



SPEAKER'S BIOGRAPHY

NAME: Peter Hoffmann

POSITION & AFFILIATION:

Professor, Lloyd Sansom Chair

President Australasian Proteome Society

Vice President international HUPO

Clinical Health Sciences, University of South Australia,
Adelaide, AUSTRALIA

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TITLE OF TALK:

Towards personalised medicine: Proteomics of patient derived cells and tissues

PROFESSIONAL EXPERIENCE

Professor Peter Hoffmann is President of the Australasian Proteomics Society and Vice President of the international Human Proteome Organisation (HUPO). For over two decades, Prof Hoffmann's research has delved into the identification of low abundant proteins and the mapping of their posttranslational modifications and their use as potential biomarkers for early detection of diseases, one of the biggest challenges in proteomics. He is leader in the field of Mass Spectrometry Imaging and his research group was the first to use this technology in Australia. He is Director of the NCRIS Bioplatfroms Australia Node for Tissue Imaging Mass Spectrometry. He has experience transforming research into industry-relevant outcomes, forming OncoDX to commercialise patented biomarkers for the early detection of ovarian and gastric cancer.



AWARDS AND RECOGNITION

Prof Peter Hoffmann has been recognized for his work in Proteomics. He has received the following awards:

- 2005-2009: Bio Innovation SA Directors Initiative
- 2020-onwards: President Australasian Proteome Society
- 2024-onwards: Vice President international HUPO

RESEARCH INTEREST

- i. Protein characterisation in Biopharmaceutical products
- ii. Imaging Mass Spectrometry using FFPE gynecological cancer tissues.
- iii. Discovery of Biomarkers for the early detection of ovarian and gastric cancer
- iv. Identification and characterization of beer and food related spoilage and production specific microorganisms as well as analysis of contaminations or functional compounds in food and beverage products.
- v. The use of label free mass spectrometry technology for the quantification of disease specific changes in protein expression.

Prof Peter Hoffmann is a passionate and dedicated expert in Proteomics and Mass Spectrometry. He is a valuable asset to the Biopharmaceutical and Food industry documented through collaborations with CSL (Biopharma, 4 PhD projects), Coopers and Unigrain (Beverage and Food industry, 2 PhD projects). He is committed to making a difference in these areas.