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Feb 5, 2019

Dear Dr. Weldon

Re: Submission of the revised manuscript titled "A non-random mouse model for pharmacological reactivation of Mecp2 on the inactive X chromosome."

Thank you for your email of January 15th and forwarding us the editorial and reviewers comments. We appreciate the opportunity to revise the manuscript "A non-random mouse model for pharmacological reactivation of Mecp2 on the inactive X chromosome".

Please find enclosed the revised manuscript where we have addressed all the comments and issues raised by the reviewers. We have also included a rebuttal letter addressing point-by-point response to the reviewers and editorial comments. The revised manuscript accompanies the revised figures, Table and Table of Materials, and permission to use some of the previously published figures.

Here, we describe a protocol to generate a viable female murine model with non-random X chromosome inactivation, i.e. the maternally-inherited X chromosome is inactive in 100% of the cells. We also describe a protocol to test feasibility, tolerability, and safety of pharmacological reactivation of the inactive X chromosome in the brain of a living mouse.

Please let us know if any additional information is needed to facilitate the publication of the manuscript.

Many thanks for overseeing our manuscript.

Best Regards
Sanchita

Sincerely,

A handwritten signature in blue ink that reads "Sanchita".

Sanchita Bhatnagar, Ph.D