

Special Issue

Biomarkers in the Diagnosis, Treatment and Prognosis of Heart Diseases

Message from the Guest Editors

Cardiac biomarkers such as troponins and natriuretic peptides have greatly impacted clinical decision making and improved our understanding of the molecular mechanisms of different disease conditions. However, the biomarkers currently in use do not reflect all the disease pathways involved in cardiac disease conditions, which range from acute coronary syndrome to heart failure, pulmonary hypertension, and arrhythmias. Furthermore, novel biomarkers could be critical for establishing diagnoses and for the follow-up of several comorbidities in heart failure. Biomarkers can be elucidated through a blood test or a modern image technology, such as left atrial strain or novel cardiac MRI sequences and techniques. In this Special Issue, we will provide an overview of the latest developments in the field of biomarker research, from findings on molecular pathways and cellular communication (e.g., microRNA) to the clinical use of well-known and novel biomarkers.

Keywords: novel biomarkers; heart diseases; heart failure; heart failure co-morbidities

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