We are currently labelling the data and want to examine some machine learning classifiers for classifying CF and non-CF.

Mouse B-Enac Study:

|  |  |
| --- | --- |
| File name | label |
| MAL\_006536\_XV\_wt.INSP.norm.ventilationReport | WT |
| MAL-006498\_XV\_tg.INSP.norm.ventilationReport | B-Enac |

What does INSP mean? Data are collected when the species breathing in.

Rat PA study:

|  |  |
| --- | --- |
| File name | label |
| 3510.WT.PA7.ventilationReport | WT |
| 3550.KO.PA7.ventilationReport | KO |
| 3566.CF.PA7.ventilationReport | CF |

KO simulates a different disease.

What is PA7, PA14, PA21 mean? Day 7, Day 14, and Day 21

Mouse MPS study:

|  |  |  |
| --- | --- | --- |
| Rat\_ID | Genotype | label |
| 415 | WT | WT |
| 419 | MPS I | MPS I |
| 437 | Het | WT |

MPS simulates a different disease.

Het can be labelled as WT.

Sheep Asthma:

What does Pre and Post mean?

Pre: before adding dust mite Post: After adding dust mite

What does A and B mean?

A means Pre, B means Post

What are control and HDM?

HDM is dust mite

For Control, instead of adding dust mite, we add another things that will not cause Asthma as a control.

Differences in the pdf and csv files? Dr. Ronan will try to find the missing csv.

Tidal Volume are different? May be due to different age and weight, but it is not very interesting for detecting CF.