Module 5: Funding 25 September 2014
Präsentationen in deutscher Sprache, außer wo anders vermerkt.

08:00 Eröffnung / Begrüßung
08:05 Horizont 2020: Öffentlich zu EU-Fördermöglichkeiten für die Lebenswissenschaften
Doris Bieß, Projektleiter im DDR, Europäische und intern. Zusammenarbeit, Nationale Kontaktstellen KMU und Lebenswissenschaften, Bonn
09:40 EU-Förderprogramme mit besonderer Eignung für Unternehmen und das neue KMU-Instrument
Doris Bieß, Projektleiter im DDR, Bonn
10:10 Möglichkeiten für Cross-border Coopération mit Partnern in Nord-Sibirien (in English)
Niklas Helmut-Peterson, Innovation Centre Denmark, München

Room AM 2: Computer-Assisted Surgery
14:00 Clinical Application of Liver Surgery Planning
Andreas Scholz, Fraunhofer MEVIS, Bremen

14:30 Soft Tissue Navigation – On the Way to Clinical Routine
Benjamin Haas, Varian Medical Systems, Baden, Switzerland

15:00 Surgical Experience in Soft Tissue Navigation
Markus Kleemann, Universitätsklinikum Schleswig Holstein, Lübeck

15:30 Refreshments, exhibition

16:00 Computer-Navigated Radiotherapy
Stefan Wirtz, Fraunhofer MEVIS, Bremen

16:30 Computerized Image Analysis for Effective Radiotherapy
Benjamin Haas, Varian Medical Systems, Baden, Switzerland

17:00 Can a Simple Tool Change the Face of Radiotherapy?
Stefan Wirtz, Fraunhofer MEVIS, Bremen

17:30 Summary / Closing

Directions & Accommodation
Parking: Parking ticked office
Auditorium Maximum Lübeck

Parking is available in the parking deck opposite Maria-Goeppert-Strasse 1 (about 200 m walk from Auditorium Maximum). Day tickets for parking (10 EUR) are available in Maria-Goeppert-Strasse 1 (ground floor). There is no ticket machine. PLEASE NOTE: For company stands are 250 EUR per stand, including catering and free access to the conference presentations for two company staff. Contact: IHK zu Lübeck, Dirk Hermeneus (see below for contact details).

Accommodation
Hotel Excelsior Lübeck
www.hotel-excelsior-luebeck.de
Hotel Atlantic Lübeck
www.atlantic-hotels.de/luebeck
Klassik Altstadt Hotel Lübeck
www.klassik-altstadt-hotel.de
Park inn by Radisson Lübeck
www.parkinn.de/hotel-luebeck

Directions
Parking ticket office
Barrier
Bus no. 32, Steinhofstrasse

Lübeck 2014
Summer Academy on Medical Technology
23 to 25 September 2014
BioMedTec Wissenschaftscampus Lübeck
Germany

In cooperation with:
F.F.M.

Module 4: Imaging Technologies 24 September 2014 – Afternoon

14:00 Clinical Application of Liver Surgery Planning
Andreas Scholz, Fraunhofer MEVIS, Bremen

14:30 Soft Tissue Navigation – On the Way to Clinical Routine
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Stefan Wirtz, Fraunhofer MEVIS, Bremen

17:30 Summary / Closing

18:30 Registration, Contact and Further Information
Lübeck Summer Academy on Medical Technology is the medical technology industry’s showcase with supra-regional attraction at the Lübeck BioMedTec Science Campus. As networking event it is considered the most important med-tech bridge into Scandinavia in Germany.

In 2014 the Summer Academy offers five modules. Each module can be booked individually. Regulatory affairs modules (modules 1 and 2), technology modules (modules 3 and 4) and funding opportunities (module 5) are on the agenda. Modules 1 to 4 are offered in English language, module 5 will be in German and English.

Current issues of regulatory affairs around medical devices are highlighted in modules 1 and 2. With the newly elected European parliament discussions around the proposed EU Medical Device Regulation will be ongoing. Impact of regulation on the innovation in the medical device industry and the cooperation between manufacturers and notified bodies are in the focus of regulatory modules. Technology sessions cover low volume flows in medical technology (module 3) and imaging technologies (module 4). Metrology for drug delivery and measuring technologies for low flows in other medical applications are discussed. Computer-assisted surgery and computer-navigated radiotherapy are issues highlighted in this year’s imaging technology sessions.

European and national funding opportunities for medical technology projects are introduced in module 5. The focus is on public funding sources. First experiences with the European Horizon 2020 programme are presented including opportunities for the life sciences, the novel SME instrument, and special opportunities in cooperation with Danish partners. This is complemented with information on national funding programmes offered by the German Federal Ministers, and particular German-Danish opportunities in the EU Interreg IV A programme.

The poster and trade exhibition around medical technology are high-lighted in modules 1 and 2. With the newly elected European parliament discussions around the proposed EU Medical Device Regulation will be ongoing. Impact of regulation on the innovation in the medical device industry and the cooperation between manufacturers and notified bodies are in the focus of regulatory modules. Technology sessions cover low volume flows in medical technology (module 3) and imaging technologies (module 4). Metrology for drug delivery and measuring technologies for low flows in other medical applications are discussed. Computer-assisted surgery and computer-navigated radiotherapy are issues highlighted in this year’s imaging technology sessions.

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Invitation to Lübeck!

