Biobanks at site CPC-M:  
CPC-M Biomaterial Archive &  
Asklepios Biobank for Lung Diseases

Team:

CPC-M Biomaterial Archive

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Biobank-characteristics:

Structure: The bioarchives at CPC-M comprise two sites working hand in hand: The CPC-M Biomaterial Archive in Munich Grosshadern and the Asklepios Biobank for Lung Diseases in Gauting. The framework of the two sites is given by the three partners, the Ludwig-Maximilians University Hospital, the Asklepios Clinic in Gauting and the Helmholtz Zentrum Muenchen. The bioarchive committee ensures quality management of high standard procedures and processes requests for routine sample handling as well as ongoing and future studies, all approved by the local ethics committee.

Patients: Both facilities collect tissue and liquid samples from patients with a well-defined spectrum of lung diseases focussing on interstitial and chronic obstructive lung diseases, asthma and lung cancer. Patient cohorts span from neonates and children to adults with and without lung transplantation. The successful implementation of a high-end clinical database (Phenostrata) ensures complete clinical phenotyping amended by comprehensive imaging studies at the Institute of Clinical Radiology.

Sample processing: After full informed consent, samples are processed using standardized procedures including primary cell extraction, whole lung tissue section culture, preservation in RNAlater and standard tissue conservation in liquid nitrogen ensuring availability of high quality.