Technologies and Innovation for Cost Reduction

Meeting program

7.8. May 2015

Congress Centre Kursaal Interlaken
CH-3800 Interlaken

The conference
This conference is dedicated to professionals and anyone interested in the area of passive as well as active implants and the current issues related to these two areas. This two-day meeting encompasses both keynote lectures and short presentations, allowing room in between for discussion and networking at the tabletop exhibition which is held in parallel. For the first time, we are offering 1-to-1-partnering during this conference. The aim of this event is to present new developments in the field, facilitate know-how exchange and foster cooperation between implant manufacturers, subcontractors and users.

At the 2015 [MEET THE EXPERT] conference, a special focus will be in the challenges that the Medtech industry faces when confronted with the current cost pressure situation. The presentations will be held in German or English with a simultaneous translation into the respective other language.

Tabletop exhibition
A tabletop exhibition will accompany the conference (Tabletop price CHF1'500.- excl. VAT, including registration for one person). Tabletop exhibitors have the opportunity to showcase their companies’ products to a broad audience during a one minute flash presentation.

Registrations can be made at:
www.b2match.eu/meet-the-expert-2015/registration

Information and registration:

Organization
Peter Biedermann, Medical Cluster
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Program committee
• Dr. Simon Berner, Institut Straumann AG
• Dr. Lukas Eschbach, RMS Foundation
• PD Dr. habil. Christiane Jung, KKS Ultraschall AG
• Dr. Urban Schnell, Helbling Technik Bern AG
• Dr. Martin Stöckli, inspire AG
• Prof. Dr. Michael de Wild, FH Nordwestschweiz
• Sven Zybell, Synthes Produktions GmbH

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Industry partner
Cochlear®
Meeting program Thursday, 7. May 2015

09:30  Registration
10:00 - 10:15 Welcome

**Session 1**
Chair: Dr. Lukas Eschbach
10:15 - 11:00 Presentation Industry partner: Overcoming Hearing Loss Through New Implant Technologies (EN)
Carl van Himbeeck, Cochlear AG, BE
11:00 - 11:30 Keynote 1: Reasons of cost pressure and possible countermeasures (DE)
Eric Perucco, MedBrainTec, CH
11:30 - 12:15 Flash presentations exhibitors
12:15 - 13:45 Lunch (Exhibition / Posters / 1to1-Partnering)

**Session 2**
Chair: Dr. Lukas Eschbach
13:45 - 14:15 Keynote 2: Is high-tech surgery a cost driver? Practical answers and innovative solutions from the research workshop of an oral and maxillofacial surgeon (DE)
Prof. Dr. Hans-Florian Zeilhofer, Universitätsspital Basel, CH
14:15 - 14:45 Keynote 3: «3D-Printing» a game changer for product development and design (DE)
Prof. Dr. Mirko Meboldt, ETH Zürich, CH
14:45 - 15:00 Flash presentations posters
15:00 - 15:50 Break (Exhibition / Posters / 1to1-Partnering)

**Session 3a: Surfaces**
Chair: Prof. Dr. Michael de Wild
15:50 - 16:10 The Role of Surface Properties and Their Biological Impact on Osseointegration (DE)
Francisco Faoro, Institut Straumann AG, CH
16:10 - 16:30 Functional Thin-film coating: added value at low cost (EN)
Sina Göhl-Gusenleitner, SuSoS AG, CH
16:30 - 16:50 Laser assisted surface functionalization (DE)
Dr. Georg Astl, Eoswiss Engineering Sarl, CH
16:50 - 17:10 Time and Material Saving Laser Microtomy for Hard Tissue and Implants (DE)
Dr. Brigitta Stolze, LLS ROWIAK LaserLabSolutions
17:10 - 17:30 Roxolid® the new gold standard for implant materials in dental implantology (DE)
Dr. Florian Dalla Torre, Institut Straumann AG, CH
17:30 - 18:30 Aperitif / Exhibition / Posters
ab 19.00 Dinner at Hotel Metropole

**Session 3b: Active Implants**
Chair: Dr. Urban Schnell
15:50 - 16:10 The development process as a central tool in cost management (EN)
Hans Bernhard, Hebling Technik Bern AG, CH
16:10 - 16:30 Brain mapping for new insight in neurotherapeutic & diagnostic solutions (EN)
Dr. Arno Aarts, ATLAS Neuroengineering bvba, BE
16:30 - 17:10 Flex PCB Reliability: An objective evidence based approach for long-term cost avoidance (EN)
Dr. Hans-Peter Klein, DYCONEX AG, CH
17:10 - 17:30 Security of Wireless Implantable Medical Devices (EN)
Dr. Dave Singelée, KU Leuven, BE
17:30 - 18:30 World’s smallest long-term implantable pressure sensor (EN)
Dr. Mark Fretz, CSEM, Alpnach, CH
Meeting program Friday, 8. May 2015

Session 4
Chair: Sven Zybell

08:30 - 09:00
Keynote 4: Trends in magnesium implants (DE)
Prof. Dr. Regine Willumeit-Römer, Helmholtz-Zentrum Geesthacht, DE

09:00 - 09:20
Using the Lean and Six Sigma approach to lower production cost and maintain competitiveness (DE)
Dr. Bruno Rüttimann, inspire AG, CH

