

[MEET THE EXPERT]

IMPLANTS

In collaboration with

ORTHOMANUFACTURE 2020

Materials and Surface Technology for Implants

[MEET THE EXPERT] Implants is organized in cooperation with the event **ORTHOMANUFACTURE** in 2020 and will combine two well-known congresses for the implant industry in Europe. The proven concepts of these events are merged and will result in an even larger congress that is designed equally for manufacturers of implants, suppliers and service providers, as well as for universities and institutes. The program includes keynote lectures, short presentations, an exhibition and many possibilities for discussions and networking during the breaks and the dinner and social event. We invite you to book a space at the exhibition or to register as a participant.

Tue 28th / Wed 29th April 2020

Venue

Kongresshaus / Palais des Congrès
Zentralstrasse 60
2501 Biel/Bienne, Switzerland

Information and registration

www.rms-foundation.ch/meet

Main organizer



Testing · Research · Consulting

www.rms-foundation.ch

Registration / Fees

Please register until 15th April 2020 at:

www.rms-foundation.ch/meet

- Regular participant / Speaker:
350 CHF + VAT (until 29.02.2020)
400 CHF + VAT (from 01.03.2020)
+ Networking Dinner (95 CHF)
- Student (full time without employment):
150 CHF + VAT
- Tabletop exhibitor with 1 person:
1500 CHF + VAT; incl. registration / Dinner
- Tabletop exhibitor with 2 persons:
2000 CHF + VAT; incl. registration / Dinner

The fee for registration cancellation up to 14 days before the event is 50 CHF. No refund will be given for cancellations made less than 14 days before the event, though the registrant may transfer the ticket to another person to attend as a replacement.

Program Committee

- Dr. Lukas Eschbach, RMS Foundation
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- Dr. Simon Berner, Medicoat AG
- Francisco Faoro, Institut Straumann AG
- PD Dr. habil. Christiane Jung, KKS Ultraschall
- Dr. Martin Stöckli, inspire AG
- Prof. Dr. Michael de Wild, FHNW

Administration

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Program, Tuesday 28th April 2020

08:30	Registration / Welcome Coffee
09:00-09:15	Welcome message
	Session 1: Overview Chairperson: Dr. Lukas Eschbach
09:15-09:45	Keynote 1: Dr. med. Daniel de Menezes, Spitalzentrum Biel/Bienne, Switzerland: <i>Improving efficiency and results of prosthetic joint surgery: Role of technology and materials from the perspective of a surgeon</i>
09:45-10:30	Flash Presentations Exhibitors (1 min. each)
10:30-11:00	Break (Exhibition and Posters)
	Session 2: Materials and Surfaces Chairperson: Prof. Dr. Michael de Wild
11:00-11:30	Keynote 2: Beat Lechmann, DePuy Synthes, Zuchwil, Switzerland: <i>Trends related to materials, surfaces and technologies</i>
11:30-11:50	Prof. Dr. med. dent. Dr. rer. nat. Jens Fischer, University Center for Dental Medicine Basel, Switzerland: <i>What endosseous surface is appropriate for dental zirconia implants?</i>
11:50-12:10	Prof. Dr. Marta Monjo, University of Balearic Islands, Palma de Mallorca, Spain: <i>Multifunctional properties of Quercitrin coated porous Ti-6Al-4V implants for orthopaedic applications</i>
12:10-12:30	Dr. Kurt Ruffieux, Medtecton GmbH, Lucerne, Switzerland: <i>Rapid, non-releasing antibacterial coatings based on Ag nano islets deposited on TiOx films</i>
12:30-12:45	Flash Presentations Posters (1 min. each)
12:45-14:00	Lunch (Exhibition and Posters)
	Session 3: Medical Device Regulation (MDR) Chairperson: Francisco Faoro
14:00-14:30	Keynote 3: Shokoufeh Khodabandeh, Institut Straumann AG, Basel, Switzerland: <i>Medical Device Regulations – MedTech in EU beyond May 2020</i>
14:30-14:50	Dr. Karin Schulze, SFL Regulatory Affairs & Scientific Communication GmbH, Basel, Switzerland: <i>Challenges for implants under the new MDR</i>
14:50-15:10	Stefano Adami, Confinis AG, Sursee, Switzerland: <i>Additive Manufacturing of custom made and mass production of implants – Overview of regulatory and quality challenges posed by the MDR</i>
15:10-15:30	Dr. Ulrich Hofer, Integrated Scientific Services ISS AG, Biel, Switzerland: <i>Lean PMCF studies using real-world data</i>
15:30-16:00	Keynote 4: Dr. Richard Curno, Medidee Services SA, Lausanne, Switzerland: <i>Lessons learned from recalls</i>
16:00-16:30	Break (Exhibition and Posters)
	Session 4: Smart Devices & Analytics Chairperson: Dr. Simon Berner
16:30-17:00	Keynote 5: Dr. Roman Dittmar, Institut Straumann AG, Basel, Switzerland: <i>Smart devices – Implants 4.0</i>
17:00-17:20	Ana Isabel Costa, Center of MicroElectroMechanical Systems, University of Minho, Guimarães, Portugal: <i>Tribo-electrochemical characterization of simulated bone ingrowth on bio-functionalized highly-porous Ti interface under fretting condition</i>
17:20-17:40	Dr. Christine Körner, Anton Paar GmbH, Graz, Austria: <i>Zeta potential of implant surfaces - correlation with hydrophilicity and porosity</i>
17:40-17:50	Closing remarks
From 18:30	Networking Dinner

