<https://metaspace2020.eu/project/tu-2021>

- 26 datasets, 24 from human bladder will be used, 14 Normal + 10 Tumor, 12/12 obtained from positive/negative mode

- Publication: <https://doi.org/10.1007/s11306-021-01819-x>

Data visualization and normalization performed in MSiReader v1.02

t-SNE + LASSO (trained with “glmnet” package v4.1, R)

ASMS2022 Poster WP304: A Novel Approach to Evaluating Disease Risk Through the Incorporation of Machine Learning and Lipidomic Data

- 20 samples for each label

- (1) LASSO (2) random forest (3) SVM

Implementing the methods in the poster with Tu’s data (maybe random forest + SVM)

- Expected results will be distinguishable risk score heatmaps and distributions for normal and cancerous tissues (Figure 6, 7)

- Concern: evaluation – is ROC curve enough?