

Date: April 08, 2022

Dear Prof. Warren C Ladiges

Greetings from India!

We would like to submit the enclosed manuscript entitled “**Translationally Relevant Systems Pharmacology of Ayurvedic Adaptogens**”, which we wish to be considered for publication in “*Aging Pathobiology and Therapeutics*”. No conflict of interest exists in the submission of this manuscript, and manuscript is approved by all authors for publication. I would like to declare on behalf of my co-authors that the work described was original research that has not been published previously, and not under consideration for publication elsewhere, in whole or in part. All the authors listed have approved the manuscript that is enclosed.

In this manuscript, we review the results of some methodological studies conducted to standardize stressed rodent bioassays for better understanding of quantitative systems pharmacology of Ayurvedic adaptogen, and to verify their usefulness for identifying bioactive constituents and biomarkers of *Withania somnifera* involved in their systemic effects. Potential uses of the experimental strategy and bioassays used in those studies for resolving reproducibility and replicability problem in drug research or biomedical translational research are also suggested. I hope this paper is suitable for “*Aging Pathobiology and Therapeutics*”.

We deeply appreciate your consideration of our manuscript, and we look forward to receiving comments from the reviewers. If you have any queries, please don't hesitate to contact me at the address below.

Thank you and best regards.

Yours sincerely,

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