Special Issue

Data Resources and Approaches for Precision Medicine Research: New Developments and Applications

Message from the Guest Editor

Technological developments in omics and informatics over the past ten years have enabled the generation of different data types from biospecimens linked to health, lifestyle, and exposure data extracted from multiple resources ranging from the traditional epidemiologic to the emerging hybrid cohort models offering access to electronic health records. This generates new opportunities for risk stratification in precision medicine research. The aim of this Special Issue is to showcase the development of data resources and statistical methods and their use in precision medicine research. The manuscript topics we invite include reviews and critical comparisons of resources with biospecimens linked to health data, reviews and critical assessments and original research of methods developed for multiple data types, original research in methods development or applications of polygenic risk scores, original research in computable or electronic phenotyping using EHRs, and original research in methods development or application to datasets with multiple genetic ancestries.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Journal of Personalized Medicine is one of the few journals that covers the diverse areas involved in the field, including research at basic, translational, and clinical levels. It focuses on "omics"-level studies that seek to define the basis of interindividual variation in susceptibility for a disease, its prognosis or definition of clinical
subsets, and response to therapy (pharmacogenomics). We are also interested in systems biology as it relates to interindividual variation, and research on new methodologies, informatics, and biostatistics, in the aforementioned areas.

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