

Special Issue

Current Status and Future Perspectives on Lipid Biology and Beyond

Message from the Guest Editors

There are enormous discoveries in lipid biology, thanks to the development of lipidomics and "the large-scale study of pathways of cellular lipids in biological systems". This has clarified the regulatory mechanisms of lipids and facilitated research on lipid-metabolizing enzymes, as well as the role of lipids in energy metabolism and metabolic homeostasis. Besides their role in energy production and storage, fats also influence processes such as cardiovascular disease, thermogenesis, insulin sensitivity, glucose homeostasis, inflammation, and redox status. There are many themes to explore. You are also welcome to submit your original research or comprehensive review articles within this broad area.

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A major strength of biological science is the diversity of approaches that biological scientists apply to their research problems. *Biology* reflects this diversity and brings together studies employing the varied experimental and theoretical approaches that are fueling biological discovery. *Biology*, the journal, is a fully peer-reviewed publication with a rapid and economical route to open access publication and is listed on PubMed. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

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