

## Platform Framework Clinical Translational Sciences

### Preamble:

In order to close the gap between basic research and clinical application, a better translation of research results to the bedside is of central importance. Patient-oriented research must make a significant contribution here, e.g. by testing the effectiveness of new approaches to prevention and therapy (bench to bedside) in observation cohorts, but also in clinical studies in phases 1 to 3, or by identifying new experimental research approaches (bedside to bench, e.g. genome-wide association studies). The platform should provide a good infrastructure for access to well characterized patient collectives and their samples, but it is also a place for the scientific further development of existing methods, e.g. in the fields of epidemiology, biostatistics, etc. The platform should also be a platform for the development of new methods in the field of epidemiology. It offers services and supports clinical-translational research projects.

**Vision:** Development of the Charité in close cooperation with the BIH and the MDC into an internationally visible location for clinical translational sciences through:

- The initiation and implementation of innovative, high-quality clinical studies and cohort studies based on ideas from basic and clinical research.
- The provision of a service infrastructure for a wide range of studies
- The development of innovative tools and methods for clinical-translational research
- The promotion of accompanying mechanistic studies with close involvement of the basic sciences
- Targeted training programs in clinical-translational science

**Mission:** Networking and harmonization of existing clinical-translational structures at the participating institutions. In addition, the creation of complementary structures and the integration of new competencies should lead to further development. The aim is to create a clinical-translational research and service platform of BIH, Charité and MDC, which:

- fulfils a pilot function via a single point of entry
- is transdisciplinarily oriented
- links basic and clinical research
- integrates BIH core facilities, programs and other platforms
- develops new training paths from existing education modules
- establishes a network with regional, national and international academic institutions and technology and pharmaceutical companies

**Areas of activity:**

- Trial Management/Services
- clinical trials
- clinical development
- Clinical epidemiology
- biometrics
- Exploitation/IP
- industry cooperation
- biomarkers
- Laboratory management/Biobank
- Further training (GCP courses, etc.)
- Legal Contracting
- IT expertise
- ...

**Figure 1 - Possible structure of the Platform Clinical Translational Sciences**

