



## Functional Biomarkers for Cardiometabolic Disorders

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### Message from the Guest Editor

Cardiometabolic disorders are a set of maladaptive cardiovascular, renal, thrombotic, inflammatory, and metabolic diseases, long been recognized by worldwide health organizations. Cardiometabolic disorders are the leading cause of mortality globally. Identifying novel and early-stage biomarkers of cardiovascular disorders is critical for predicting and avoiding the considerable morbidity and mortality associated with these diseases. The number of possible biomarkers that allow for the improved functional characterization of individuals with cardiometabolic disorders is constantly expanding. New biomarkers for cardiovascular and metabolic disease characterization are being developed by combining continuous physiological signal detection with various analytic approaches. Functional biomarkers can be derived from wearable devices or sequential measures with point-of-care devices to boost early disease detection, disease status surveillance, and therapy efficacy. Furthermore, systems biology approaches have the potential to identify biomarkers for diagnostic, prognostic, or predictive purposes.





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