



## EXZELLENZ INITIATIVE

### UNIVERSITY OF TÜBINGEN PLATFORM II: MEDICAL TECHNOLOGY

#### STEERING COMMITTEE

**Prof. Dr. Hans-Peter Rodemann**  
Radiation Biology

**Prof. Dr. Bernd Pichler**  
Preclinical Imaging and Radiopharmacy

**Prof. Dr. Tilman Schäffer**  
NanoBioPhysics and Medical Physics

**Prof. Dr. Arnulf Stenzl**  
Urology

**Prof. Dr. Hugo Hämmerle**  
NMI Natural and Medical Sciences

**Prof. Dr. Günter Gauglitz**  
Analytical Chemistry, Optical Spectroscopy

**Prof. Dr. Katja Schenke-Layland**  
Biomaterials, Regenerative Medicine

## GENERAL OUTLINES

- Once a month on a Wednesday
- Rotating Locations of the Lectures
- Duration of the Lectures:  
45 minutes + Discussion
- Begin of the Lectures:  
17.00 or 18.00

#### CHAIR: PLATFORM MEDICAL TECHNOLOGY

Prof. Dr. Bernd Pichler

#### PROGRAM COORDINATOR:

Claudia Zwingmann, PhD

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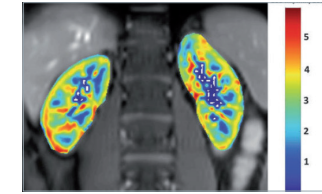
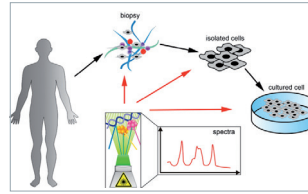
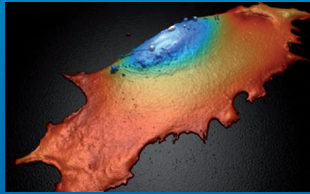
[www.preclinicalimaging.org](http://www.preclinicalimaging.org)



## LECTURE ROUND

EXCELLENCE INITIATIVE  
UNIVERSITY OF TUEBINGEN

Platform II: Medical Technology  
Winter Term 2014/2015  
October 2014 – March 2015



# INVITATION

The Excellence Initiative aims to promote cutting-edge research and to create outstanding conditions for young scientists at universities, to deepen cooperation between disciplines and institutions, to strengthen international cooperation of research, and to enhance the international appeal of Germany's top universities.

Due to world-recognised expertise in medical engineering, Tübingen is set to become an internationally renowned centre for medical technology. The Medical Technology platform at the University of Tübingen intends to pool the ground-level research for the applied development of new technological concepts, and also to develop initiatives and new multidisciplinary curricula with translation to other scientific areas of the University, the University Clinics and the Max Planck Institutes.

With this first lecture round we would like to give a broader audience the possibility to learn more about some key research projects within the Medical Technology platform, but also to give the possibility for students to chat with the speakers about future career plans within this cutting-edge platform. We cordially invite students, researchers, clinicians and friends to this lecture round.

Bernd Pichler, PhD

# PROGRAM

Date	Topic	Speaker	Location
22.10.2014 17.00 h	Enabling tools in the field of tissue engineering	<b>Prof. Dr. Katja Schenke-Layland</b> Women's Hospital	Hörsaal alte HNO, Silberstr. 5
12.11.2014 17.00 h	Untethered mobile milli/micro-robots for minimally invasive medical applications	<b>Prof. Dr. Metin Sitti</b> MPI for Intelligent Systems	Hörsaal im Max-Planck-Haus, Spemannstr. 36
10.12.2015 17.00 h	Scanning SQUID microscopy	<b>Prof. Dr. Reinhold Kleiner</b> Mat-Nat, Physikalisches Institut	Hörsaalzentrum Morgenstelle N1 (Erdgeschoss)
14.01.2015 17.00 h	Mechanics of cells and tissues by scanning probe microscopy	<b>Prof. Dr. Tilman Schäffer</b> NanoBioPhysics/ Medical Physics	Hörsaalzentrum Morgenstelle N1 (Erdgeschoss)
11.02.2015 18.00 h	Was machen eigentlich Ethiker_innen an der Universität. Ein Praxisbericht	<b>Prof. Dr. Thomas Potthast</b> IZEW	Raum 0.01, Wilhelmstr. 19
25.03.2015 17.00 h	Probing the brain with high magnetic fields	<b>Prof. Dr. Klaus Scheffler</b> MPI for Biological Systems	Hörsaal im Max-Planck-Haus Spemannstr. 36

# LOCATIONS



- 1 Hörsaal alte HNO, Silberstr. 5
- 2 Hörsaal im Max-Planck-Haus, Spemannstr. 36
- 3 Hörsaalzentrum Morgenstelle N1
- 4 Raum 0.01, Wilhelmstr. 19