Dear Editor

We thank you for the opportunity to submit our scientific experiments for video publication in JoVE.

As discussed, our research focuses on ophthalmology with a particular emphasis on the vasculature and we submit the manuscript ”*Retinal cryo-sections, whole-mounts, and hypotonic isolated vasculature preparations for immunohistochemical visualization of microvascular pericytes*”.

Our manuscript provides detailed protocols on three different tissue preparation techniques for immunohistochemical visualization of rat retinal microvascular pericytes. The assessment of each methods potentials and weaknesses is important to select the optimal method for investigating the microvascular pericytes in specific disorders. We describe and discuss the advantages and shortcomings of each method for visualization of the microvascular pericytes.

We believe that our manuscript provides a useful set of tools for many other researchers in ophthalmology to select the appropriate retinal preparation method not just for pericyte visualization, but also for the research on the retinal vasculature in general.

This manuscript is not considered for publication in any other journal. All authors approve the manuscript and its submission to JoVE.

With kind regards,

Karin Dreisig