



UCD Conway Institute of Biomolecular & Biomedical Research
Graduate Modules 2025/2026
CNWY40160: Applied Proteomics

Date & Time	Session & Topic	Coordinator
Tuesday 29 April 2025 Conway Seminar Room 2 (G028) 10.00 – 11.00 11.00 – 12.00	Protein Biochemistry Refresher L1: Proteomics in Biological Research L2: Protein Biochemistry Refresher	Prof. Matthias Wilm
Tuesday 29 April 2025 Conway Seminar Room 2 (G028) 14.00 – 15.00 15.00 – 16.00	Protein Analysis Techniques L1: Mass Spectrometry Centered Techniques for Protein Analysis L2: Fundamentals of mass spectrometry; Ionization methods and instrumentation for protein and peptide analysis by MS	Prof. Matthias Wilm
Thursday 01 May 2025 Conway Seminar Room 2 (G028) 10.00 – 11.00 11.00 – 12.00	Mass spectrometry (MS) techniques I L1: Protein Identification by Mass Spectrometric Techniques L2: Analysing Intact Proteins and Protein Complexes by Mass Spectrometry	Prof. Matthias Wilm
Thursday 01 May 2025 Conway Seminar Room 2 (G028) 14:00 - 15:00	L3: Shotgun proteomics of industrial microorganisms	Dr. Tanja Narancic
Friday 02 May 2025 Conway Lecture Theatre 10.00 – 11.00 11.00 – 12.00	Mass spectrometry (MS) techniques II L1: Quantitative Proteomics I L2: Quantitative Proteomics II	Prof. Matthias Wilm



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Tuesday 06 May 2025 Conway Seminar Room 2 (G028) 10.00 – 11.00 11.00 – 12.00	Proteomics in Biological Research L1: Targeted Proteomics L2: The Human Proteome	Prof. Matthias Wilm
Wednesday 07 May 2025 Conway Seminar Room 2 (G028) 10:00 - 11:00	Assessment 1	Prof. Matthias Wilm
Thursday 08 May 2025 Conway Seminar Room 2 (G028) 10.00 – 11.00 11.00 – 12.00	Applications of MS-based proteomics L1: Study of protein post-translational modifications (PTMs) L2: Study of protein-protein interactions; Chemical proteomics	Prof. Gerard Cagney
Tuesday 13 May 2023 Conway Seminar Room 2 (G028) 14:00 - 15:00	Assessment 2	Prof. Matthias Wilm