

Special Issue

Ras Family of Genes and Proteins: Structure, Function and Regulation

Message from the Guest Editors

RAS research is now entering its fifth decade behind multiple prior discoveries including the pioneering isolation and characterization of the canonical HRAS, NRAS and KRAS oncogenes and their cellular counterparts, the demonstration of their malignant activation by point mutation, the preferential association of specific RAS oncogenes with certain tumor types, or the characterization of the essential roles played by different RAS proteins in cellular signaling processes controlling proliferation, differentiation or survival. The aim of this Special Issue, in this era of renovated optimism in the RAS field, is to assemble original data and reviews fostering a deeper knowledge about the structure, function and regulation of all members of the RAS superfamily of genes and proteins, as well as their cellular modulators of the GAP and GEF families. It is likely that any new progress concerning basic knowledge on these issues will also be quickly translated into improvements in diagnostics, prognostics or treatments of RAS-driven tumors.

Guest Editors

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Deadline for manuscript submissions

15 October 2025



Cells

an Open Access Journal
by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed



mdpi.com/si/221166

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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).