

OPEN PEER REVIEW REPORT 1

Name of journal: Neural Regeneration Research

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Title: Oxidative stress battles neuronal Bcl-xL in a fight to the death

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COMMENTS TO AUTHORS

This brief review provides a nice overview of the mechanisms by which Bcl-xl is regulated at multiple levels, a process which has relevance to protection from apoptosis. The utility of the review could be improved by two overview figures: 1) A diagram showing the known cellular location(s) of Bcl-xl protein and its binding partners in a basal (healthy) condition and in a condition of oxidative stress. 2) A diagram of the production of functional Bcl-xl protein, from gene to RNA to protein with summaries/depictions of the known regulatory mechanisms present at each step. These figures would help the reader appreciate the larger picture of the author's review.