

## Special Issue

# Transposable Elements: The Impact on the Structural and Functional Organization of the Genome

### Message from the Guest Editor

Transposable elements are a relevant and fascinating part of the genome of all living organisms, from bacteria to humans, which simultaneously show both their bad and their good sides. On the one hand, these elements are, in fact, capable of producing harmful effects due to their ability to jump from one part of the genome to the other. On the other hand, it is clear that these elements have, nevertheless, played an important role from an evolutionary point of view. Recent results have highlighted that transposable elements are not only implicated in the genesis of various complex diseases, but also in normal brain development. Despite the risks of their coexistence with host genomes, transposons have been recognized as important evolutionary tools for their capacity to reshape genomes by creating new regulatory elements, gene mutations and chromosome rearrangements—all of which are factors involved in adaptation processes. We are looking forward to your contributions to this Special Issue, whose purpose is to offer a panoramic view about the advances in recent research on such a versatile part of the genome.

---

### Guest Editor

Dr. Laura Fanti

Department of Biology and Biotechnology “Charles Darwin”, Laboratory of Epigenetics, “Sapienza” University of Rome, Rome, Italy

---

### Deadline for manuscript submissions

closed (15 May 2022)



## Cells

---

an Open Access Journal  
by MDPI

---

Impact Factor 5.2  
CiteScore 10.5  
Indexed in PubMed



[mdpi.com/si/53272](https://mdpi.com/si/53272)

*Cells*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[cells@mdpi.com](mailto: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, CAPlus / 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 15.5 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).