



Bern University  
of Applied Sciences



<sup>b</sup>  
**UNIVERSITÄT  
BERN**

Master of Science  
Biomedical Engineering

## Biomedical Engineering Day

12 May 2023

University Hospital Bern (Inselspital)

Auditorium Ettore Rossi

### Final Program

08.30

#### Welcome & Introduction

**Claudio Bassetti**, Faculty of Medicine, University of Bern

**Raoul Waldburger**, Engineering and Information Technology,  
Bern University of Applied Sciences

08.45

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

**Philippe Zysset**, ARTORG Center and MSc BME, University of Bern

08.55

#### Master's Program Artificial Intelligence in Medicine – An Update

**Stavroula Mougiakakou**, ARTORG Center and MSc AIM, University of Bern

09.05

#### From Idea to Investment: Promoting Entrepreneurial Projects at UniBE

**Sébastien Hug**, Innovation Office, University of Bern

09.15

#### Presentation of Medical Technology Companies

**Anda-Petronela Radan**, Department of Gynecology, University Hospital Bern (Inselspital)

**Ramin Soltani**, CSEM

*Introduction of Artificial Intelligence in Cardiotocography Interpretation for the Clinical Use*

**Christoph Lätt**, Ziemer Ophthalmic Systems AG

*Ziemer Group at a Glance*

**Nik Stiefel (alumnus MSc BME)**, Geistlich Pharma AG

*Geistlich – The Regeneration Company*

**Daniel Erpenbeck**, Cascination AG

*Bringing Certainty to Medical Treatment Outcomes*

**Dieter Ulrich**, Helbling Technik Bern AG

*Making Medical Devices Smart*

**Alexander Grundmann (alumnus MSc BME)**, Johnson & Johnson

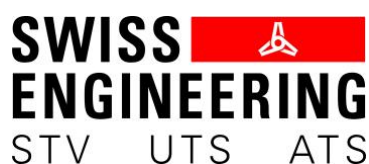
*BME Graduates at DePuy Synthes, An Ideal Match*

**Marc Labudde**, Ypsomed AG

*Smart Therapies for Diabetes and Beyond*

**Reto Lurf**, Thommen Medical Solutions AG

*Thommen Medical – Dental Implant Partner*



- 10.00 Coffee Break / Visit Medtech Companies and Research Groups**
- 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.
- 10.45 BME Club Awards (Alumni BME Master)**
- Best Master Thesis Abstract (rank 1, 2 and 3)
- 11.00 Award Presentations**
- Best Master Thesis Award (Innovation) (sponsored by Swiss Engineering)  
**Joël Fritschi**, BME alumnus, University of Bern  
*Development and Optimization of a Time-of-Flight Mass Spectrometer for Non-Targeted Metabolomics*
- Best Master Thesis Award (Basic Science) (sponsored by Swiss Engineering)  
**Cedric Rauber**, BME alumnus, University of Bern  
*Musculoskeletal Modelling of the Spine During Functional Activities in Patients with Adolescent Idiopathic Scoliosis*
- Best PhD Thesis Award (sponsored by CCMT)  
**Philipp Aebischer**, ARTORG Center, University of Bern  
*SMART Insertions for Cochlear Implant Electrode Arrays*
- 11.45 Live Surgery**
- Michael Blumer**, Department of Maxillo-Facial Surgery, University Hospital Bern (Inselspital)  
Moderator: **Benoît Schaller**, Department of Maxillo-Facial Surgery University Hospital Bern (Inselspital)
- 12.45 Lunch and Visit Medtech Companies and Research Groups**
- 14.00 End of BME Day**

