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Fasciae from a Molecular and Biomechanical Perspective

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Message from the Guest Editor

Recently, we demonstrated that fasciae have specific receptors for endocannabinoids, for estrogen- α and relaxin-1, and that under such stimuli they alter the production of collagen types and hyaluronan. It is also known that diabetes can create a glycation of the collagen fibers in the plantar fascia and, as a result, alter the mechanical properties of the fascia. Besides, fasciae could be barriers to the spread of cancer, and their molecular/biochemical alterations could potentially affect the ability of a cancer to metastasize.

For this Special Issue, we aim to integrate studies on the following areas:

- Microscopic analysis of the various types of collagen and elastic fibers in fasciae (various types of fasciae and various situations (healthy or pathological));
- Studies about hyaluronan, which is one of the major components of the loose connective tissue inside fasciae;
- Effect of aging or training into fasciae;
- studies about the fascial innervation and how fascial inputs can effects brain dynamics
- studies that analyse the effect of the various physical and manual therapies into fascial tissue



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Special issue



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Message from the Editor-in-Chief

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