April 30, 2013

Dr. Michelle Kinahan, Ph.D.

Science Editor

Journal of Visualized Experiments

Dear Dr. Kinahan,

Thank you very much for your recent letter regarding our manuscript JoVE50716R1 'Functional interrogation of adult hypothalamic neurogenesis with focal radiological inhibition'. We are delighted that both you and the Reviewers consider our work of interest for the Journal of Visualized Experiments, and have rewritten the manuscript to address reviewer comments. We have re-arranged the figures as requested by the reviewers, and addressed all comments below, with our responses in bold font. The use of this approach for selective irradiation of neurogenic niches may have significant implications in revealing the functional role of new adult-born neurons on physiology and disease. Furthermore, the possibility for conceptual advance in multiple research disciplines is enhanced by the introduction and detailed description of this technique.

# Sincerely,

# Daniel Lee, Ph.D.

# California Institute of Technology

# Seth Blackshaw, Ph.D.

# Johns Hopkins School of Medicine