Special Issue

Precision and Targeted Therapy in Cardiac Surgery

Message from the Guest Editors

Cardiac surgery has undergone tremendous growth in recent years. Operative mortality is as low as 1%–3% in elective cardiac surgical patients. With the advent of minimally invasive techniques and transcatheter procedures, transcatheter aortic valve implantation (TAVI), MitraClip and transapical mitral chordae implantation (TOP-MINI) have been further evaluated in order to be applied in intermediate-, as well as low-risk patients. In the field of heart failure surgery, more compact, less-invasive centrifugal-flow blood pumps are being developed for long-term use, aiming to reduce the number of patients on the heart transplant waiting list. All these new technologies have led to the better treatment of complex cardiac diseases, thus providing enhanced outcomes, quality of services and quality of life for our patients. Furthermore, while it is important to recognize the promise and potential of patient tailored management, it is also essential to debate whether the proposed outstanding goals are realistic. This Special Issue. Our goal is to provide the readers with the cutting edge and up-to-date advances in the field of precision and targeted therapy in cardiac surgery.

Guest Editors

Dr. Kyriakos Spiliopoulos

Department of Cardiothoracic Surgery, University of Thessaly, Biopolis, 41110 Larissa, Greece

Dr. Andrew Xanthopoulos

Department of Cardiology, University Hospital of Larissa, 41110 Larissa, Greece

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

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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.

Editor-in-Chief

Prof. Dr. Kenneth P.H. Pritzker
Department of Laboratory Medicine and Pathobiology, Department of Surgery, University of Toronto, 6 Queens Pk Crescent W.F, Toronto, ON M5S 3H2, Canada

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