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SDI Review Form 1.6

PART 1:

Journal Name:	International Journal of Biochemistry Research & Review
Manuscript Number:	**MS: 2012/IJBcRR/2593**
Title of the Manuscript:	**Chronological primacy of oxidative-induced neuronal damage in the pathogenesis of Alzheimer's disease.**

General guideline for Peer Review process is available in this link:
(http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline)

- This form has total 9 parts. Kindly note that you should use all the parts of this review form.

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PART 2: 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	In general, the themes are not described with sufficient detail for a present review. Moreover, the review describes several general aspects that have been previously revised by other authors. The objective of the review article is not well depicted either in the abstract or in the manuscript. The abstract should also be more focused. Importantly, some items are not updated. This is the case for example of recent evidences of Aβ-evoked immediate calcium rise through interaction with NMDA receptors (e.g. GluN1 and GluN2B subunits), and the role of ER. In this respect the review should be organized to include the several mechanisms of neurodegeneration into different sections. Many times the paragraphs include a single reference or simply one therapy; the latter makes the text less fluid. Finally, the authors should include a conclusion.	
Minor REVISION comments	Minor observations: • In page 4, line 89, the word 'tangels' must be replaced by 'tangles'; in page 14 (line 323) substitute 'repoted' by 'reported'; also substitute 'AD's disease' by 'AD' (page	

	16). Also check 'lethicin' (line 414, page 17). • Aβ is defined twice in page 5, lines 100 and 102, and then again in line 174. ROS are defined in pages 7 (line 155) and 12 (line 294). AD and PET are also described more than once. The abbreviations 'AD' and Aβ are often not used in the article. • Define 'AP' in line 164 (page 7). • The sentence ending in line 361 (page 15) seems to be incomplete.	
Optional/General comments	In the present review Estefan and co-authors describe Alzheimer's disease (AD) pathogenesis by approaching the mechanisms of neurotoxicity and oxidative stress events, including the role of aluminum. The authors also report some biomarkers currently used for AD diagnosis and further describe AD therapeutics.	

Note: Anonymous Reviewer