School of Medicine Logo Horiz

**Dr. Thomas Gould**

Assistant Professor

Department of Physiology and Cell Biology

University of Nevada, Reno School of Medicine Phone: (775) 682-8841

1664 N. Virginia St. Fax: (775) 784-6903

Reno, NV 89557 Email:tgould@medicine.nevada.edu

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To whom it may concern:

Enclosed please find our manuscript, entitled “***Ex vivo* imaging of cell-specific calcium signaling at the tripartite synapse of the mouse diaphragm**”, by Heredia *et al*., to be considered for publication in *JoVE.* This manuscript describes the methods to analyze the activation of the three distinct cell types at the tripartite neuromuscular junction using cell-specific targeting of genetically-encoded calcium indicators. We provide a protocol for generating the mice, dissecting the tissue, imaging the calcium responses, confirming these responses with electrophysiology, and processing the data with imaging software. We employ an image splitter to show dual-wavelength imaging could be used to image two distinct cell type responses simultaneously.

As I have to file for tenure this year, I would be most grateful if, dependent on a positive outcome of peer review, this article could be in press by July 31st, the day before the tenure submission deadline.

Sincerely,



Thomas Gould