

## Special Issue

# Inflammation and Immune Cell Activation in Kidney Disease

### Message from the Guest Editors

Inflammation is a central pathomechanism of many forms of kidney injury and includes genetic abnormalities, autoinflammation, and autoimmune conditions and is a primary trigger of glomerulonephritis and renal vasculitis. Inflammation also occurs as a secondary phenomenon in toxic or ischemic kidney injuries. In addition, inflammation is a hallmark of alloimmunity after kidney transplantation. In contrast, alternative patterns of immune cell activation promote the healing phase upon kidney injury and therefore the presence of immune cells is associated with kidney remodeling, involving the processes of persistent interstitial nephritis and fibrogenesis, in chronic kidney disease. Finally, systemic inflammation contributes to the cardiovascular complications of chronic kidney disease by accelerating atherogenesis, vascular calcification, and heart failure. This Special Issue of *Cells* will promote the visibility of research covering immune activation in kidney injury, kidney healing, and kidney disease-related complications.

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### Guest Editors

Prof. Hans-Joachim Anders

Prof. Betty Diamond

Dr. Stefanie Steiger

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### Deadline for manuscript submissions

closed (31 December 2021)



## Cells

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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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### Editors-in-Chief

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#### Journal Rank:

JCR - Q2 (Cell Biology) / CiteScore - Q1 (General Biochemistry, Genetics and Molecular Biology)

#### Rapid Publication:

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).