Special Issue

Research on the Amyloid in Alzheimer's Disease

Message from the Guest Editor

Alzheimer's disease (AD) is a globally prevalent progressive and neurodegenerative brain disorder, characterized by amyloid plaques and tau tangles leading to cognitive decline. Recent research on the amyloid in AD, including the "amyloid clock" biomarker, has made significant strides. While there is still no cure for AD, the recent FDA-approved anti-amyloid drugs aducanumab and lecanemab reduce its symptoms. However, there is a need to understand the interaction between neurons and non-neurons, which contributes to an imbalance between the production and clearance of the amyloid in AD, better. AD-patient-derived inducible pluripotent stem cells (iPSCs) can differentiate into various types of neurons, non-neurons, and brain organoids in vitro and in in vivo models, recapitulating the AD pathology in relevant cells. This Special Issue will examine novel amyloid-associated mechanisms and improved biomarkers for AD; the amyloid's effect on the AD brain network; AD patient iPSC-derived neurons, non-neurons, and brain organoids; and in vivo models investigating the role of the amyloid in AD. Yours faithfully,

Guest Editor

Dr. Archna Sharma

Institute of Molecular Medicine, Feinstein Institutes for Medical Research, 350 Community Drive, Manhasset, NY 11030, USA

Deadline for manuscript submissions

closed (30 June 2025)

Cells

an Open Access Journal by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed

mdpi.com/si/210013

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

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

MDPI

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 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).