



Vascular Reconstruction, Imaging and Personalized Medicine

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Message from the Guest Editors

A single surgical intervention in the human cardiac system can disrupt the hemodynamics of the entire system. Therefore, it is essential to predict the character of blood hemodynamic changes before and after surgical intervention. Physicians and engineers often with the use of human or animal models as well as their digital presentation in numerical models. As these approaches may reduce morbidity or mortality, early diagnosis, and treatment—including preoperative care and surgical intervention—is mandatory.

This Special Issue of the *Journal of Personalized Medicine* will be devoted to providing a focused perspective in specific areas of blood hemodynamic reconstruction, with topics including but not limited to:

- Computational fluid dynamic techniques for blood hemodynamic reconstruction;
- Bioreactor for artificial vessels and human tissues;
- Optimization of the process of vascular implant placement;
- Fluid–structure interaction of moving wall and blood components.





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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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