

HOW TO GET THERE

Inselspital Bern – Room D 103, Frauenklinik

By car:

- From motorway A1 exit Bern-Forsthaus, follow signs „Inselspital“ and „Insel-Parking“
- Insel-Parking on the left side, Murtenstrasse 12

By public transport from Bern station:

- At the Welle exit, follow down Schanzenstrasse
- At Hirschengraben, take tram 7 or 8 (Bümpliz/Brünnen Westside Bahnhof) to Loryplatz, walk back 200 meters to Frauenklinik
- Or walk across Hirschengraben, go to the right and walk along Effingerstrasse for 10 minutes

PRACTICAL INFORMATION

Registration

Before October 15, 2014 by e-mail to Evelyne Wohnrau: evelyne.wohnräu@innovativesurfaces.ch or online on www.innovativesurfaces.ch.

Fees

Members Association NTN Innovative Surfaces: CHF 90.00 (excl. VAT)
Non-members: CHF 120.00 (excl. VAT)

Annulation

Before October 15, 2014: CHF 50.00 (excl. VAT).
Afterwards full fee. A replacement is accepted.

Language Talks and slides in German and English

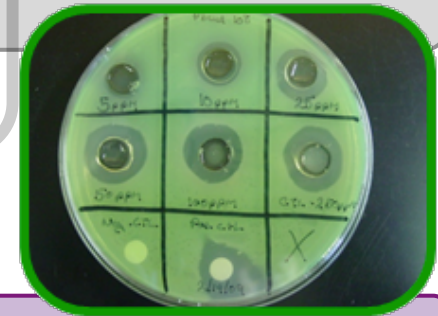


WORKSHOP SERIES

New approaches to germ-inhibiting surfaces

WORKSHOP 3:

