

Special Issue

Type 1 Diabetes and Associated Immune-Mediated Diseases: Focus on Environmental Factors

Message from the Guest Editors

Type 1 diabetes (T1D) is an autoimmune disease in which environmental factors play an important role, as documented by the remarkably growing T1D incidence in developed countries and decreasing age of disease onset in recent decades. Pathogenic, effector, and regulatory immune responses may all be influenced by the environment, but due to their complexities and variability, these interactions are difficult to dissect and to define, yet they represent a promising and relatively safe approach in disease prevention or arrest.

Infections, dietary factor, intestinal microbiota, metabolism and metabolites, and their interplays are capable of shaping preferentially mucosal, adaptive and innate immune responses. The focus of this Special Issue is on the role of immunity, diets, microbiota, and/or metabolites not confined only to T1D, but also including T1D-associated autoimmune diseases such as celiac disease, autoimmune thyroid disease, autoimmune gastritis, pernicious anemia, Sjogren's syndrome, as well as other immune-mediated diseases (e.g., psoriasis or Parkinson's disease) in which parallels in terms of the role of immunity and the environment may be found.

Guest Editors

Dr. David Funda

Institute of Microbiology of the Czech Academy of Sciences, v.v.i.,
Prague and Nový Hradec, Prague, Czech Republic

Dr. Martin Haupt-Jørgensen

Haupt-Jørgensen Group, Bartholin Institute, Department of Pathology,
Rigshospitalet, Ole Maaløes Vej 5, Building 2, 3 floor, 2200 Copenhagen
N, Denmark

Deadline for manuscript submissions

closed (31 December 2023)



Cells

an Open Access Journal
by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed



mdpi.com/si/146586

Cells
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
cells@mdpi.com

[mdpi.com/journal/
cells](https://mdpi.com/journal/cells)





Cells

an Open Access Journal
by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed



[mdpi.com/journal/
cells](https://mdpi.com/journal/cells)



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.

Editors-in-Chief

Dr. Alexander E. Kalyuzhny

Dental Basic Sciences, University of Minnesota, 308 Harvard St. SE,
Minneapolis, MN 55455, USA

Prof. Dr. Cord Brakebusch

Biotech Research & Innovation Centre, The University of Copenhagen,
Copenhagen, Denmark

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, CAPus / SciFinder, and other databases.

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).