

Special Issue

Trends and Prospects of Flow Cytometry in Cell and Molecular Biology

Message from the Guest Editors

Flow Cytometry is a methodology we consider mature but paradoxically keeps evolving rapidly, continuously offering new challenges even to those who think they know it deeply. Born as a technique for automatically evaluating cell features, such as physical parameters and the content of nucleic acids, it has become a multifaceted tool in a series of different sectors and an invaluable instrument in studying the biochemistry and molecular features of the cells. On the one hand, the continuously growing availability of a panoply of fluorescent probes allows us to investigate a series of cellular activities in a new way; on the other hand, the appearance of new technologies, such as Raman cytometry and others, promises the arrival of an era in which it will be possible to acquire information on metabolism and cell functions through a label-free approach. The ambition of this issue of the Journal is to take stock of what is happening in this field and help us understand the new directions toward which Flow Cytometry is moving. I'm confident that, with the help of all of you, this special number of IJMS will be a success.

Guest Editors

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Deadline for manuscript submissions

closed (20 December 2024)



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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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