Special Issue

Elucidating Roles of Cell Adhesion Molecules in Health and Disease

Message from the Guest Editor

Cell Adhesion Molecules (CAMs) are proteins involved in cell-to-cell adhesion and cell-to-extracellular matrix interactions. There are four major groups: immunoglobulin superfamily CAMs (IgSF-CAMs), integrins, cadherins, and selectins. In addition, CAMs that do not belong to the major groups, such as neuroligins, neurexins, or prion proteins, are also involved in mediating the adhesive interactions of cells.

In a healthy organism, CAMs of various families maintain tissue architecture and facilitate tissue remodeling by promoting cell migration and enabling cell-to-cell recognition, being involved in various processes such as embryogenesis, establishment of neuronal connectivity, and inflammatory response.

CAMs' dysregulation contributes to different pathologies.Mutations in CAMs or copy number variations in CAM-coding genes are linked to genetic disorders. Understanding CAMs' dual roles in health and disease offers insights into novel diagnostic and therapeutic strategies.

We encourage you to contribute by submitting a research article or a review dedicated to cell adhesion molecules and their role in human health and diseases.

Guest Editor

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Deadline for manuscript submissions

20 February 2026

Cells

an Open Access Journal by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed

mdpi.com/si/249228

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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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