

Special Issue

Formation, Aggregation, Persistence, and Maturation of NETs

Message from the Guest Editors

Neutrophils are the most abundant leukocytes in human blood and the first line of defense against invading pathogens. They are the first cells recruited to the site of injury and are capable of fighting pathogens via phagocytosis, degranulation, production of reactive oxygen species (ROS) and formation of neutrophil extracellular traps (NETs). The latter are composed of chromatin decorated with neutrophil granular proteins such as myeloperoxidase (MPO) or neutrophil elastase (NE). NETs were first reported in 2004 as a mechanism for neutrophils to trap and kill bacteria. Since then, many other features of NETs have been described. It is now clear that a delicate balance of NET formation and degradation is needed to grant the beneficial effects of NETs and prevent the contribution to pathological states such as autoimmune diseases, lithiasis, aberrant anti-cancer responses or immunothrombosis. This Special Issue of *Cells* invites all authors to contribute with original research, review or communications exploring the formation, aggregation, persistence and maturation of NETs in tissues during health and disease.

Guest Editors

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Deadline for manuscript submissions

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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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