# Special Issue

# Molecular Mechanisms of Signal Transduction in the Islet Cells

## Message from the Guest Editor

The molecular mechanisms that regulate the secretion of hormones from the islets of Langerhans are being studied by many investigators. New discoveries are advancing our understanding of the molecular events involved and forcing us to change our previous views. Many nutrients, neurotransmitters and hormones regulate secretions from the islets. Numerous receptors, signaling cascades, ion channels, genes and transcription factors participate in these processes. Many advanced methods, including advanced imaging techniques, RNA sequencing, and single cell transcriptomics, are being used to elucidate the complexities of the signaling mechanisms involved. We encourage investigators to submit original studies and review papers that deal with the signaling mechanisms regulating secretion from islet cells, their development and survival, in healthy and in pathological conditions.

## Guest Editor

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## Deadline for manuscript submissions

closed (15 March 2025)

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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.

## Editors-in-Chief

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