

Special Issue

Human Extracellular Matrix in Homeostasis and Pathology

Message from the Guest Editors

It is well established that complex intercellular interactions, as well as biomolecular and biomechanical cues from the extracellular matrix, dictate the growth and maintenance of all tissues through bidirectional signaling, mediated by the physical properties of the ECM along with its biochemical composition. Many cell culture models, including *ex vivo* organoids, have improved our understanding of ECM development and homeostasis; however, they do not replicate the complex microenvironment of the native ECM across individual tissue types. This Special Issue aims to explore current efforts used to bridge this gap in knowledge across multiple disciplines, including cell biology, genomics, biomechanical and biophysical characterisation, 3D cell culture, and bioengineered smart materials.

Guest Editors

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Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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