for new Hons & PhD students without a strong genetics/ molecular undergrad or background. The course is **3 full days, April 30 – May 02**, no charge.

Note: This intro is NOT designed for those students who are doing a predominantly molecular project and have had molec / genetics lab training at undergrad level, but rather students who have a more ecological /morphological background and are either new to genetics or who have a small genetic component to their project.

Schedule will be as follows:

Day 1.

Introduction to lab operations

- PPE (Personal protective equipment)
- Molarity and how to make a chemical solution
- Good pipetting practice.
- Intro to agarose gels

DNA Extraction Method 1: Silica column based kit

Day 2:

DNA Extraction Method 2: Phenol / Chloroform

DNA Quantitation

- Qubit fluorometer
- Nanodrop spectrophotometer

Day 3:

PCR Amplification: Master Mixes, enzymes, reactions generally.

Run agarose gels:

- Of both DNA extractions and PCRs