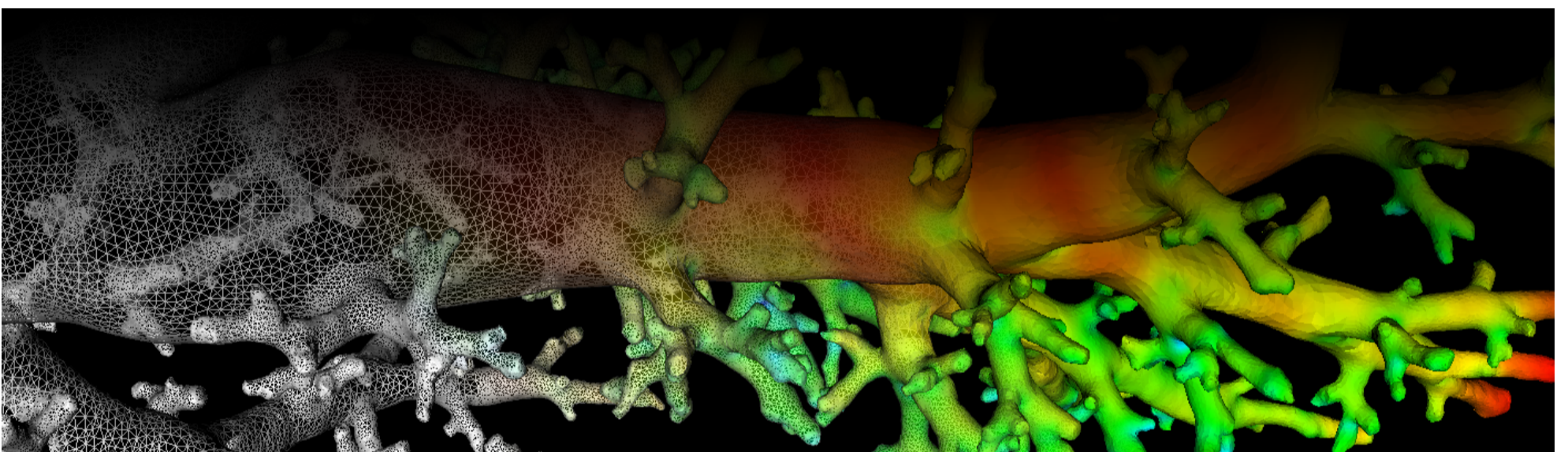# Lung Anatomy + Particle Deposition (lapd) Mouse Archive

for Modeling and Computational Toxicology

Citations & Data Usage Policy

About this website

Our objective is to facilitate modeling and computational biology approaches to study respiratory exposures to air pollution, occupational dusts, and tobacco smoke by providing high-resolution airway geometries and corresponding site-specific particle deposition data. We have developed all imaging and analysis methods required for this research project, and have done our best to faithfully present the data. We offer the data from its most raw form (individual lung slice images) to highly processed images and extracted data. We have strived to explain each method used to process the data. All users are welcome to use whichever level of processed data they wish, understanding that unintended but inherent biases may have been introduced through our decisions as to how to process and display the data.

Citations and Usage

Please be sure to include the following citations in your work if you use this data:

Data Citation	R. R. Beichel, R. W. Glenny, C. Bauer, M. A. Krueger, and W. J. Lamm: "Lung anatomy + particle deposition (lapd) mouse archive". University of Iowa, 2019. https://doi.org/10.25820/9arg-9w56

Other Publications Using This Data

We maintain a list of publications which leverage our data, including citations of this archive. If you have a publication you'd like to add or you want to contribute to this archive please contact us.

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