09:20 - 10:20
Break (Exhibition / Posters / 1to1-Partnering)

Session 5a: Regulatories
Chair: PD Dr. Christiane Jung

10:20 - 10:40
Efficient testing strategies for Medical Devices including new concepts in risk assessment and new in vitro test systems (DE)
Dr. Albrecht Poth, Eurofins BioPharma Product Testing, DE

10:40 - 11:00
Clinical Investigations with Implants: View of the development company and of the CRO (DE)
Dr. Michel Weber, ISS AG, CH

11:00 - 11:20
Simulation of the use of plastics in the medical sector with respect to leachables (DE)
Bernhard Burn, INTERLABOR BELP AG, CH

11:20 - 11:40
How to leverage CE data of implants used for CE marking in the US for PMA approval (EN)
Dr. Ralf Hess, PAREXEL International, DE

11:40 - 12:00
Emerging & Re-emerging markets: how to navigate innovation thru global regulatory approvals (EN)
Dr. Vincent Legay, NAMSA, FR

12:00 - 13:30
Lunch (Exhibition / Posters / 1to1-Partnering)

Session 5b: Simulations, Models
Chair: Dr. Simon Berner

10:20 - 10:40
Skull model for CMF (cranio maxillofacial fracture) trauma Education (EN)
Heinz Hügli, SYNBONE AG, CH

10:40 - 11:00
Reducing risk and R&D costs using medical image based population studies in orthopaedic implant development (EN)
Markus Fremmer, Materialise GmbH, DE

11:00 - 11:20
Automated workflow for patient specific robust design optimization: an example for plate osteosynthesis (EN)
Joël Grognuz, CADFEM (Suisse) AG, CH

11:20 - 12:00
Predicting Primary Stability in Novel Bone Level Tapered Implants (EN)
Francisco Faoro, Institut Straumann AG, CH

Modelling alterations in hemodynamics caused by aneurysm implants (EN)
Wolfgang Wiedemair, Zurich MedTech AG, CH

12:00 - 13:30
Lunch (Exhibition / Posters / 1to1-Partnering)

Session 6: Manufacturing and processes
Chair: Dr. Martin Stöckli

13:30 - 13:50
Unchanging long tool life in titanium (DE)
Michael Zuber, Diametal AG, CH

13:50 - 14:10
Innovation for joint implants under cost pressure (DE)
Dr. Martin Schmidt, Jossi Orthopedics AG, CH

14:10 - 14:30
Balancing product safety and cost effectiveness - considerations in factory & cleanroom design (DE)
Stephan Fischer, IE Life Science Engineering, CH

14:30 - 14:50
Process Design for Usability EN 62366 (DE)
Raimund Erdmann, Erdmann Design AG, CH

14:50 - 15:20
Keynote 5: Process optimization for cost reduction: practical examples (DE)
Sven Zybell, Synthes Produktions GmbH, CH

15:20
End of conference
Poster Session

1  Predictive in-vitro models for the study of tissue-implant interaction
    Dr. Samantha Chan, Empa St. Gallen, CH

2  Investigation of Stiffness-isotropy of Different Lattice Geometries
    Jasmin Rüegg, FH Nordwestschweiz, CH

3  Thin Film Flexible Circuits for Medical Applications: Technology and Characteristics
    Maximilian Bee, Cicor AMS Reinhardt Microtech GmbH, CH

4  Cell viability on titanium implant surfaces modified with antibacterial copper
    PD Dr. habil. Christiane Jung, KKS Ultraschall AG, CH

5  Cost-reduction via in silico trials: MR-safe implant design and evaluation
    Earl Zastrow, IT’IS Foundation, CH

6  Evaluation of implant surface coating bioactivity obtained by atomic layer deposition technique
    Evgeny Zolotukhin, CONMET, LLC, RU

7  Smart electronics: the eye opener for the future
    Stefan Gogaert, AnSem, Heverlee, BE

8  Outline of European and US requirements for device approval - intersections and differences
    Dr. Ralf Hess, PAREXEL International, DE

9  Pitfalls in the evaluation of local tolerance in medical device studies
    Dr. Klaus Weber, AnaPath GmbH, CH
Registration fees
Members of the Medical Cluster, CHF 550.-
Non-members, CHF 650.-
Students (full time, unemployed), CHF 300.-
Single day visit on either Thursday or Friday, CHF 370.-
Dinner on Thursday, incl. drinks, CHF 85.-
Tabletop exhibition incl. 1 entry, CHF 1'500.-

All prices excl. 8 % VAT.

The prices above include conference entry, materials, documentation, 1to1-Partnering and all meals during the meeting. Accommodation and dinner on Thursday are not included in the prices.

Registration
Please register until 30. April 2015 at:
www.b2match.eu/meet-the-expert-2015/registration

The fee for registration cancellation up to 7 days before the event is CHF 50.- No refund will be given for cancellations made less than 7 days before the event, though the registrant may transfer the ticket to another person to attend as a replacement.

Venue / Travel
Congress Centre Kursaal Interlaken
Strandbadstrasse 44
CH-3800 Interlaken
How to get there: www.congress-interlaken.ch

Hotel
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