Special Issue

AI Approaches to Identification of Imaging Biomarkers

Message from the Guest Editors

Artificial Intelligence (AI) is advancing biomedical imaging in many ways, including but not limited to providing imaging biomarkers for disease diagnosis and patient care.The Special Issue highlighting the latest development and deployment of AI techniques to biomedical studies and invites you to submit your research for consideration. The focus will be primarily on the development and/or deployment of AI to the identification of imaging biomarkers; however, studies related to other biomedical imaging applications of AI are welcome. We encourage you to submit studies on the following areas:

- Machine learning approaches for biological or medical imaging biomarker detection for, e.g., disease diagnosis, prognosis, and/or treatment suggestions;
- Machine learning approaches for multimodal biomarker (e.g., imaging biomarker and molecular biomarker) detection that significantly improve the accuracy of diagnosis, prognosis, and/or treatment response prediction compared to single modal biomarkers;
- Transfer learning approaches for cross-tissue/cross-species imaging biomarker translations

Guest Editors

Dr. Hang Chang

Lawrence Berkeley National Laboratory, Berkeley, CA 94720, USA

Dr. Jian-Hua Mao

Biological Systems and Engineering Division, Lawrence Berkeley National Laboratory, Berkeley, CA 94720, USA

Deadline for manuscript submissions

closed (15 July 2023)

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

mdpi.com/journal/cells

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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.

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
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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).