



Stem cells for bone regeneration: Conference on state-of-the-art

The BONEBANK project has organised the international conference 'Stem cells for bone regeneration: State-of-the-art research and solutions' on 22nd of September 2016 in Odense, Denmark. The conference presented an updated overview of the bone marrow skeletal stem cells (also known as mesenchymal stem cells, BM-MSCs) research and their potential use in therapy. The invited speakers focussed on the most recent BM-MSC research, innovation and application in regenerative medicine.

Issues related to cell and tissue biobank establishment and regulations of stem cell therapies in Europe were also discussed. The goal was to create an interdisciplinary forum for open discussion between academic and health institutions, companies and society regarding the future use of BM-MSC in therapy and the challenges of transferring basic research discoveries into clinical translation.

The meeting was open to researchers, public and private biobank operators, members of the life science industry, medical professionals and students as well as for people with a general interest in stem cell research.

The meeting provided a unique opportunity to familiarise oneself with stem cell basic research and clinical application.

Speakers:

- Moustapha Kassem, Odense University Hospital, Denmark
- Arndt Peter Schulz, University Hospital Schleswig Holstein, Germany
- Roman Nassutt, Stryker Trauma, Germany
- Richard Oreffo, University of Southampton, United Kingdom
- Christian Jørgensen, Montpellier University Hospital and Hospital Lapeyronie, France
- Anne Fischer, University of Copenhagen, Denmark
- Matthias Løhr, Karolinska Institute, Sweden
- Christian Clausen, Bioneer, Denmark

See below the complete programme.

Practical information

- Date: Thursday, 22 September 2016
- Time: 10:00 h – 18:00 h
- Venue: Odense Adelige Jomfrukloster, Albani Torv 6, 5000 Odense C, Denmark
- Host: Odense University Hospital, BONEBANK project partner
- No fee
- Online registration needed until September 12th: <http://bit.ly/1Vfkwdj>

Background

In the German-Danish Interreg project BONEBANK experts are working together to develop a unique value chain in the region: from the innovative extraction of bone marrow stem cells and their storage in a cross-border biobank to the use by regional research institutions and companies.

The project is funded within the framework of the Interreg programme Deutschland-Danmark 2014-2020. Five partner organisations from Denmark and Germany are working together for 36 months and with a total budget of about EUR 2.4 million.

Impact on the Cross-border Region

- Regional R&D expenditures and investments by the public sector and companies
- Cross-border competence cluster on stem cell-based research and innovation for regenerative medicine and bone healing
- Strengthened life science sector for development of novel products and therapies for regenerative medicine

Contact Lead partner

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Open Conference “Stem cells for bone regeneration: State-of-the-art research and solutions”

22nd of September 2016 | Odense, Denmark

Programme

- 9:30 Registration of participants.**
Coffee, juice and fruits
- 10:00 Welcome
Moustapha Kassem, Odense University Hospital, Denmark
- 10:15 Skeletal stem cells for bone tissue regeneration
Richard Oreffo, University of Southampton, United Kingdom
- 11:00 Coffee break**
- 11:30 Mesenchymal stem cells for osteoarticular diseases: where do we stand?
Christian Jørgensen, Montpellier University Hospital and Hospital LaPeyronie, France
- 12:15 Mesenchymal stem cells in clinical trials on fat grafting, multiple sclerosis and radiation-induced xerostomia
Anne Fischer, University of Copenhagen, Denmark
- 13:00 Lunch break**
- 14:00 Encapsulation of cell for therapy: gene directed enzyme prodrug therapy
Rainer Heuchel, Karolinska Institute, Sweden
- 14:45 Possibilities and pitfalls for the harvesting of bone material during routine operations in orthopaedics
Arndt Peter Schulz, University Hospital Schleswig Holstein, Germany
- 15:30 Coffee break**
- 16:00 Current regulatory and technical requirements in systematic development of medical devices - general and specific implementation activities in the BONEBANK project
Roman Nassutt, Stryker Trauma, Germany
- 16:45 Stem cells – hypes and hopes in their use for pharmaceutical disease modelling
Christian Clausen, Bioneer A/S, Denmark
- 17:30 Summary and next steps in the future
Arndt Peter Schulz, University Hospital Schleswig Holstein, Germany
- 18:00 End of conference**