The BioMaterialBank Nord (BMB Nord) is run by the Research Center Borstel, the LungenClinic Grosshansdorf, the III. Department of Medicine – Pulmonology and the Section of Pediatric Pulmonology and Allergology at the University Hospital Schleswig-Holstein, Campus Lübeck. The BMB Nord is member of the PopGen 2.0 network and the Airway Research Center North (ARCN), member of the German Center of Lung Research (DZL) and active in the German Center for Infection Research (DZIF). A cooperation treaty of the BMB Nord describes regulations, steering committee, advisory board, duties and rights.

Within the ARCN the BMB Nord supports especially the studies of the Disease Areas Lung Cancer, COPD and Allergy Asthma concerning ethical issues, sample/data administration and storage. Furthermore, the BMB Nord serves as healthcare integrated biobank collecting samples based on a broad consent of the donors.

The departments named above perform at least 1500 BALs and thorax surgeries resulting in more than 400 lung tissue samples per year. The spectrum of lung disorders ranges from lung cancer, COPD, asthma, interstitial lung diseases and rare diseases to infectious diseases like tuberculosis.

**BMB Nord currently comprises the following specimens:**
- BAL cells and fluid
- HOPE tissue samples
- FFPE tissue samples
- fresh-cryopreserved lung tissue and tumor sample sets (surgical/biopsies)
- blood samples and derivatives
- sputum samples
- primary cell cultures
- extracted nucleic acids
- multi tissue arrays
- pathogens and derivatives