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## Proteomic Applications in Ageing and Neurodegenerative Conditions

Guest Editors:

**Prof. Dr. Thomas Wishart**

**Dr. Rachel A. Kline**

**Dr. Dominic Kurian**

Deadline for manuscript  
submissions:

**31 May 2026**

### Message from the Guest Editors

Advances in mass spectrometric technologies, separation sciences and associated informatics have ushered proteomics technologies to a position where we can address questions at the level of the effector molecule with sensitivity and precision greater than ever before. Probing thousands of proteins from clinical and biofluid samples or in tissues in the context of cellular and subcellular localisations and their post-translational variants now offer unprecedented opportunities in characterising complex disease phenotypes. The sheer breadth of data potentially generated by these advanced MS technologies encompasses analyte subsets ranging from lipids, metabolites, peptides, proteins and post-translational modifications. Each technique harbours its own merits and challenges, from experimental design to sample processing and data handling. This Special Issue will comprise new manuscripts describing the limitations and considerations required for effective -omics experimentation and novel research demonstrating the importance of MS-based -omics to our understanding of the molecular underpinnings of processes informing on and/or regulating ageing and/or neurodegeneration.



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**Special** Issue



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## Message from the Editorial Board

*Cells* has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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