



**Department of Physiology** 

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## To Whom It May Concern:

Please find enclosed our manuscript entitled "The role of TORC1 in muscle development in Drosophila" for review by Scientific Reports.

In this manuscript we have described the role of mTORC1 in the regulation of muscle formation both in vitro and in vivo. Using a combination of mammalian tissue culture and in vivo drosophila knockdowns, we have evaluated the role of inhibition and activation of mTORC1/dTORC1 in muscle function in flies. These studies support an important role for mTORC1/dTORC1 in myogenesis, muscle function and lifespan.

To assist in the evaluation of our manuscript we propose that the following reviewers in the area of mTORC1 in myogenesis be consulted; Diane Fingar, James Dowling and Markus Ruegg. In addition, we believe that Diego Rincon-Limas, Sokol Todi and Amit Singh would be excellent potential reviewers with respect to the Drosophila studies. There are no reviewers who we wish to exclude.

Best Regards,

Dave Bridges, Ph.D.

University of Tennessee Health Science Center