Organizers

Cluster MedizinTechnik.NRW

In 2011, the state of North Rhine-Westphalia (NRW) started the "Cluster MedizinTechnik.NRW" as part of the state cluster strategy. It will be financed by the "NRW-EU-Ziel-2-Programm" for an initial period of three years and is assigned to the Ministry of Innovation, Science and Research of the state of NRW. The main objectives of the NRW cluster policy are to network a variety of stakeholders at different levels of innovation and promote a favourable scientific and economic environment for innovation. Another main focus of the cluster strategy is to initiate cooperation beyond national borders. In addition, there is a need to tailor research and development in the field of medical technology to the needs of users in daily practice.
www.medizin-technik-nrw.de

German Society for Biomedical Engineering (DGBMT) within VDE

The DGBMT promotes co-operation between scientists, engineers and physicians in the fields of research, development, application and teaching. It supports the exchange of knowledge between various disciplines of biomedical technology and seeks to accelerate the transfer of new technologies into medical application. The DGBMT is a society of the VDE Association for Electrical, Electronic & Information Technologies.
www.vde.com/dgbmt

Supported by:

Ministry of Innovation, Science and Research of the German State of North Rhine-Westphalia

Registration

www.vde.com/bme-eu
(Closing date: June 14, 2013)

Attendance is free of charge.

Venue

Representation of the State of North Rhine-Westphalia in the European Union, Rue Montoyer 47, B - 1000 Brussels
Metro 2 and 6, station: Trône/Troon

Contact

DGBMT im VDE e.V.
Stresemannallee 15, 60596 Frankfurt
Tel.: +49 (0)69 6308-348, E-Mail: dgbmt@vde.com
www.vde.com/dgbmt

EUROPEAN UNION
Investing in our Future
European Regional Development Fund

MedizinTechnik. NRW Cluster Nordrhein-Westfalen

Invitation & Program

Biomedical Engineering
Excellent Perspectives for Health and Innovation in Europe

June 26, 2013, starting 16:45
Representation of the State of North Rhine-Westphalia in the European Union
Brussels, Belgium

DGBMT GERMAN SOCIETY FOR BIOMEDICAL ENGINEERING WITHIN VDE

VDE

ExcellenceNRW Cluster North Rhine-Westphalia

Ministry of Innovation, Science and Research of the German State of North Rhine-Westphalia

Biomedical Engineering

Ladies and Gentlemen,

In modern healthcare, the quality of patient care is significantly influenced by technological progress. Biomedical engineering is the discipline at the foundation of the entire range of health technologies, and thus contributes to maintaining health for the European citizens. The interdisciplinary cooperation of physicians, engineers, and scientists opens up new possibilities in both, medical diagnosis and treatment, as well as disease prevention and rehabilitation. One of the biggest challenges in biomedical engineering is the translation of research into medical devices that show a clear clinical benefit for the patient and the care system as a whole. In addition, new technological approaches must be transferred into successful commercialisation. One of the current "hot topics" in biomedical engineering are personalised medical devices. Prominent examples are customized implants, individualised telecare approaches, or image-guided individualized intervention and disease staging. However, to translate and to transfer these concepts into clinical applications and medical products various hurdles have to be overcome.

It is the focus of this event:
- to demonstrate that biomedical engineering is an innovative area of R&D that offers a high medical and commercial potential,
- to identify the support that is needed to successfully translate and transfer research into medical products,
- to discuss how biomedical engineering can play a significant role within EU innovation policy.

In the light of the current challenges of health systems, in particular the demographic change and increasing costs, it will be of high importance to fully utilize the potential of technological innovation for the benefit of the individual patient. We are looking forward to an exciting discussion about the European perspective on biomedical engineering.

Dr. Oliver Lehmkühler
Cluster Manager MedizinTechnik.NRW

Dr. Cord Schlötelburg
Head of German Society for Biomedical Engineering (DGBMT) within VDE

Program

16:45 **Welcome address**
Rainer Steffens
Head of Representation of the State of North Rhine-Westphalia, Brussels, BE

Dr. Oliver Lehmkühler
Cluster Manager MedizinTechnik.NRW, Düsseldorf, GE

17:15 **Biomedical Engineering - A Personalised Approach**
Prof. Dr. Thomas Schmitz-Rode
Director, Chair of Applied Medical Technology, University of Aachen, GE

17:30 **Personalised Medical Imaging - The Case of MRI**
Dr. Olaf Such
Global Head of Clinical Science MRI, Philips Healthcare, Best, NL

17:45 **From the Idea to the Patient: Where are the hurdles in Biomedical Engineering Innovation?**
Prof. Dr. Birgit Glasmacher
President of the European Alliance for Medical and Biological Engineering & Science (EAMBES), Brussels, BE

18:00 **Biomedical Engineering in the Context of Health Research**
Dr. Arnd Hoeveler
Head of Unit, Advanced therapies and systems medicine, Directorate General Research and Innovation, European Commission, Brussels, BE

18:15 **Biomedical Engineering and ICT**
Robert Begier
Unit Health & Well-being, Directorate General Communications Networks, Content & Technology, European Commission, Brussels, BE

18:30 **Get together and buffet**

Event organization:
German Society for Biomedical Engineering (DGBMT) within VDE as a partner of the Cluster MedizinTechnik.NRW