Special Issue

The Applications of Flow Cytometry: Advances, Challenges, and Trends

Message from the Guest Editor

Flow cytometry is a well-established and user-friendly single-cell technology that simultaneously measures multiple analyte expression patterns in individual cells. With its widespread application, flow cytometry has made remarkable progress. Recently, advancements in the field include technological innovations (i.e., spectral cytometry, mass cytometry, and imaging cytometry) and methodological innovations in acquisition and analysis. These advances have rendered flow cytometry an invaluable tool in studies of the immune system and other areas of cell biology. This Special Issue will provide insights into the applications of using flow cytometry, covering the latest advances, current challenges, and future trends. It aims to broaden our understanding of basic research flow cytometry findings and potentially lead in translating new applications or new protocols into clinical strategies. We would highly welcome the submission of original article, review, or communication on flow cytometry in research biology or medical science.

Guest Editor

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Deadline for manuscript submissions

closed (31 August 2024)

Cells

an Open Access Journal by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed

mdpi.com/si/178199

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Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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