

Special Issue

RNA Sequencing Data Research on Ageing and Age- Related Diseases

Message from the Guest Editors

Ageing is a complex process influenced by genetic and epigenetic regulation, post-translational regulation, metabolic regulation, lifestyle, and many other elements. New research methods, drugs, and clinical treatments are emerging, offering opportunities to reveal the mechanisms of ageing and the prevention or treatment of ageing-related diseases.

RNA-Seq allows for the detailed analysis of patients compared to control post mortem brain samples using statistical/bioinformatic analyses. Ageing is a major risk factor for Alzheimer's disease, the second most frequent neurodegenerative disease worldwide. Future statistical/bioinformatic analyses may focus on specific brain cell types (such as neurons, endothelial cells, oligodendrocytes microglia, and astrocytes).

The proposed topics include, but are not limited to, the following:

- Neurodegenerative diseases;
- The role of neuroinflammation in the development of ageing;
- Ageing gene expression;
- Molecular biomarkers of ageing;
- Experimental models of ageing.

Guest Editors

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Editor-in-Chief

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