

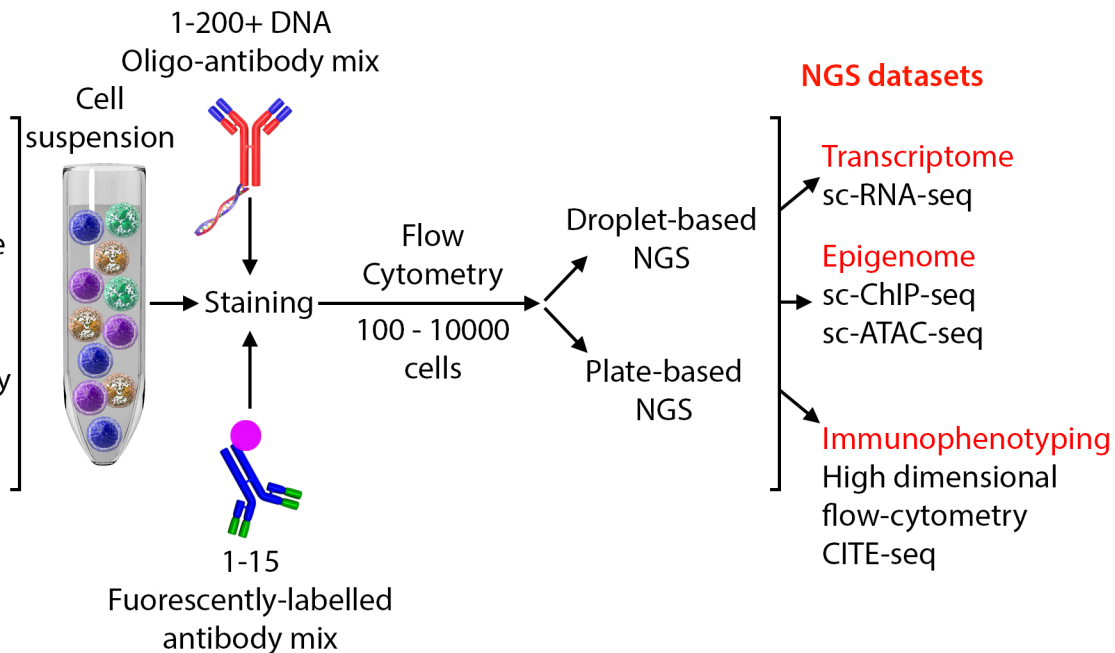
Chronic Airway Diseases

Allergic Rhinitis
Asthma
Bronchiectasis
COPD
Cystic Fibrosis
Interstitial Lung Disease
Pneumonia
Tuberculosis



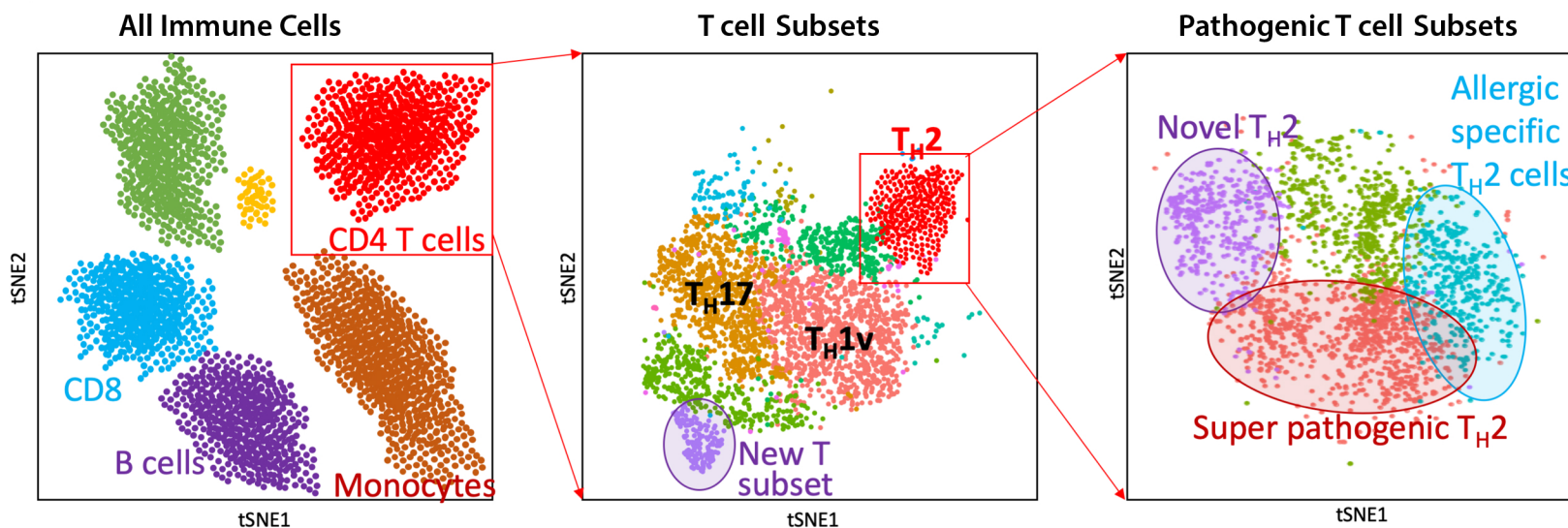
Clinical Samples

Nasal brush & lavage
Bronchial alveolar lavage
Bronchial brushing
Bronchial biopsy
Lung parenchyma biopsy
Lymph nodes
fine needle aspirate



Resolution & Dimension

Computational Integration



< 5 cell surface markers

- Microscopy
- Flow cytometry
- Sequencing

5 to 15 markers

- Flow cytometry
- Mass spectrometry (CyTOF)
- Sequencing

Up to > 5000 markers

- Sequencing

Discovery