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# Matrix Metalloproteinases in Health and Disease 4.0

Guest Editor:

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Deadline for manuscript submissions:
**closed (31 December 2023)**

## Message from the Guest Editor

Dear Colleagues,

Matrix metalloproteinases (MMPs) are members of an enzyme family that are critical for maintaining tissue allostasis. MMPs can catalyze the normal turnover of an extracellular matrix (ECM) together with other metalloproteinases such as the ADAMs (a disintegrin and metalloproteinase) and ADAMTS (a disintegrin and metalloproteinase with a thrombospondin motif) families. MMP activity is also regulated by a group of endogenous proteins, called tissue inhibitor of metalloproteinases (TIMPs). All these proteins have a pivotal role in normal physiological processes involving ECM remodeling, such as wound healing, embryogenesis, angiogenesis, bone remodeling, immunity, and the female reproductive cycle.

In the last few years, MMPs have been found to have an important role in the field of precision medicine, as they may serve as biomarkers that may predict an individual's disease predisposition, state, or progression.

The aim of this Special Issue is to explore the most recent findings in this field that may have an impact on healthcare systems.

We look forward to receiving your submission.

Prof. Dr. Raffaele Serra
*Guest Editor*

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