



BONEBANK

Newsletter No. 6

BONEBANK developed a German-Danish biobank for stem cells in bone regeneration till February 2019. An extension phase from March 2019 until August 2020 is approved. The project partners presented their project achievements so far during the BONE INNOVATION SUMMIT 2019.

BONE INNOVATION SUMMIT 2019

How can bone healing be improved? Which goals are to be achieved for imminent research? And what opportunities can be developed to solve existing challenges? Those were only few questions faced by the participants at the Bone Innovation Summit 2019. The international conference took place at the media docks in Lübeck, Germany from 13 - 14 February. It was hosted by BONEBANK together with the BFCC project and the Northopedics network.

Read more www.bone-innovation-summit.com

In several sessions, researchers and stakeholders from industry elaborated current issues and questions on bone healing including inspiring and future-oriented speeches. The BONEBANK's project partners presented their results gained during the project's lifetime:

What is BONEBANK's unique selling point?



Arndt Peter Schulz, University Medical Center Schleswig-Holstein - Campus Lübeck

Lead partner Arndt Peter Schulz introduced the idea and the goals of developing a biobank for stem cells in bone regeneration through the BONEBANK project. The unique approach: to harvest this high potential biomaterial during routine surgeries. Otherwise, the material would be discarded as waste.

[Click here for his presentation.](#)

Development of a transport chain and concept for an injection device



Lina Nießen, University Medical Center
Schleswig-Holstein - Campus Lübeck

Lina Nießen presented the developed transport chain, which includes all steps from extraction of the stem cells to injection in the bone defect. Furthermore, she revealed a concept of a new injection device. This was created for a better handling.

[Click here for her presentation.](#)

Data management for a cross-border bio database



Christina Bober, soventec GmbH

What data will be provided within the cross-border database and how to connect the IT infrastructure of the locations involved for easy access to the joint data? During the BONEBANK project, a common data set was generated. Christina Bober from soventec GmbH described how the samples are managed with the specially developed software.

[Click here for her presentation.](#)

Analysing the isolated stem cells



Justyna Magdalena Kowal, Odense University Hospital

Justyna Magdalena Kowal presented the outcome of the main research goals of the project. The results from the research-part show that material collected from routine orthopaedic surgeries can be a sufficient source of potent stromal (mesenchymal) stem cells. The cells that were successfully isolated from bone marrow were assessed for their quality by a number of various in vitro assays which characterises their biological properties. The cells met all criteria for potent stromal (mesenchymal) stem cells.

Project Facts

- 5 partner organisations
- 2 network partners
- Duration: September 2015 – February 2019
Extension phase: March 2019 – August 2020
- Budget: 2.4 m Euro, thereof 1.34 m Euro funding
- Lead partner: University Medical Center Schleswig-Holstein, Campus Lübeck
- Supported by the European Regional Development Fund (more: www.interreg5a.eu)

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