



Novel Optics-Based Approaches for Cardiovascular Researches

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Deadline for manuscript submissions:

closed (15 July 2022)

Message from the Guest Editors

Dear Colleagues,

Cardiovascular investigation has been tremendously transformed by optics-based imaging methodologies. Recent innovations in optical methods allow imaging multiple fast phenomena while controlling, with an adequate spatiotemporal resolution, the biological determinants involved. The increasing need to investigate large biological specimens has also driven the development of novel optical techniques in combination with chemical approaches capable of volumetric imaging with no compromises in terms of field-of-view and spatial resolution.

In this Special Issue, we welcome researchers to submit original research, review, perspective, and opinion articles on topics ranging from super-resolution techniques to coarse-resolution whole heart mapping, from imaging cardiac activity and correlating this activity to underlying structure to manipulating cardiac activity with optogenetics.





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Message from the Editor-in-Chief

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