

Special Issue

Imaging Biomarkers for Stratified Medicine and Personalised Healthcare

Message from the Guest Editor

Imaging biomarkers (IBs) are widely used in medicine. IBs are routinely employed by regulatory agencies as surrogate endpoints or monitoring methods, but still only rarely as companion diagnostics. Prognostic IBs forecast whether patients will do well or badly, irrespective of any treatment they may receive. Personalised medicine, however, relies not on Prognostic but on Predictive (or Prescriptive) biomarkers. The development and validation of Predictive IBs is hard. A predictive IB needs a technically validated assay, plus a biological rationale supported by a robust platform of evidence. But also, it needs clinical trial evidence showing, not only that the IB forecasts which patients will respond well to an investigational treatment, but also that the IB performs better at forecasting the response to the investigational treatment than at forecasting the response to alternative or standard-of-care treatments. This Special Issue includes reports on a range of IBs with potential in personalised medicine, and describes current work to extend the platform of evidence that will eventually support their clinical use in improving patient outcomes.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Journal of Personalized Medicine (JPM), ISSN 2075-4426) is an international, open access journal aimed at bringing all aspects of personalized medicine to one platform. *JPM* publishes cutting edge, innovative preclinical and translational scientific research and technologies related to personalized medicine (e.g., precision medicine, pharmacogenomics/proteomics, systems biology, 'omics association analysis). *JPM* is covered in Scopus, the Science Citation Index Expanded (SCIE), PubMed, PMC, Embase, and other databases.

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 21.5 days after submission; acceptance to publication is undertaken in 3.5 days (median values for papers published in this journal in the first half of 2025).