



Newsletter No. 7

The mission of BONEBANK is to harvest, store and prepare stem cells for further research use in bone healing. The project has entered its extension phase and faces new goals accessible at www.bonebank.eu/project. The results will be presented at the final conference that will take place on Thursday, the 20th of August 2020 from 10:00 to 17:00 at Stryker Trauma GmbH in Schönkirchen, Germany. Read & hear the latest news on the project.

IT training for BONEBANK datacenter



28.1.2020 – The IT training for the BONEBANK Data Centre took place in Lübeck on January 27, 2020. Kai Diercks and Christina Bober, from soventec, trained the persons who will work with the database that contains the stem cell samples. They explained the structure and use of the central IT solution (BONEBANK DB): How do I create specific templates? How do I set up users and assign access rights? And above all: How do I search for specific parameters of the stored samples? These training courses are the prerequisite for using the biobank effectively. In addition, the high standards of data security are met. The EU's General Data Protection Regulation is applicable.

"Competence Atlas" developed for BONEBANK

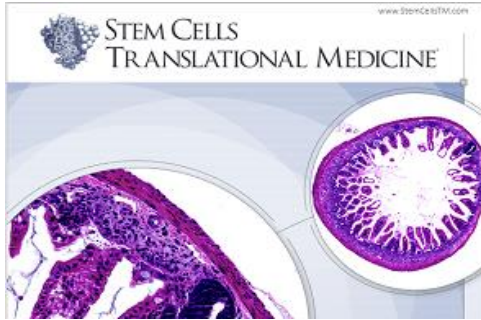


10.12.2019 – There are many companies and institutes in the German-Danish border region that are involved in stem cells, bone healing and related therapies. In order to link these regional competences more closely, the project partner Life Science Nord has developed an online search function. The function is implemented in the already existing cooperation portal LSN XCHANGE of the project partner.

Based on keywords in this area, users will receive information on further focal points and contact possibilities of the organisations in order to find the right cooperation partner in the North. Register free of charge at www.lsnxchange.de to take advantage of these regional competencies. The BONEBANK Competence Atlas can be found on the homepage after login.



Research paper published in Translational Medicine journal



23.11.2019 – Our project partners from the University Hospital in Odense have published the results of their clinical study in the journal STEM CELLS Translational Medicine. The research paper is about the relationship between cell morphology and stem cell functions. The title is 'Single-cell high content imaging parameters predict functional phenotype of cultured human bone marrow stromal stem cells'. The

scientists have identified selection criteria for bone marrow stem cells that can be used in future studies to promote bone regeneration. The study was conducted as part of the BONEBANK project. Congratulations to Justyna Kowal, Hagen Schmal and Moustapha Kassem! The publication is available at

<https://stemcellsjournals.onlinelibrary.wiley.com/doi/full/10.1002/sctm.19-0171>.

STEM CELLS Translational Medicine is a monthly, peer-reviewed journal which works to advance the utilization of cells for clinical therapy and bridges stem cell molecular and biological research.

Chinese Delegation meets BONEBANK



07.10.2019 – In early October 2019, the Dean of the Medical School at Tsinghua University visited our project partner Life Science Nord, accompanied by representatives of the ZhengZhou Life Science Cluster. The ZhengZhou Life Science Cluster is a new initiative to build a campus in cooperation with the Tsinghua University. The BONEBANK project was also presented during the visit and received great interest from the Chinese side. The Tsinghua University

is one of the most prestigious universities in the world. The associated university hospital has over 10,000 beds.

Vision in Video



19.06.2019 – Christina Bober from project partner soventec has created a short video to explain in a simple way their vision of how sample data of cell products is shared between different hospitals via the BONEBANK data centre. soventec is developing a software to connect all hospitals that are involved in the BONEBANK project via special IT-solutions. Within these processes 'data protection and data security are of great importance', as executive director Kai Diercks states. [To the video](#)



BONEBANK at the Europe Biobank Week in Lübeck!

EUROPE BIOBANK WEEK

05.08.2019 – Three of our partners, Regina Mauhagen, Giulia Facchinetti, and Timo Gemoll, successfully submitted their abstracts to the renowned Europe Biobank Week 2019 which took place from October, 8th to 11th in Lübeck. Regina gave an oral presentation about the topic “The German-Danish Interreg project BONEBANK aims to establish a GMP-conform bone marrow mesenchymal stem cells workflow for regenerative medicine”. Giulia hold a poster presentation about the topic „Influence of cryopreservation on bone cells quality parameters”. Timo Gemoll presented orally the “Use of high-resolution liquid-chromatography-tandem mass spectrometry to determine sample quality in hospital integrated biobanks” including data from the BONEBANK consortia. [To the conference website](#)

First project meeting in Schleswig



12.06.2019 – The first joint project meeting of the BONEBANK extension phase took place on June 12 in the rooms of the Chamber of Industry and Commerce in Schleswig. The meeting focused primarily on workshop sessions in which focal topics and main challenges were addressed with the aim of developing systematic approaches to tackle these challenges. BONEBANK’s extension phase is all about the consolidation of the existing results, the foundation of a BONEBANK organisation, the development of a GMP compliant novel cell product, the establishing a competence atlas and to make BONEBANK sustainable after the end of the project.

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Save the date: Final conference of BONEBANK

- Thursday, 20th of August 2020, 10:00 to 17:00
- Stryker Trauma GmbH in Schönkirchen, Germany

Project Facts

- 6 partner organisations and 3 network partners
- Duration: September 2015 – August 2020
- Budget: 3.9 mio. Euro, thereof 2.21 mio. Euro funding
- Lead partner: University Medical Center Schleswig-Holstein, Campus Lübeck
- BONEBANK is funded by Interreg Deutschland-Danmark with means from the European Regional Development Fund (more: www.interreg5a.eu)