

BME NEWS

BME Club Apéro 2010



To celebrate the start of the New Year and the new decade, the BME club decided to organize an original Apéro event. On the 8th of January all lecturers from the Master in Biomedical Engineering Program were invited to the lecture and visit of the Institute for History of Medicine at the University of Bern to get an insight into the history of medical sciences. As the main focus of the BME program relies on building bridges and establishing connections between different disciplines and expertise, namely biology, engineering, and clinical practice, with the aim to develop novel therapies and treatments, looking how treatments evolved in time appeared as an intriguing adventure. Our host was Professor Urs Boschung, Director of the Institute. Professor Boschung first told us about the Institute's goal to foster further gathering of knowledge comprising health and disease in medicine and everyday life, while asking the key question: "How did it come to be the way it is now?" We were sitting in the beautiful, old, wooden (although a bit uncomfortable!) auditorium, and listened about a parallel world, far away from the hectic modern 21st

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Sign up now !



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Check out the IEEE web page for information about their guest lecture series

www.biomedeng.org



Visit the SSBE website for current activities and events

www.ssbe.ch

"Those were good times,
the years in Bern."

Albert Einstein

BIOMED NEWS
BME Club 2009
Stauffacher Strasse 78
3014 Bern, Switzerland

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century where students and researchers did not rely on surfing the internet to find information, but consulted old books, hand-written scripts and ancient manuscripts from the past centuries. We were offered a guided tour of the library and could marvel at the immense books from the 15th and 16th centuries, printed on a hard (better quality!) paper that still withstands the test of time and that we, amazingly, could actually touch, examine and read if we knew Latin. We observed collections of ancient herbal preparations for all sorts of ailments, dental instruments, the development of vision correction glasses, a skeleton of Siamese twins, considered in those times as a God's masterpiece in a calm

and peaceful atmosphere of epochs long passed. The lecture that followed took us through the history of medicine in Switzerland. Slides contained images of black smiths producing orthopedic tools, and cartoons of medical doctors using these unsterile, unrefined knives, claws, tweezers, scissors, and nails on frightened patients in times where anesthesia was based on getting the patient drunk and hoping for the best. They did not entice much confidence in successful outcomes. Once recovered and back in the real time, we welcomed the New Year with glasses of champagne and a variety of Japanese specialties, in very much 21st

century-like cultural diversity. The casual atmosphere allowed discussions about our Master BME program lectures, upcoming exams and plans for future projects and collaborations. One very pleasant evening we definitely plan to repeat in another interesting and unusual place next year.

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Alumni Profile: Nicolas Bouduban



Nicolas Bouduban has been working in the field of medical surgical instruments and implants since 2005, specializing in conceiving and designing new products. Currently he is working as a development engineer in the Innovation Task Force of the company Synthes. He is the contact person between the surgeons and the hospital research team at the Balgrist university hospital in Zurich, where he is well-integrated.

Before joining the BME Master program at the University of Bern, Nicolas earned his engineering degree in micro technology in 2005 at the Bern University of Applied Sciences. He received his master's degree in biomedical engineering from the University of Bern in 2008.

Nicolas was born in Biel in 1980 and currently lives in Brügg. Other than medical technology, Nicolas devotes his time to playing and practicing street hockey.

Student Trip to MEDICA - The world's largest medical fair

In November the world's largest medical trade fair MEDICA takes place in Düsseldorf, Germany. The BME Club is planning a group voyage by bus to the expo if enough students sign up for the trip.

COMPAMED



Around 4'300 exhibitors from 60 countries are showing their products and services over an exhibit area consisting of 20 halls. The trade fair not only offers an enormous variety of products and services but also a wide range of exhibitors, from innovative start-ups to large international companies. More than 138'000 visitors from 100 countries are expected at the fair this year, mostly experts from research and development departments. MEDICA is a great place to gain an impression of the size and scope of the MedTech industry and to talk to interesting companies. On exhibit are:

- Electro-medical equipment
- Laboratory equipment
- Rescue and emergency
- Diagnostics
- Orthopedic instruments
- Rehabilitation
- Medical consumer goods
- Comm. technology

- OR equipment
- Medical textiles
- Services and publications

The BME Club is thus planning a group trip to the expo by bus (comfort car) on the weekend of November 20-21, 2010. At least 25 students need to sign up to make the trip a reality – of course teachers and staff are welcome, too.

Travel Details

Saturday

- Leave Bern at 7.30 am
- Arrive at 2 pm
- Visit MEDICA for 3 hours
- Visit the Swiss Pavilion
- Saturday Evening: Hospitality beer at 6 pm offered by the Competence Center for Medical Technology, CCMT at the Brauerei Uerige Berger Strasse 1 D-40213 Düsseldorf

Sunday

- 2nd visit from 10-12 am with a focus on the parallel fair COMPAMED which is attended by many Swiss manufacturers of medical technology.
- Leave Düsseldorf at 1 pm
- Arrive in Bern at 7pm

Accommodation

Currently there are 36 beds (in 4 bed rooms) reserved for BME Club members and students of the University of Bern and the Bern University of Applied Science at the Youth Hostel Düsseldorf.

Jugendherberge Düsseldorf
Düsseldorfer Str. 1
40545 Düsseldorf

It is ideally situated at the river Rhine opposite the Old Town with its great beer taverns!

Cost

Bus roundtrip: CHF 115,- (if at least 25 students attend, the price drops to CHF 105,- if we are a group of 30)

Hostel: CHF 65,- (incl. breakfast)

In order to keep the reservation, the BME Club needs to know by 15 June if you plan to attend. Please respond quickly to Julia Spyra: julia.spyra@istb.unibe.ch



Student Trip to MEDICA - The world's largest medical fair

Registration deadline: **June 15, 2010**. Sign-up using the form below and send it to:

Biomedical Engineering Club

Back Office

Stauffacherstrasse 78

CH-3014 Bern

eMail: info@bmeclub.ch

Trip to MEDICA, Düsseldorf, Germany
20 – 21 November 2010



Mr/Mrs:

Affiliation:

Address:

eMail:

Mode of Payment: () Cash, () Postal Slip, () E-banking

Place/Date: Signature:

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www.bmeclub.ch
