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New Sights of Biomechanics and Mechanobiology in Cardiovascular and/or Neurovascular

Guest Editors:

Dr. Zifeng Yang

Dr. Yan Zhang

Dr. Jun Yang

Dr. Hang Yi

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Message from the Guest Editors

According to the statistical report from the WHO, cardiovascular and neurovascular associated diseases have become one of the leading causes of death worldwide, and it is widely recognized that hemodynamic factors have a close relationship with the physiological and pathological conditions of such diseases. The recent progress of fundamentals and applications in in situ and/or in vivo and/or in vitro experiments, in silico-based numerical investigations, and machine-learning and/or deep-learning analysis based on big data obtained by medical images for the identification/quantification of vascular diseases has made significant contributions to transforming the current findings and innovations towards the facilitation of patient-specific clinical diagnosis and individualized surgical plans.

This Special Issue “New Sights of Biomechanics and Mechanobiology in Cardiovascular and/or Neurovascular” will publish original research and current review articles with new/better understanding of physiological and pathological fundamentals, cutting-edge findings, and innovative applications of biomechanics/mechanobiology in cardiovascular and neurovascular systems.



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Special Issue



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Editor-in-Chief

Prof. Dr. Anthony Guiseppi-Elie

Department of Biomedical
Engineering, Texas A&M
University, College Station, TX
77843, USA

Message from the Editor-in-Chief

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Bioengineering Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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