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## Biomedical Engineering Day

University of Bern  
May 24, 2013  
Bern, Inselspital  
Auditorium Ettore Rossi

<sup>b</sup>  
**UNIVERSITÄT  
BERN**

Master's Program  
Biomedical Engineering

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**Bern University of Applied Sciences**  
Engineering and Information Technology

### Final Program

- 9.30**                    **Welcome & Introduction**  
*Ch. Leumann*, Vice-Rector for Research, University of Bern  
*H.-U. Simon*, Vice-Dean for Research, Medical Faculty, University of Bern  
*H. Binggeli*, Rector, Bern University of Applied Sciences
- 09.50**                    **Biomedical Engineering Research & Education – An Update**  
*Ph. Zysset*, ISTB and Master of Science in Biomedical Engineering,  
University of Bern
- 10.00**                    **Presentations of Medical Technology Companies (I)**  
Ziemer Ophthalmic Systems AG - Hi-Tech. Innovation. Eye Care. Made in Switzerland  
*G. Schmid*, Ziemer Ophthalmic Systems AG  
Fueling innovation in the dental market  
*F. Faoro*, Institut Straumann AG  
Product Development Process and Case Study  
*R. Kebel*, Stryker Trauma AG  
Moderator: *L.-P. Nolte*, ISTB, University of Bern
- 11.00**                    **BME Club – Biomedical Engineering Alumni – 2011/12 in Retrospect**  
*P. Urwyler*, Biomedical Engineering Club
- 11.10**                    **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.
- 11.40**                    **Live Surgery**  
*D. Candinas*, Department of Visceral Surgery and Medicine, University Hospital Bern (Inselspital)  
Moderator: *S. Weber*, ARTORG Center for Biomedical Engineering Research, University of Bern



12.30

**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.

13.30

**Biomedical Engineering at Applied Universities of Sciences**

Reverse engineering the human machine

**E. Staderini**, Haute Ecole d'Ingénieurs et de Gestion du Canton de Vaud, Yverdon-les-Bains (HEIG-VD/HES-SO), Western Switzerland University of Applied Sciences

13.45

**Presentation of Medical Technology Companies (II)**

CSEM's multiparameter sensing concept in the newborn care

**D. Ferrario**, CSEM

Designing for life

**E. de Haller**, Nobel Biocare

An example of a lab spin-off company driven by market demand for the commercialization of bioreactors for 3D cell and tissue cultures

**A. Papadimitropoulos**, Cellek Biotek

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

14.45

**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.

Prospective students may join an introductory session to the MSc in Biomedical Engineering.

15.45

**Keynote Lecture**

Stem Cells in Biomedical Engineering - Today and Tomorrow

**M. Stoddart**, AO Foundation

16.15

**Award Presentations**

Best Master Thesis and PhD Awards and Best Poster Award

Lucky Draw: BME Master students can win an iPad.

16.45

**Closing Remarks & Adjourn**

**Exhibitors:**

Amgen Research GmbH

Haag-Streit AG

RMS Foundation

Congrex Switzerland Ltd

Institut Straumann AG

Stryker Trauma AG

Crédit Suisse AG

Maxon Motor AG

Zieler Ophthalmic Systems AG

Further information and registration is available online: <http://bmeday.swiss-meeting.org/2013/>