



## Microvasculature and Skeletal Muscle Crosstalk in Health and Disease

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Deadline for manuscript  
submissions:

**closed (31 January 2024)**

### Message from the Guest Editors

Skeletal muscle is a striking example of an organ that relies on the mutual communication of different tissue systems. Adequate perfusion in the terminal blood vessels ensures sufficient exchange of respiratory gases and substrates with the surrounding skeletal muscle fibers. Concurrently, skeletal muscle fibers send metabolic feedback signals to the microvasculature, inducing structural and functional adaptations at different levels of organization. In the *IJMS* Special issue, we will present an update on the various processes involved in this vascular/skeletal interplay. The focus of the original papers and reviews to realize the tissue crosstalk and adaptive remodelling that results. To increase coherence of the collection we invite articles on the following topics, but are open to additional approaches: 1. Impact of blood flow regulation on microvascular response, 2. arteriogenesis, 3. angiogenesis, 4. diffusion limits, 5. metabolism, 6. myokines and 7. pathologic dysregulation of the microvascular/muscle fiber interaction (e.g. muscle dystrophy, diabetes mellitus). Manuscripts from early career investigator are especially welcome.





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## Message from the Editor-in-Chief

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