

# RESPIRATORY

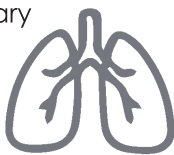


## Biomarker Bay

With an extensive network of collaborations and an effective use of combined knowledge and state of the art facilities, BiomarkerBay offers a comprehensive portfolio of biomarker services, supporting in each step of your research in the field of Respiratory diseases.

### THERAPEUTIC FOCUS

- Chronic Obstructive Pulmonary Disease (COPD)
- Asthma
- Lung cancer



### CLINICAL STRENGTHS

- Research Institute for asthma and COPD
- Biomarker Development Center
- Key clinical experts in the Respiratory field
- Multidisciplinary translational studies
- Experience with biomarker discovery
- Experts in patient phenotyping and stratification
- Genetic studies of asthma and COPD
- Biomarker research in Phase I and Phase II clinical trials

*“We assist and support in each step of the biomarker workflow”*

# RESPIRATORY

## PRECLINICAL CAPABILITIES

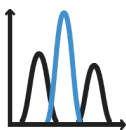
- Preclinical testing for asthma, COPD, smoked-induced COPD
- Microdialysis in lungs
- Cell interactions studies in sputum, airway and lung tissues
- Genetic studies, translational research

## SAMPLE COLLECTIONS

- Patient cohort studies in asthma, COPD and severe COPD
- Large-scale intervention studies
- Possibility of de-novo sampling in patients
- Biomarker discovery in general population biobank (165.000 subjects)
- Matrices: cells, tissues, BALF, plasma, urine, DNA, RNA, sputum

## BIOANALYTICAL SOLUTIONS

- **Respiratory assays specialties:**
  - Fibrinogen in plasma
  - Desmosine & isodesmosine in urine
  - Survivin protein in serum
  - MMP-9 in BALF
  - Histamine metabolites in urine
  - Inflammatory markers
  - Soluble RAGE
- Validated assays available in primary cells, lung tissue, microdialysates, BALF, sputum, plasma, urine, exhaled breath



Interested in our biomarker portfolio?  
Get in contact with us!

[www.biomarkerbay.com](http://www.biomarkerbay.com)