

# BIOPHYSICAL TECHNIQUES

## LECTURE SERIES 2023

### Introduction to Biophysical Techniques

Tuesday or Thursday 9.30am MPLT

1	Tues 31 <sup>st</sup> Jan	Introduction to Light Microscopy	Nick Barry
2	Thurs 2 <sup>nd</sup> Feb	Image Analysis Tools	Jérôme Boulanger
3	Tues 7 <sup>th</sup> Feb	Fluorescent Labelling and Light Sheet Microscopy	Ben Sutcliffe
4	Thurs 9 <sup>th</sup> Feb	Super-resolution Microscopy	Jonathan Howe
5	Tues 14 <sup>th</sup> Feb	Fluorescence Spectroscopy and Microscale Thermophoresis (MST)	Stephen McLaughlin
6	Thurs 16 <sup>th</sup> Feb	Single Molecule Spectroscopy	Chris Batters
7	Tues 21 <sup>st</sup> Feb	Biosensor Technologies	Stephen McLaughlin
8	Thurs 23 <sup>rd</sup> Feb	ITC and Biomolecular Calorimetry	Chris Johnson
9	Tues 9 <sup>th</sup> May	Introduction to Biomolecular NMR	Trevor Rutherford
10	Thurs 11 <sup>th</sup> May	Advanced NMR Applications	Jane Wagstaff
11	Tues 16 <sup>th</sup> May	Protein Crystallisation	Fabrice Gorrec
12	Thurs 18 <sup>th</sup> May	Structural Biology 2.0	Dom Bellini
13	Tues 23 <sup>rd</sup> May	Light Scattering Techniques	Chris Johnson
14	Thurs 25 <sup>th</sup> May	Analytical Ultracentrifugation	Stephen McLaughlin
15	Tues 30 <sup>th</sup> May	Introduction to Flow Cytometry	Fan Zhang
16	Thurs 1 <sup>st</sup> June	Instrument and Sample Optimisation for Fluorescence Activated Cell Sorting (FACS)	Pier Andrée Penttilä
17	Thurs 8 <sup>th</sup> June	Curve Fitting, Errors and Analysis of Binding Data	Stephen McLaughlin
18	Tues 13 <sup>th</sup> June	Bioinformatics	Tim Stevens
19	Thurs 15 <sup>th</sup> June	AlphaFold2 at the LMB – Use and Applications	Sami Chaaban
20	Tues 20 <sup>th</sup> June	Biological Mass Spectrometry 1	TBC
21	Thurs 22 <sup>nd</sup> June	Biological Mass Spectrometry 2	TBC

