

Software for efficient data-management in the cross-border Biobank

To provide the efficiency of the BONEBANK stem cell biobank, one objective of the project is connecting the IT infrastructure of the participating sites, thus allowing for convenient work with the shared data. The software used for this purpose should identify the samples from the BONEBANK project and describe their characteristics and qualities in specific parameters. Pseudonymous records are managed together so that relevant information about the donor samples can be found through structured searches.

Secure and user-friendly

The company soventec has developed the Software Lab OS® system for managing the internal and external processes of a biobank. The task of the BONEBANK project is now to extend and adapt this software system, so that the IT-infrastructure allows for the shared data management present in the German-Danish biobank. The international sample-data should be both securely administered and accessible in a user-friendly way. The other project partners accompany this software development by continuously feeding-in the requirements arising from practical use in their every-day work. An adapted version of LAB OS® could first be provided by soventec.

Collaboration towards unified documentation

The Schleswig-Holstein-based company has set up a database on a server in a German data-centre for the duration of the project, to which the project partners in Odense and Lübeck have access. The great challenge of the moment is to determine the relevant and concise parameters; which parameters are absolutely necessary for the characterisation of the collective samples? Which can be neglected, so that the burden of data-entry is not too great, and that the rules regarding the pseudonymisation of the data are not broken? This balance is a particular challenge in transnational co-operation, but nonetheless an essential prerequisite. The result is a common input-screen for the uniform documentation of the sample data.

Contact: Christina Bober, soventec GmbH, christina.bober@soventec.de