



SDI Review Form 1.6

Journal Name:	International Journal of Biochemistry Research & Review
Manuscript Number:	2013_IJBcRR_6363
Title of the Manuscript:	History and Biology of Transglutaminase 2: A Synopsis
Type of the Article	Review

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



SDI Review Form 1.6

PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	The text is informative, but very dry and while scientifically informative, reading it is very boring. One should try to make this text a bit more alive and entertaining. 1. From a title "History and biology of ..." one could expect that history will not be limited by three small paragraphs, but presented in more detail. Perhaps, it could be improved by extending the corresponding chapter and making the text more alive by introducing, for example, description of some significant events that took place during discovery of TG2 or characterize more colourfully people involved in these studies. In absence of such correction the word "History" should be excluded from the title. 2. TG2 performs a unique role in formation of hard tissues, such as nails, hair, etc. Some comment on that would provide an important illustration of a general function of this protein. 3. It seems that recently TG2 found an interesting application in food industry. One could mention this since such property of this enzyme could make its description quite distinct from many other reviews of many other proteins.	1. This is a synoptic review; and all necessary information pertinent to the series of events leading to the discovery of TG2 and other members of the transglutaminase family was adequately presented in the history. 2. The role of transglutaminase in hair and nail is mainly due to keratinocyte-specific transglutaminases, TG1 and TG3 as indicated in the review. 3. I agree with the reviewer on this one, and the changes have been made accordingly
Minor REVISION comments	Introduction: word uniqueness is used in line 5 and 6. Replace one with a suitable synonym. Ibid, what is so special about TG2 physiology? Line 14, this sentence looks incomplete. Line 50, the "in" is doubled. Line 308, tubulin	I agree with the reviewer's comment here, and the changes have been made and highlighted accordingly.



SDI Review Form 1.6

	Line 346, without prior necrosis Line 355, protects Line 356-357, hence regulating transcription of several... Line 364, is pro-apoptotic Line 368, remove"variously" Line 382, are substrates of various TG2-catalised reactions... So what? Line 390, alpha-synuclein Line 491, The universality of TG2 in many cellular physiologies.... This is not clear.	
<u>Optional/General</u> comments		