Special Issue

Protein Kinases and Neurodegeneration

Message from the Guest Editors

Neurodegenerative disorders and the associated comorbidities are on the rise due to the global increase in ageing population. Most common neurodegenerative diseases include Parkinson's and Alzheimer's disease, amyotrophic lateral sclerosis, Huntington's disease, and frontotemporal dementia, among others. The rise in disease burden is not suitably met by novel therapeutic developments and effective treatment strategies yet. One of the most popular classes of biomolecules that has been successfully targeted in the last two decades are human protein kinases. Protein kinases are highly tractable drug targets where, overall, more than 70 small molecule inhibitors are FDA approved and several antibody therapies are currently under trial. A complete understanding of the molecular mechanisms, signaling regulation, and structural basis of key kinase molecules involved in neuronal function will create and strengthen new avenues for developing drug targets for neurodegenerative disorders. On this basis. we invite original research articles, reviews, and technical reports focused on protein kinases that can be validated as novel drug targets for neurodegenerative disorders.

Guest Editors

Dr. Jeyanthy Eswaran

Translational and Clinical Research Institute, Newcastle University Centre for Cancer, Newcastle University, Level 6, Herschel Building, Brewery Lane, Newcastle upon Tyne, NE1 7RU, UK

Dr. Meera Soundararajan

Department of Applied Sciences, Faculty of Health and Life Sciences, Northumbria University, Newcastle upon Tyne NE1 8ST, UK

Deadline for manuscript submissions

closed (15 April 2023)

Cells

an Open Access Journal by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed

mdpi.com/si/100279

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

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).