Special Issue

The Interface between Human Physiology and Medical Device Development

Message from the Guest Editor

The evolution in current medical practice has been built on a foundation of a growing improved understanding of the fundamental physiological principles that control the human body function. In parallel, over the last 30 years, the discipline of biomedical engineering has reported on a vast wealth of knowledge of how the human body interacts with foreign materials, and has grown our understanding of the forces and dynamics of these interactions. These two disciplines have merged to great effect in modern medicine, where clinicians can now treat human disease with a level of specificity and sensitivity unimaginable 30 years ago. There has been an explosion in the development of medical device technologies with the arrival of novel physiological sensors (both wearable and implantable), actuators (both mechanical and electrical), improved signal processing tools, and machine learning algorithms. All of this allows, for example, for heart disease in individual patients to be not only managed better, but managed remotely.

Guest Editor

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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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