



## Transglutaminase 2 and Cellular Functions

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### Message from the Guest Editors

Dear Colleagues,

TG2 is a widely studied enzyme, it was implicated in a growing variety of altered health states, not just celiac disease, but also neurodegenerative diseases, multiple sclerosis, and central nervous system injuries, among others.

The knowledge of the mechanisms through which TG2 participates in the various cellular functions, in particular those that trigger apoptosis or pathogenesis, could allow the design of future therapeutic applications. In this regard, the study of the biological effects of modulating molecules of the enzymatic activity of TG2 and/or of the effectors that are part of the cascade of events triggered arouses enormous interest.

Based on these premises, this monograph aims to broaden the knowledge of TG2 in health conditions and pathological states and the cellular functions in which it is involved. Studies that clarify the molecular mechanisms triggered by TG2, and also those focused on the identification of possible natural or synthetic modulators of the TG2 activity, are particularly welcome.





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