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Biomedical Imaging Technologies for Cardiovascular Disease—3rd Edition

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Message from the Guest Editor

Dear Colleagues,

Biomedical imaging technologies have substantially increased in number and diversity over the past few years. Important improvements in accuracy, sensitivity, and refinement have been possible thanks to technological advances in software and hardware. In particular, cardiovascular disease assessment of anatomy, hemodynamics, and tissue biomarkers saw exceptional improvement, aiding the stratification of patient risk and therapy. The recent integration of artificial intelligence and machine learning has also supported novel approaches for personalized image-based diagnosis. This Special Issue is dedicated to collecting recent progress in biomedical imaging technologies for cardiovascular disease:

- Advances in cardiac echocardiography;
- Advances in cardiac computed tomography;
- Advances in cardiac magnetic resonance;
- Advances in positron emission tomography;
- Advances in cardiovascular image processing;
- Advances in image-guided interventions;
- Advances in personalized cardiac imaging;
- Advances in the integration of medical imaging and computational modeling;
- Advances in biomedical imaging using machine learning and artificial intelligence...

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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