

## Topical Collection

# Toll-Like Receptors in Pathologies

### Message from the Collection Editor

Toll-like receptors (TLRs) belong to pattern recognition receptors expressed by the most cells as transmembrane receptors or within endosomal compartments. They play a key role in the innate immune system, and their involvement in the several immune and non-immune diseases is currently a matter of great debate and controversy. Excessive TLR activation can be associated with systemic inflammation, tissue damage, and organ dysfunction. Cumulative evidence suggests the contribution of TLR signaling dysregulation to the development and progression of almost all diseases, such as neurodegenerative diseases, cancer, chronic inflammation, autoimmune diseases, infectious disease, cardiovascular disorders, inflammatory bowel disease, asthma, obesity, type 2 diabetes mellitus, etc. This Special Issue will feature papers on in vitro and animal models of diseases, as well as on patients. The focus is on better understanding the molecular and cellular role of TLRs in the pathogenesis of diseases as well as their potential use as druggable targets for future therapeutics.

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### Collection Editor

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## 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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