Special Issue

Kinases in Cancer: Advancing Targeted Therapies and Their Implications in Cancer Immunity

Message from the Guest Editors

The phospho-modification of amino acids is a powerfully effective way to control cell-fate by dynamically altering protein function based upon environmental changes. Such modifications can act efficiently in response to stress by reversibly changing the local chemistry, forming and disrupting functional protein complexes, and activating signaling cascades. The deregulation of kinases themselves or of the adapters and scaffolds within the kinome axis that orchestrates signaling can lead to diseases including malignant transformation and cancer. In this Special Issue, we will examine kinases and their function in normal and in disease signaling, particularly in cancers and related disorders. Kinases are the most drug-targeted protein family for cancer therapeutics. This Special Issue will therefore also address current information regarding successes, failures, and promising future strategies for kinase targeting. We aim to explore kinase interactome mechanisms, specific inhibitors/approved drugs, and therapeutic impacts on cancer inflammatory signaling extending to potential impact on cancer immunity.

Guest Editors

Dr. Zamal Ahmed

Department of Molecular and Cellular Oncology, University of Texas, MD Anderson Cancer Center, Houston, TX 77030, USA

Dr. John A. Tainer

1. Department of Molecular and Cellular Oncology, The University of Texas MD Anderson Cancer Center, Houston, TX 77030, USA
2. Molecular Biophysics and Integrated Bioimaging, Lawrence Berkeley National Laboratory, Berkeley, CA 94720, USA

Deadline for manuscript submissions

31 August 2025

Cells

an Open Access Journal by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed

mdpi.com/si/210145

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).