

Special Issue

Cellular Signalling Pathways in the Endocrine Pancreas and Diabetes

Message from the Guest Editor

Dysregulated cellular signalling within the endocrine pancreas is central to the onset and progression of diabetes. This *Cells* Special Issue welcomes both original research articles and comprehensive reviews that elucidate the latest advances in intracellular and intercellular signalling pathways regulating endocrine function, beta-cell biology, and systemic metabolic control. This Special Issue aims to publish impactful articles addressing pathways and mechanisms linking genetic, metabolic, and environmental risk factors to alterations in signalling in response to inflammation, cell stress, and metabolic overload. Topics of interest include (but are not limited to) beta-cell signalling dynamics, islet cell communication, metabolic and inflammatory stress, and the therapeutic strategies targeting these processes. By assembling cutting-edge research across these areas, this Special Issue aims to clarify the signalling mechanisms underlying diabetes risk and progression and to inspire new avenues for prevention and treatment.

Guest Editor

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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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Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.5 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).