Module 1: Regulatory Affairs
23 September 2014 – Afternoon
12:30 Registration, lunch, exhibition
Room AM 3
13:40 Conference opening / Welcome
Enrico Hartmann, Acting Chairman, BioMedTec Science Campus
Lars Schöhning, CEO SSW Lübeck
Development of Medical Devices – the Impact of Regulation on Innovation
14:00 German Legislation regarding Clinical Trials with Medical Devices
Matthias Neumann, Federal Ministry of Health, Berlin
14:45 Quiz wall – The next steps for the revision of ISO 14155
Karl Wessling, Deutscher Kommissions für Standardization, Munich
15:30 Refreshments, exhibition
16:00 Clinical Research with Medical Devices in Clinical Practice: An Example
Inke R. König, Inst. of Medical Biometry and Statistics, Univ. of Lübeck
16:30 Specific types of Studies and Practical Hurdles from a Legal Perspective
Hilke Wachsmuth, Forum for Medical Technology, Lübeck
17:00 New Challenges in Clinical Evaluation and Clinical Trials
Elisa Hoenig, PROSYSTEM Clinical Services GmbH, Hamburg
17:30 Panel Discussion
Foyer
18:30 Lübeck 2014 Summer Academy Networking Reception
Module 2: Regulatory Affairs
24 September 2014 – Morning
08:30 Registration, coffee, exhibition
Room AM 2
09:00 Opening / Welcome
Life Science Nord e.V. and Forum for Medical Technology
Bremen and Lübeck
09:20 Introductory Key Note: From Innovation to Market
Ron Klars, Harvard Medical School, Boston, MA, USA and Fraunhofer Institute for Medical Computing Imaging, Bremen and Lübeck
09:50 Change of room for parallel sessions
Module 2 and Module 3
Room AM 3
Module 2: Regulatory Affairs
24 September 2014 – Afternoon
10:00 Re cast of the Medical Device Directive – What do we expect?
Henrik G. Jørgensen, Danish Health and Medicines Authority, Copenhagen, Denmark
10:30 Regulatory Requirements for Products / Quality System Assessments and Audits – How to Prepare?
Hans-Henner Jürusch, TÜV SÜD Product Service GmbH, Munich
11:00 Refreshments, exhibition
11:30 Recommendation 2012/137/EU on Notified Body-audits – questions and problems in the field
Ansgar Graf, Staatliches Untersuchungsamt für Medizinprodukte, Berlin
12:00 Role and Legal Responsibilities of Notified Bodies – Consequences of liability CAs
Volker Lünker, Karlheinz Lünker MRP-Recht, Essen
12:30 Panel Discussion
13:30 Lunch, exhibition
Module 3: 8th Workshop on Low Flows in Medical Technology
24 September 2014 – Morning
08:00 Registration, coffee, exhibition
Room AM 2: Plenary Session
09:00-09:50 See info (module 2) for plenary session programme
Room AM 3
Focus Session: Metrology for Drug Delivery, part 1
10:00 Overview ‘Metrology for Drug Delivery’
Peter Lucas, Danish Metrology Institute, VL, Delft, Netherlands
10:20 Motivation and Clinical Relevance ‘Metrology for Drug Delivery’
Annamaria Triselli, University Medical Center, Utrecht, the Netherlands
10:40 Primary Standards for Flow Rates from ~100 – 1 mL/min – Gravitometric Principle
Bjarne Bönig, K analog, Institut für Physikalische Chemie, Stuttgart, Germany
11:00 Refreshments, exhibition
Focus Session: Metrology for Drug Delivery, part 2
11:30 Flow Source Based on Expansion Principle as Primary Standard for Flow Rates Above 10 nL/min
Peter Lucas, Danish Metrology Institute, VL, Delft, Netherlands
11:50 An Optical Measurement Method for Flow Rates Above 10 nL/min
Martin Ahrens, FH Lübeck, Germany
12:30 Assessment of Flow Meters and Drug Delivery Devices
Kongens Lyngby, Denmark
12:50 Effects of Applying Flow on Stem Cell Differentiation
Niklaus Schoenberger, Helbing Technik GmbH, Bern, Switzerland
13:30 Lunch, exhibition
Module 3: 8th Workshop on Low Flows in Medical Technology
24 September 2014 – Afternoon
14:00 Effects of Applying Flow on Stem Cell Differentiation and Function
Martin Dufva, Technical University of Denmark, DTU, Kongens Lyngby, Denmark
14:30 Fast Techniques for Measuring Small Flows in Mass Production
Roland Snijder, University Medical Center, Utrecht, the Netherlands
15:00 Microfluidics for Electrical Biochip Technology
Lars Blömer, Fraunhofer Inst. for Silicon Technology – IIS, Bremen
15:30 Refreshments, exhibition
16:00 Metrological Methods for Low Volume Liquid Handling in Drug Delivery and In-Vitro Diagnosis
Peter Koltay, Albert-Ludwig University, Department of Microsystems Engineering, BTIek, Freiburg
16:30 Microfluids in Chemical and Biochemical Engineering Applications
Ulrich Krähen, Technical University of Denmark, DTU, Kongens Lyngby, Denmark
17:00 Flow Measurement for the Double-Actuator Pump mpd
Franz Barth, Barth Mikrotechnik GmbH, Düsseldorf
17:30 Get-together, refreshments, exhibition
For details on Module 3 please see www.msgt.fh-luebeck.de
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