



Transglutaminases: Regulation, Imaging, and Applications

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Message from the Guest Editor

Dear Colleagues,

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.

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Guest Editor





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