

Lung Anatomy + Particle Deposition (lapd) Mouse Archive for Modeling and Computational Toxicology

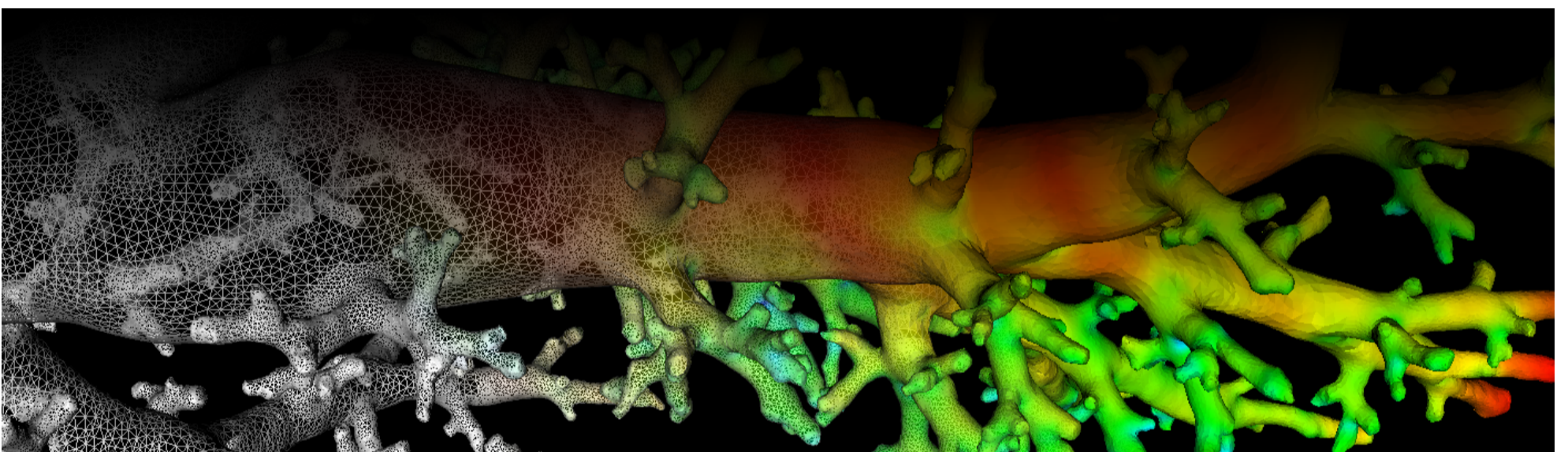


Table *_SublobesDeposition.csv

Aerosol deposition measurements for sublobar compartment.

The measurements table contains measurements for each sublobar compartment. The sublobar regions are represented by labelmap [*_Sublobes.nrrd](#). Related normalized aerosol deposition measurements are taken from [*_AerosolNormalized.mha](#). Each row contains the following information for a compartment:

- **label**: unique label of the compartment corresponding to region label in [*_Sublobes.nrrd](#).
- **volume**: volume of compartment in (mm³)
- **mean, sigma, median, min, max**: Aerosol deposition measurements for the compartment (average, standard deviation, median, min and max value)
- **count**: number of voxels in the compartment
- **centroidX, centroidY, centroidZ**: 3d center of gravity of the compartment
- **bbox...**: axis aligned bounding box around the compartment

label	volume	mean	sigma	n
4	88.8731	187.438	174.262	1
776	33.9773	173.322	175.141	1
584	154.868	128.697	1	
200	172.229	178.593	1	
972	1.441	1	1	
10	1	1	1	
12	1	1	1	
1170	1	1	1	
402	9.4	1.107	1	

Code Example

This example shows how to read and interpret deposition measurement tables. It explains the organization of the stored information, shows how to create simple visualizations, identify and plot information.

[CompartmentDepositionMeasurements.ipynb](#) hosted with ❤ by [GitHub](#)

[view raw](#)

Related Data Structures

[* Sublobes.nrrd](#) | [* AerosolNormalized.mha](#)

Related Code Examples

[CompartmentDepositionMeasurements.ipynb](#) | [imageLabelStatistics.cpp](#)

Updated: 7/24/19
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