

4th Methods and Techniques Lectures
a joint seminar of the SFB 766 Bacterial Cell Envelope,
the GRK 1708 Bacterial Survival Strategies and
the Interfaculty Graduate School of Infection Biology and
Microbiology (IGIM)

**We cordially invite you to our Methods and Techniques Days
on 09.–10. December 2013, 8–13 h
Auf der Morgenstelle 3, Lecture hall N11**

Program: 9th December 2013

- 08:30-09:10 **Christoph Mayer – IMIT**
*Carbohydrate and peptidoglycan
analysis with HPLC and mass
spectrometry*
- 09:10-09:50 **Sven Nahnsen – QBIC**
*Quantitative Biology Center (QBiC):
From OMICS data generation to big
data and bioinformatics*
- 09:50-10:30 **Christopher Weidenmaier – IMIT**
*Prism – a program to analyse, graph
and present scientific data*
- Coffee-Break*
- 11:00-11:40 **Detlef Weigel –**
MPI for Developmental Biology
*Next-generation genetics enabled by
highthroughput sequencing
technologies*
- 11:40-12:20 **Jan Brocher – BioVoxel**
*Scientific image processing and
analysis – from specimen to high
quality data and figures*
- 12:20-13:00 **Thilo Stehle – IFIB**
Crystallisation and structural analysis

Program: 10th December 2013

- 08:00-09:00 **Monika Schütz/Jan Liese – IMIT**
*Available facilities and applications
– an overview: Limits and options
with laser-capture-microdissection
confocal & 2-photon microscopy*
- 09:00-09:40 **Erik Schäffer – ZMBP**
*Mechanical manipulation of single
biomolecules and cells using
optical tweezers*
- 09:40-10:20 **Iris Maldener/York Stierhof –**
IMIT/ZMBP
*Electron Microscopy for
Microbiologists at the University of
Tübingen*
- Coffee-Break*
- 10:40-11:20 **Diana Mader – UB Tübingen**
*The End of „Google-Mania“ –
successful literature research and
basics of citation*
- 11:20-11.40 **Andreas Kulik – IMIT**
*Applications and opportunities in
microbial fermentation*
- 11:40-12:20 **Lutz Heide – Pharmaceutical Biology**
Quantitative Real-Time PCR
- 12:20-13:00 **André Reinhard – ZMBP**
*Microscale Thermophoresis –
Investigation of molecular
interactions in biological extracts*

