

I would like to acknowledge and thank the British Society for Proteome Research for the award of the MJ Dunn Fellowship for the BSPR 2022 meeting.

The BSPR meeting this year was held at St Anne's college at the University of Oxford, serving to bring together a diverse range of participants from both academia and industry with a shared interest in proteomics. The meeting provided an intense few days of technical discussions, exchange of ideas and social events.

The organisers had selected a program of presenters from across the spectrum of proteomics, from method development for sample preparation and computational approaches to those applying these technologies to drive new insight into biological problems. As ever, some of this was directly relevant to my own research: I particularly enjoyed hearing from Prof. Mike Gillette on his work integrating proteomics with other 'omics - at scale - to both uncover novel biology and identify putative therapeutic targets. Some of the other highlights were however approaches that were not at all on my radar beforehand. Why not, for example, shine a laser through the ion path of the mass spec if you are studying a photoactive protein as presented by Prof. Perdi Barran. In addition to the melange of mass spec based research we also heard from Prof. Hagan Bayley who continues to develop a nanopore platform with the goal of probing single protein molecules for PTMs. This is certainly something that would complement our existing capabilities and make many additional hypotheses experimentally tractable.

The plenary lectures were delivered by Prof. Matthew Collins, who spoke of his work in applying proteomic methods to the study of archaeological material. In the process, delightfully balancing some very well- and poorly- conducted experiments in this field to make sure to cater for the sceptics in the audience. Sir Peter Ratcliffe covered his research past and present on protein hydroxylation during oxygen sensing, emphasising the value of antibodies during his career in addition to much of his mass spec work.

As ever, it is impossible to fully acknowledge everyone who made for such an interesting and productive meeting. I would like to close by thanking the organisers for their hard work that made the meeting a success, and to all participants for their input. I enjoyed talking to many of you, and I look forward to meeting those I did not have the opportunity to in Nottingham next year.