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## Study on Extracellular Matrix Remodeling

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Deadline for manuscript  
submissions:

**closed (31 December 2023)**

### Message from the Guest Editor

Dear Colleagues,

The extracellular matrix (ECM) is a complex of proteins and carbohydrates that supports structural and metabolic functions, from tissue morphogenesis/development to homeostasis maintenance. Some functions encompass isolating cells from organs and affecting hydrostatic tissue pressure; each organ's ECM composition is distinct and unique. The ECM's remodeling and hardening can also occur during chronic obstructive pulmonary disease, neurodegenerative diseases, and the progression and diffusion of cancer metastasis.

This Special Issue will focus on ideas and methods aimed at the characterization of the ECM's composition and role in disease; identification of ECM matrix isolation in vitro; new strategies for ECM regeneration; identification of animal models for in vivo experiments; next-generation sequencing and single-cell RNA sequencing analyses, proteomic analysis, bioinformatics data analysis and extensive data integration. Mathematical models and machine-learning approaches for understanding ECM remodeling and classification are welcome.

Dr. Luca Zammataro

*Guest Editor*



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**Special** Issue



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