

## Special Issue

# Mass Spectrometry Imaging in Neuroscience

### Message from the Guest Editor

Mass spectrometry imaging (MSI) has become a valuable chemical imaging tool for biological research, offering high chemical specificity, high sensitivity, and multiplexed detection of multiple biomolecules that localize within cells and tissues at cellular and subcellular spatial resolution.

Over recent decades, MSI has been increasingly applied to study molecular organization and the functional relations of the underlying biological processes in neuronal cells and neurological diseases. The spatial localization of biomolecules such as lipids, proteins, and metabolites, etc. can now be mapped and related to their neurological functions. Cellular and subcellular molecular turnover, reflecting the synthesis, metabolism and degradation in neurons and the brain at a certain stage of neuronal development, maturation, or pathology, is now being added to this knowledge base. Biomarkers distributed within specific regions of cells and tissues provide valuable insights into cellular pathways of neurodegenerative diseases.

We are pleased to invite you to contribute an original article or review focusing on any aspects of neurobiology using MSI.

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### Guest Editor

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### Deadline for manuscript submissions

30 November 2025



## Biomolecules

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### Message from the Editorial Board

*Biomolecules* is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

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