



PEER-REVIEW REPORT

Name of journal: World Journal of Biological Chemistry

Manuscript NO: 41963

Title: Last decade update for three-finger toxins: Newly emerging structures and biological activities

Reviewer's code: 00504466

Reviewer's country: France

Science editor: Ruo-Yu Ma

Date sent for review: 2018-09-26

Date reviewed: 2018-10-15

Review time: 19 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

Reviewer's comments (WJBC ID: 41963): The review article by Utkin actually corresponds to an overview and update on the widely-studied toxic three-finger toxins (TFTs) from snake venoms (Elapidae and other snake families). In my opinion, this is a



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nice, clear and well-written minireview, which should have a good impact in the field of animal toxins, especially snake TFTs. I have some minor comments/concerns on this manuscript, as follows: 1. One may regret that there are some 'lacks' of matter/details in the minireview (see abstract). This could be improved in a revised version of the manuscript; 2. As an update, the so-far characterized bioactivities (actions on ASICs, blood coagulation, etc.) of TFTs could be summarized in a figure; The same might be of interest for the potential applications of such TFTs (analgesics, treatment of diabetes, etc.); 3. Figure 1: N- and C-termini of TFTs might be highlighted on the figure, as well as the positions of the connected half-cystine residues; 4. Figure 2: what about the other disulfide bridge connections in these TFTs? 5. When appropriate, 'sequence' should be replaced by 'amino acid sequence' (or 'primary structure'), and 'residues' by 'amino acid residues'.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- The same title
- Duplicate publication
- Plagiarism
- No

BPG Search:

- The same title
- Duplicate publication
- Plagiarism
- No