# **Special Issue**

# Molecular and Cellular Mechanisms of Aortic Aneurysms

### Message from the Guest Editor

The latter is a group of chronic conditions, often asymptomatic, in which the aorta dilates, with the risk of dissection and rupture. Abdominal aortic aneurysms (AAAs) and thoracic aortic aneurysms (TAAs) exhibit differences and similarities in their pathophysiological and pathogenetic features. All aortic aneurysms are characterized by aortic wall structural changes that include loss of vascular cell functions and extracellular matrix remodeling. All those changes diminish aorta resistance leading to wall thinning and dilation. Current pharmacological therapies are neither specific and resolutive. Aortic diameter larger than 5 cm is still the only used eligible criterion for surgery, but scientific evidence reported complications also at smaller aortic sizes. Papers focused on the molecular/cellular changes underlying the pathogenetic mechanisms and disease progression are welcomed. This Special Issue aims to deepen our understanding of aortic aneurysms for the identification of new diagnostic and prognostic markers as well as innovative targeted therapies for a more personalized medicine. I look forward to receiving vour contributions.

### **Guest Editor**

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### Deadline for manuscript submissions

31 December 2025



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mdpi.com/si/224444

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Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in Biomolecules so far. We would be delighted to welcome you as one of our authors.

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