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August 9, 2018

Dear Dr. Wu,

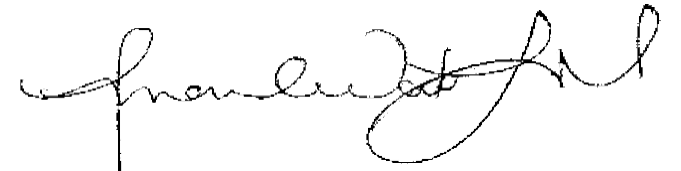
Please accept our revised manuscript entitled “Quantifying Leukocyte Egress via Lymphatic Vessels from Murine Skin and Tumors” for consideration for publication in *JOVE*.

We are thankful to the reviewers for their thoughtful review of our manuscript and include herein a point-by-point response to their comments and a revised manuscript with tracked changes. Notably, we have removed previously published data as per Reviewer #1s request. Additionally, we have addressed all editorial concerns with regards to the protocol, formatting, and have highlighted the relevant parts of the protocol for filming.

Importantly, this work demonstrates the utility of photoconversion for *in vivo* quantitative analysis of broad leukocyte migration from inflamed, infected, and malignant skin. Our comparison to the more broadly applied FITC paint is important to put this assay in context and allow for comparison with previously published literature. Future application of these techniques in the context of inflammation, infection, and tumors will provide important mechanistic insight into the molecular mechanisms that govern leukcoyte egress and the functional significance of egress to peripheral tissue inflammation and immunity.

We hope that you find our response to reviewers adequate for publication.

Sincerely,



Amanda W. Lund, PhD.



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