

Department of Chemistry
Departmental Seminar Series: Analytical Chemistry Month

You are cordially invited to a face-to-face lecture presented by



Prof Perdita Barran

Chair of Mass Spectrometry, Department of Chemistry, The University of Manchester, UK

Date: Thursday, 7th of March 2024

Time: 13:00 am

Venue: The Orbital (Room 3-1 Chemistry Building)

**"The Analysis of Biological Molecules with Ion Mobility Mass Spectrometry
from Drugs to Biomarkers."**

Professor Barran holds a Chair of Mass Spectrometry in the Department of Chemistry and is the Director of the Michael Barber Centre for Collaborative Mass Spectrometry and a member of Manchester Institute of Biotechnology, The University of Manchester, UK. She is the deputy chair of the Infrastructure and Capital Advisory Group for the Medical Research Council, UK. Her research interests include: Biological mass spectrometry, Instrument and technique development, Protein structure and interactions, Dynamic and Disordered Systems, Parkinson's disease Diagnostics, HDX-MS, Proteomics, and Molecular modeling. She is a Fellow of the Royal Society of Chemistry and was awarded the Theophilus Redwood Award from the RSC in 2019, Researcher of the Year 2020 from the University of Manchester and the ACS Measurement Science Lectureship 2021. In 2020 she initiated the COVID-19 Mass Spectrometry Coalition and was appointed as Chief Advisor to the UK Government on Mass Spectrometry as part of their pandemic response. Perdita has had the privilege to mentor 35 graduate students through the successful completion of their PhD's. as well as 16 postdoctoral fellows. Perdita has authored over 200 publications in peer reviewed journals which have been cited over 4000 times, by people other than her. In 2021 Perdita founded the company Sebomix Ltd. to exploit sebum as a diagnostic biofluid with a focus on Parkinson's Disease.

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