Measurement methods and application



Wednesday, October 22, 2014

13.30-18:00

Inselspital Bern

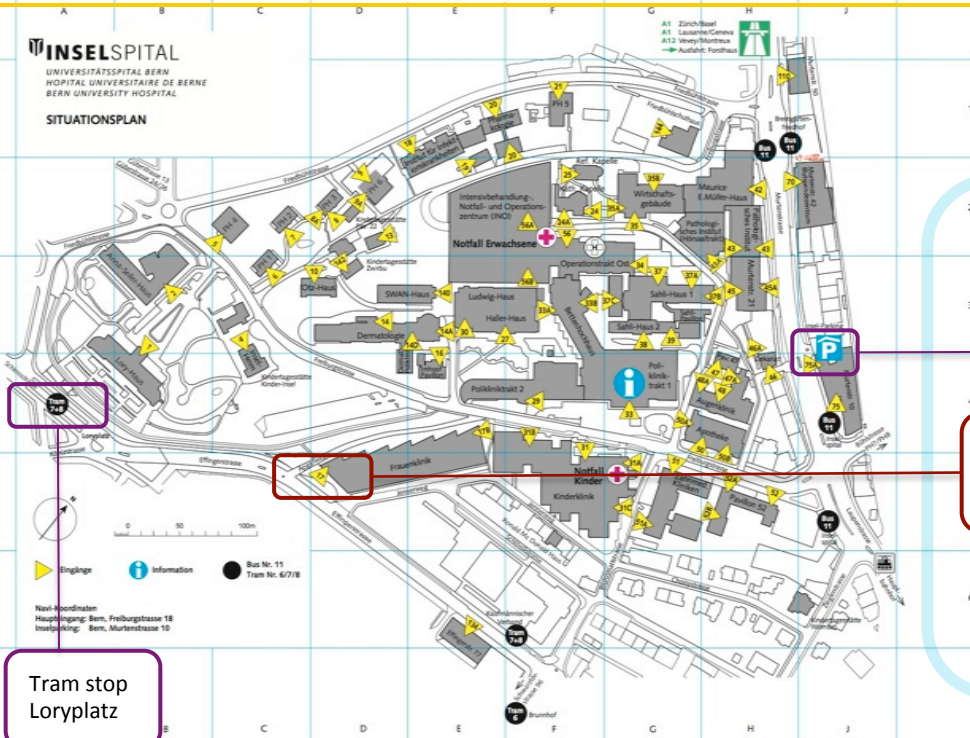
Room D 103, Frauenklinik

Parking

Entrance 17 for access to room D 103

INSELSPITAL
UNIVERSITÄTSPITAL BERN
HÔPITAL UNIVERSITAIRE DE BERNE
BERN UNIVERSITY HOSPITAL


SITUATIONSPLAN



Tram stop
Loryplatz

In cooperation with the CTI

 **KTT-Support**
National thematic networks

 Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation

Commission for Technology and Innovation CTI

WORKSHOP SERIES

Germ-inhibiting surfaces reduce the adhesion and proliferation of microorganisms.

Participants of the workshop series discuss with experts new methods of surface structuring and coating as well as connected physical, chemical and biological mechanisms. Biocide-releasing systems will not be discussed.

WORKSHOP 1, June 30, 2014:

Surface structuring and physical coating

WORKSHOP 2, September 26, 2014:

Chemical-biological functionalization

WORKSHOP 3, October 22, 2014:

Measurement methods and application

PARTICIPANT BENEFIT

Participants discuss new strategies and innovation ideas. Experts contribute with essential knowledge. If desired, cooperations for practical implementation can be discussed.

ORGANIZER

With the knowledge and technology transfer network, the association NTN Innovative Surfaces facilitates the transfer of research-derived solutions into high impact surface technologies and products.

Join our group:

Verein NTN Innovative Oberflächen
Lerchenfeldstrasse 5
CH-9014 St. Gallen



info@innovativesurfaces.ch
www.innovativesurfaces.ch



PROGRAM WORKSHOP 3 Talks and slides English/German

13:30 Welcome and introduction

Moderation: Jörg Güttinger, Alessa Hool (MatSearch Consulting)

14:00 Isothermal Microcalorimetry (IMC): Real-time, continuous, quantitative measurement of biological processes in vitro

A.U. Daniels (Prof. em. University of Basel)

14:20 Applying IMC in Microbiology

Monika Astasov-Frauenhoffer (University of Basel)

14:40 Massenspektrometrie-basierte Bakterien-Identifikation (MALDI-TOF)

Matthias Wittwer (Spiez Laboratory)

15:00 Antimikrobielle Effizienz strukturierter Oberflächen: Eine Wirksamkeitsstudie der Sharklet™-Technologie im klinischen Umfeld

Kristin Pippig-Schmid (PIPPIG-SCHMID Aluminium + Oberflächen)

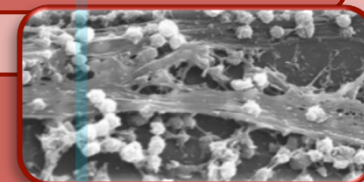
15:20 Coffee Break

16:00 Discussion

Potentials for application and innovation

Moderation: Jörg Güttinger, Alessa Hool

Around 18.00 Apéro, Networking



TOPIC WORKSHOP 3

Interactions between materials surfaces, biomolecules (proteins) and germs (bacteria, viruses, fungi, protozoa) are determined by a variety of factors. In the two earlier workshops of the series, different approaches to influence these factors were presented – e.g. alteration of the chemical composition of the material, surface charge and/or surface structure (topography). This third meeting of the series offers the possibility to discuss how the effects of the different surface modification methods can be measured and quantified. How are we able to identify specific microorganisms and monitor their activity and development? In addition to that, the discussion will also focus on practical requirements to apply these methods in a clinical environment and other areas, and the need for further R&D.

PARTICIPANTS

The seminar addresses researchers from industry and academia as well as decision makers in the field of new technologies and further development of existing solutions.