

Node	Drop-in Q & A sessions	Workshops
Vibrational Spectroscopy	Fridays 2 - 3 pm	Thursdays 2 - 3 pm
Magnetic Resonance	Thursdays 3 - 4 pm	Tuesdays 3 - 4 pm
X-Ray	Thursdays 11 - 12 am	Varying days and times, scroll down for more information
Drug Discovery	Arrange by email	Tuesdays 2 - 3 pm
Cutting and Polishing	Arrange by email	One event - 8th of October, Thursday 11- 12 am

*Lockdown learning sessions are held over the period of the 14th of September, to the 5th of November

* No workshops or drop-in sessions held on the 30th of September or the 1st of October

Vibrational Spectroscopy

Zoom link for Workshops and Drop-In sessions - joonsup.lee@sydney.edu.au

Thursday Workshops	Friday Drop-In sessions
16/09/2021 2 - 3 PM Opus Software - Data Analysis Techniques	17/09/2021 2 - 3 PM
23/09/2021 2 - 3 PM Wire Software - Data Analysis Techniques	24/09/2021 2 - 3 PM
30/09/2021 (No drop-in session this week)	01/10/2021 (No drop-in session this week)
07/10/2021 2 - 3 PM Spero & Bioanalyser + Hyperspectral Imaging	08/10/2021 2 - 3 PM
14/10/2021 2 - 3 PM AFM Theory & Experimental Demo	15/10/2021 2 - 3 PM
21/10/2021 2 - 3 PM Infrared Reflectography	22/10/2021 2 - 3 PM
28/10/2021 2 - 3 PM Introduction to AFM-FTIR	29/10/2021 2 - 3 PM

Magnetic Resonance

Zoom link for Workshops and Drop-In sessions - ian.luck@sydney.edu.au

Tuesday Workshops	Thursday Drop-In sessions
14/09/2021 3 - 4 PM NMR Primer	16/09/2021 3 - 4 PM
21/09/2021 3 - 4 PM NMR in drug discovery	23/09/2021 3 - 4 PM
28/09/2021 3 - 4 PM NMR toolbox: Data processing	30/09/2021 (No drop-in session)
05/10/2021 3 - 4 PM NMR t/b: Water suppression techniques. Which, when and why.	07/10/2021 3 - 4 PM
12/10/2021 3 - 4 PM NMR t/b: Experiments for small molecule characterisation	14/10/2021 3 - 4 PM
19/10/2021 3 - 4 PM NMR toolbox: Experiments for resonance assignment of proteins	21/10/2021 3 - 4 PM
26/10/2021 3 - 4 PM EPR Primer	28/10/2021 3 - 4 PM

X-Ray

Zoom link for Workshops and Drop-In sessions - william.lewis@sydney.edu.au

SCXRD Friday workshops

17/09/2021 3 - 4 PM Lecture: Introduction to small molecule X-ray diffraction

24/09/2021 3 - 4 PM Lecture: Small molecule single crystal diffraction – Symmetry and Data collection strategies

08/10/2021 3 - 4 PM Lecture: Small molecule single crystal diffraction – Data reduction

15/10/2021 3 - 4:30 PM Workshop: Small molecule single crystal diffraction – simple structure solution and refinement

22/10/2021 3 - 4 PM Lecture: Small molecule single crystal diffraction - Twinning

29/10/2021 3 - 4:30 PM Workshop: Small molecule single crystal diffraction – disorder modelling

05/11/2021 3 - 4:30 PM Workshop: Small molecule single crystal diffraction – structure finalisation

XPS Friday Workshop

15/10/2021 10:00 - 11:00 AM X-ray Photoelectron Spectroscopy (Short Overview) and Q & A

XRF Thursday Workshop

23/09/2021 12:00-1:00 PM X-ray Fluorescence Spectroscopy (Short Overview) and Q& A

SAXS Wednesday Workshop

***Anyone doing these tutorials should download SASView version 4 from sasview.org"**

15/09/2021 2 - 3 PM SAXS: introduction to scattering – an overview of basic experiments, what information can be measured, and what systems can be studied

22/09/2021 2 - 3 PM Lecture: SAXS model independent data fitting

22/09/2021 3 - 5 PM Tutorial: SAXS model independent data fitting in SASView

29/09/2021 2 - 3 PM Lecture: SAXS model dependent data fitting

29/09/2021 3 - 5 PM Tutorial: SAXS model dependent data fitting in SASView

X-Ray Powder Diffraction Tuesday Workshops

21/09/2021 3 - 4 PM Lecture: Fundamentals of Powder Diffraction

28/09/2021 3 - 4 PM Tutorial: Phase identification – search/matching software demo

05/10/2021 3 - 4 PM Lecture: Principles of Rietveld refinement

12/10/2021 3 - 4 PM Tutorial: Rietveld refinement in GSAS-II

19/10/2021 3 - 4 PM Lecture: Advanced powder diffraction techniques

26/10/2021 3 - 4 PM Tutorial: Sequential refinement in GSAS-II

X-Ray Drop-In sessions

Thursday 16/09/2021 11 - 12 AM

Thursday 14/10/2021 11 - 12 AM

Thursday 23/09/2021 11 - 12 AM

Thursday 21/10/2021 11 - 12 AM

Thursday 07/10/2021 11 - 12 AM

Thursday 28/10/2021 11 - 12 AM

Drug Discovery

Zoom link for Workshops and Drop-In sessions - toby.passioura@sydney.edu.au

Tuesday Workshops

14/09/2021 2 - 3 PM Cyclic Peptide Display Screening for Drug Discovery

21/09/2021 2 - 3 PM Fragment-Based Drug Discovery

28/09/2021 2 - 3 PM Biomolecular Interaction Analysis

05/10/2021 2 - 3 PM Bacterial and Mammalian Expression

12/10/2021 2 - 3 PM Insect Cell Expression

19/10/2021 2 - 3 PM Protein Purification and Characterisation Techniques

26/10/2021 2 - 3 PM Protein/Macromolecular X-Ray Crystallography

Email toby.passioura@sydney.edu.au to organise a Drop In session

Cutting & Polishing – Workshop

Zoom link - sarah.kelloway@sydney.edu.au

08/10/2021 11 - 12 AM Sample preparation at Cutting and Polishing, Sydney Analytical: An overview of facilities and a Q & A

To organise a Drop-In session, please email sarah.kelloway@sydney.edu.au