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Program, Wednesday 29th April 2020

From 07:30	Registration
	Session 5: Additive Manufacturing Chairperson: Dr. Martin Stöckli
08:00-08:30	Keynote 6: Daniel Seiler, Hochschule für Life Sciences FHNW, Muttenz, Switzerland: <i>Trends in medical AM</i>
08:30-08:50	Jean-Jacques Fouchet, Z3DLAB SAS, Montmagny, France: <i>A new advanced AM material to solve stress shielding and toxicity issues</i>
08:50-09:10	Rashid Tikhilov, Vreden Russian Research Institute of traumatology and orthopedic, S-Petersburg, Russia: <i>The experience of using custom-made implants for gross acetabular defects</i>
09:10-09:30	Donatien Campion, 3D Medlab, Marignane, France: <i>4D Printing of expandable Spinal Cages: Development and applications</i>
09:30-10:00	Break (Exhibition and Posters)
	Session 6: Cleaning Chairperson: PD Dr. habil. Christiane Jung
10:00-10:30	Keynote 7: Peter Huonker, Früh Verpackungstechnik AG, Fehraltorf, Switzerland: <i>Bacteria and sterilization: A short overview on common sterilization procedures</i>
10:30-10:50	Lise Vanderkelen, Nelson Labs NV, Heverlee, Belgium: <i>How clean is clean enough?</i>
10:50-11:10	Elena Stübi, RMS Foundation, Bettlach, Switzerland: <i>Cleaning validation for instrument reprocessing: normative background and the test methods</i>
11:10-11:30	Dr. Sc. Marco Furlan, eCO2, Taverne, Switzerland: <i>A novel post-treatment process of medical and pharmaceutical material using scCO2</i>
11:30-12:00	Keynote 8: Ali Madani, AVICENNE, Paris, France: <i>Orthopedic market perspectives - Orthopedic contract manufacturing markets</i>
12:00-12:15	Closing remarks
12:15-13:30	Farewell Lunch (Exhibition and Posters)

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Poster Session

- 1 *Biodegradable magnesium implants: how to improve the surface properties?*
Dr. Oksana Banakh, Haute Ecole Arc, La Chaux-de-Fonds, Switzerland
- 2 *Multilayer based on parylene and an oxide deposited by ALD for the packaging of medical devices*
Prof. David Grange, Haute Ecole Arc, La Chaux-de-Fonds, Switzerland
- 3 *Short term release of titanium and zirconium in mini pig maxillae from titanium and zirconia implants*
Christoph Sprecher, AO Research Institute Davos, Davos, Switzerland
- 4 *MRI compatibility of additive manufactured auxetic NiTi parts*
Felix Schuler, FHNW, Muttenz, Switzerland
- 5 *Protection of electronics for reprocessible surgical devices*
Grégory Schaffner, Turck duotec SA, Delémont, Switzerland
- 6 *Cleaning processes in medical technology*
Fabio Cordaro, Amsonic AG, Biel, Switzerland
- 7 *High-accurate form and roughness measurement of orthopedic implants using a new optical micro-coordinate measurement device*
Robert Winkler, Alicona Imaging GmbH, Raaba/Graz, Austria
- 8 *Surface properties and fatigue resistance of AM-structures*
Dr. sc. ETH Zürich Roman Heuberger, RMS Foundation, Bettlach, Switzerland
- 9 *Accelerated tests for lifetime prediction of interfaces and interlayers with respect to crevice and fatigue corrosion in body fluid*
Dr. Roland Hauert, Empa, Dübendorf, Switzerland
- 10 *Implants surface modification: a reliable biomimetic approach*
Dr. Agnese Carino, Paul Scherrer Institut, Villigen PSI, Switzerland
- 11 *ICP-MS trace element analysis of calcium phosphate bone substitute materials according to USP 232/233 guidelines*
Dr. Ronny Wirz, RMS Foundation, Bettlach, Switzerland
- 12 *Laser additive manufactured hemi-thoracic cage custom implant in Ti6Al4V*
Pierfrancesco Robotti, Lincotek, Trento, Italy

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