Special Issue

Zebrafish Models in the Study of Diabetes and Metabolic Dysfunction

Message from the Guest Editor

This Special Issue, entitled "Zebrafish Models in the Study of Diabetes and Metabolic Dysfunction", is dedicated to presenting pioneering research that utilizes zebrafish to investigate the development of metabolic disorders. We invite submissions of original research and review articles that explore the use of zebrafish models in studying hyperglycemia, insulin resistance, lipid metabolism disorders, pancreatic □-cell dysfunction, hepatic steatosis, and the effects of diet-induced metabolic stress. We particularly encourage studies that involve CRISPR/Cas9-based gene editing, transgenic models, and high-throughput screening of pharmacological or nutraceutical agents. This issue aims to highlight the integration of metabolomics, transcriptomics, and imaging technologies to deepen our understanding of both systemic and organ-specific metabolic changes in zebrafish. By compiling a wide range of research contributions, this Special Issue will provide a thorough overview of how zebrafish are contributing to our knowledge of metabolic diseases and their potential treatment options. We eagerly anticipate your valuable contributions to this expanding and interdisciplinary field.

Guest Editor

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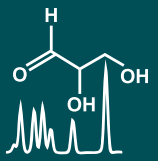

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About the Journal

Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

Editor-in-Chief

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