Hannover Unified Biobank (HUB)

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Biobank-characteristics:
The Hannover Unified Biobank (HUB) is the centralized, harmonized, modern and unified biobank of MHH and DZL site BREATH. Located in the new CRC building, HUB is equipped with professional biobank infrastructure as sample processing robots, automated -80°C repository and liquid nitrogen tanks with a storage capacity for millions of samples. High grade of automation in pre analytics and sample storage allow standardized biobanking on a high level. Pseudonymization, a data safety concept and a quality management assurance provide high sample and data safety. Sample and clinical data are stored in a safe BIMS (Biobank Information Management System). With 2D barcode sample identification and sample tracking during all steps of processing and storage, HUB achieved highest biobank requirements.

All kinds of biomaterials (body liquids, tissue, cells, DNA/RNA und microorganism...) of human and animal origin are stored and processed by HUB.
As the clinical biobank of MHH, HUB serves all clinical and research departments of MHH and BREATH.

IN BREATH, HUB supports especially the collections of Lung-Tx, KIRA, CAPNETZ, ABACOPD, CF-sibling studies, CF-DNA-BB, PH-BB, diverse asthma studies in sample / data storage and administration.

HUB is also involved in many national and international consortiums and studies as National Cohort, DZIF/DZIF-TX cohort, IFB-Tx, IMI COMBACTE, BMBF Probase, Hepnet, Rebirth etc.