

Special Issue

Cellular and Subcellular Analysis Using Vibrational Spectroscopy

Message from the Guest Editors

Vibrational spectroscopies have emerged in the biomedical community as a powerful, label-free and information-rich family of techniques. Their biochemical sensitivity continues to improve, while the scale of spatial resolution that can be reached is now in the nanometer range. The aim of this Special Issue is to focus on developments and applications of all forms of vibrational spectroscopy in cellular research, encompassing infrared and Raman spectroscopy, microscopy and imaging, atomic force microscopy, approaches combining Raman and infrared spectroscopy, surface-enhanced spectroscopies and synchrotron-based experiments. The goal is to showcase to the readers of *Cells* the wide range of research activities and the increasing potential of these techniques beyond conventional cell research methods.

Guest Editors

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Prof. Dr. Hugh J. Byrne

Deadline for manuscript submissions

closed (31 December 2021)



Cells

an Open Access Journal
by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed



mdpi.com/si/65541

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About the Journal

Message from the Editorial Board

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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).