



## 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

*Methods and Protocols* (ISSN 2409-9279) is an open access journal devoted to the publication of new procedural approaches and cutting-edge methodological developments. The ultimate objective of this new forum of scientific communication is to provide researchers with an indispensable tool, enabling better use of the latest scientific technologies. With a broad and totally interdisciplinary focus, *Methods and Protocols* was established with the objective of facilitating cross-fertilization and cross-talk in the scientific arena. Methods and protocols in Life Sciences, Chemistry, Biomedical Sciences, Engineering, and in their intersections such as Biotechnology and Nanotechnology will constitute the core of the journal. However, we anticipate that other fundamental disciplines such as Physics or Geology will be rapidly incorporated.

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