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## Biomedical Engineering Day

University of Bern

May 3, 2019

Bern, Inselspital

Auditorium Ettore Rossi

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<sup>b</sup>  
**UNIVERSITÄT  
BERN**

Master's Program  
Biomedical Engineering

### Final Program

09.00

#### Welcome & Introduction

**S. Weber**, ARTORG Center for Biomedical Engineering Research, University of Bern

**M. Jacomet**, HuCE, Bern University of Applied Sciences-TI

**S. Friess**, Office of Economy of the Canton of Bern

09.20

#### Biomedical Engineering Research & Education – An Update

**Ph. Zysset**, ARTORG Center for Biomedical Engineering Research and Master of Science in Biomedical Engineering, University of Bern

09.30

#### Presentation of Medical Technology Companies (I)

**A. Grundmann**, Depuy Synthes, Companies of Johnson & Johnson  
*BME graduates and careers at DePuy Synthes: An ideal match*

**N. Kozic**, Stryker GmbH

*Company Introduction and Medical Device Development Process*

**S. Hänzi**, Helbling Technik AG

*Are biologists the better engineers?*

**N. Stiefel**, Geistlich Pharma AG

*Committed to regeneration*

**R. Pittini**, Switzerland Innovation Park Biel/Bienne

*Supporting innovation in health*

10.30

#### Coffee Break

Participants may meet with representatives of Medtech companies at their booths and visit the research exhibits of the University of Bern and the Bern University of Applied Sciences. The live broadcast will begin during this coffee break. Participants interested in the preparatory steps of the surgery are welcome to join.

11.15

#### Live Surgery

**K. Siebenrock**, Orthopaedic Surgery and Traumatology, University Hospital Bern (Inselspital)

Moderator: **J. Bastian**, Orthopaedic Surgery and Traumatology, University Hospital Bern (Inselspital)

12.00

#### Lunch

Participants may meet with representatives of Medtech companies at their booths and visit the research exhibits of the University of Bern and the Bern University of Applied Sciences.

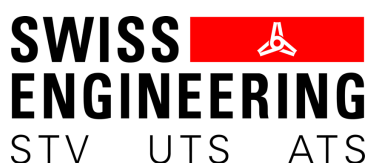


Bern University  
of Applied Sciences

[www.bfh.ch](http://www.bfh.ch)



[www.artorg.unibe.ch](http://www.artorg.unibe.ch)



[www.swissengineering.ch](http://www.swissengineering.ch)



Biomedical  
Engineering Club

[www.bmeclub.ch](http://www.bmeclub.ch)



- 13.00**                    **Presentation of Medical Technology Companies (II)**
- G. Bonnier**, CSEM  
*Innovative solutions for optical blood pressure monitoring using smartphones*
- J. Stucki**, AlveoliX AG  
*Organs-on-Chip: Engineering meets Biology*
- M. Matulic**, CAScination AG  
*The HEARO Procedure – Robotic access to the inner ear*
- J. Nohava**, Anton Paar SA  
*Tribology of the bone and implant pair: a fundamental study of their friction properties*
- R. Neuenschwander**, Ziemer Ophthalmic Systems  
*Ophthalmology made in Switzerland*
- A. Schneider**, Advanced Osteotomy Tools AG  
*Robot guided laser osteotomy*
- 14.10**                    **Science Slam**  
Science Slam Competition for ARTORG Center and friends
- 14.30**                    **10 Years BME Club (Alumni BME Master)**
- P. Urwyler**, President BME Club  
*Looking at one decade of BME Club*
- F. Toy**, Mathys Medical  
*6 Years in the Med-Tech Industry: A Review*
- J. Charmet**, University of Warwick, UK  
*From BME to academia*
- BME Club Awards**  
Travel Award 2019  
Best Poster Award  
Best Master Thesis Abstract
- 15.15**                    **BME Club Coffee Break**  
Participants may meet with representatives of Medtech companies at their booths and visit the research exhibits of the University of Bern and the Bern University of Applied Sciences.
- 15.45**                    **Award Presentations**  
Best Master Thesis (Innovation) (Swiss Engineering)  
Best Master Thesis (Basic Science) (Swiss Engineering)  
Best PhD Award (CCMT)
- 16.30**                    **Student Lottery**  
All present BME Master students participate in the student lottery.  
Win 5 x 100 CHF book gift certificates!
- 16.40**                    **Closing Remarks & Adjourn**