Special Issue

Transglutaminases: Regulation, Imaging, and Applications

Message from the Guest Editor

If form follows function, then transglutaminases are arguably some of the most important enzymes in biology. These enzymes contribute to the formation of the largest and most dynamic structures made by either single-cell or multicellular organisms. For example, transglutaminases crosslink the constituents of the cell walls encasing single cell creatures. Similar reactions result in the formation of the cornified envelope, bones, cartilage, and the extracellular matrix of multicellular organisms. The form of these structures profoundly affects the cells they encompass. And yet, this is just one aspect of the actions catalyzed by this remarkable group of enzymes. In the following Special Issue, we will review the current state-of-art concerning the role of transglutaminases in biological processes and how these might be imaged and regulated.

Guest Editor

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Deadline for manuscript submissions

closed (15 July 2024)

Biomolecules

an Open Access Journal by MDPI

Impact Factor 4.8
CiteScore 9.2
Indexed in PubMed

mdpi.com/si/188065

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Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

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