

## Special Issue

# Molecular and Cellular Basis of Ectopic Fat Deposition in the Heart

### Message from the Guest Editors

Ectopic fat deposition in the heart has been neglected for a long time, but it has recently become a new area of research focus. For this Special Issue, all kinds of studies related to the interrelation between immune cells and ectopic adipose tissue development are encouraged, as are studies considering the links between ectopic adipose tissue and cardiovascular diseases. Expert articles describing mechanistic, functional, cellular, biochemical, or general aspects of epicardial or ectopic adipose tissue development are highly welcome, including animal models with lack of adipose tissue development or in vitro studies related to lipodystrophic syndromes. We look forward to submissions that not only demonstrate new molecular mechanisms but also validate the existing research on ectopic adipose tissue inflammation, browning/beiging, or development (adipose stem cells). This translational Special Issue will focus on the pathogenesis of cardiac (epicardial or intramyocardial) ectopic fat and its links with coronary artery disease, atrial fibrillation, or left ventricular function.

---

### Guest Editors

Prof. Bénédicte Gaborit

Prof. Anne Dutour

Prof. Catherine Badens

---

### Deadline for manuscript submissions

closed (31 October 2022)



## Cells

---

an Open Access Journal  
by MDPI

---

Impact Factor 5.2  
CiteScore 10.5  
Indexed in PubMed



[mdpi.com/si/51366](https://mdpi.com/si/51366)

*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/](https://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).