



Imaging and Analysis of Vascular Networks: Latest Advances and Prospects

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Deadline for manuscript submissions:

closed (30 January 2024)

Message from the Guest Editors

Dear Colleagues,

The cardiovascular system is of critical importance for the maintenance of the body. Its main general function is the delivery of oxygen, nutrients, and others molecules to tissues, with specific additional roles in some specialized organs, such as glomerular filtration in the kidneys, hormone release in blood flow in endocrine glands, etc. The vascular system, composed of arteries, capillaries, and veins, is a multiscale network whose functional capacity critically depends on its spatial organization. Impairment of the vascular network is associated with a variety of pathologies, such as heart failure, diabetes, or cognitive disorders. Imaging and spatial characterization of the 3D architecture of vascular networks is hence required to analyze their normal functional capacity and their pathological alterations.

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Message from the Editor-in-Chief

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