



**DEPARTMENT OF HEALTH & HUMAN SERVICES**

National Institutes of Health  
National Heart, Lung, and Blood Institute  
Bethesda, Maryland 20892

January 17, 2020

Dear Dr. Kyle Jewhurst and JoVE Editors

We submit to you our manuscript entitled, "Vascular Casting of Adult and Early Postnatal Mouse Lungs for micro-CT Imaging", for your review. In it, we outline a method for visualizing the pulmonary arterial vasculature. We refine existing procedures to establish a fluid and reproducible technique. Our method pushes tissue size and age boundaries to early postnatal mice which is helpful for developmental studies. Using the knowledge gained from the pulmonary procedure, we also briefly discuss casting alternate systemic vascular beds and some helpful tips to ensure success!

Thank you for considering our manuscript,

A handwritten signature in black ink, appearing to read "Beth Kozel", is positioned below the text "Thank you for considering our manuscript,".

Beth A. Kozel, M.D. Ph.D.  
Investigator and Lasker Clinical Research Scholar  
Director, Laboratory of Vascular and Matrix Genetics  
National Heart, Lung, and Blood Institute, National Institutes of Health  
[Beth.Kozel@nih.gov](mailto:Beth.Kozel@nih.gov); Phone: 301-451-2888