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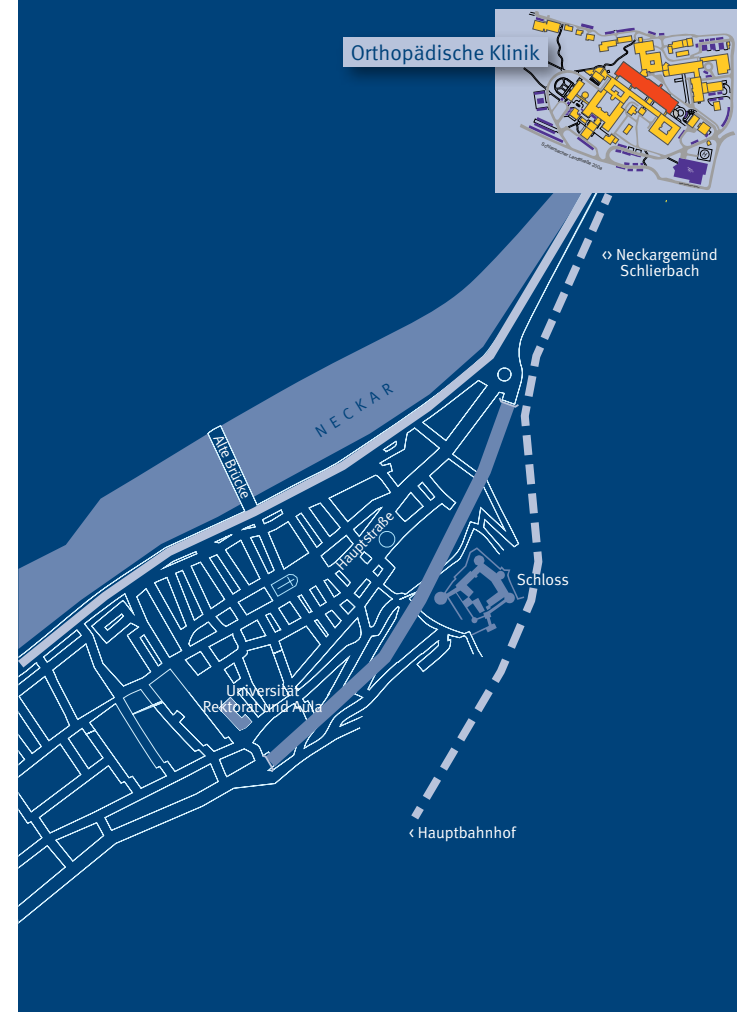
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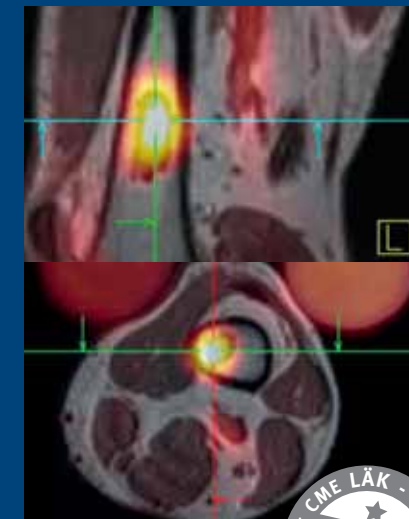


UniversitätsKlinikum Heidelberg

Heidelberg Summer School

Musculoskeletal Cross  
Sectional Imaging 2012

August 24<sup>th</sup> - August 25<sup>th</sup>, 2012



DIR Diagnostic  
Interventional  
Radiology

## Welcome Address

### Dear Colleagues and Friends,

The International Heidelberg Summer School on Musculoskeletal Cross Sectional Imaging in Heidelberg/Germany will advance the international exchange of knowledge, ideas and experience by bringing together physicians and professional staff from all over the world. The Summer School will be a yearly event and thus provide a continuous basis for academic exchange of medical, physical and technical know-how and advanced learning opportunities. All is necessary to fulfill the emerging clinical need for improved imaging diagnostics in the extensive field of musculoskeletal diseases. Additionally, we will learn about the application of innovative products provided by the industrial partners.

The Summer School will take place at the Department of Orthopedics, Traumatology and Spinal Cord Injury Center. "Life is movement" is the motto of the Heidelberg Orthopedic Hospital, which is the largest facility of its kind in Germany. However, this motto can also serve our Summer School reflecting the continuously changing imaging algorithms and technical innovations in radiology.

I am pleased to welcome you in Heidelberg also on behalf of the University of Heidelberg. The symposium will take place in the context of the 626th anniversary of the "Ruperto Carola University of Heidelberg", which is the oldest university in Germany and one of the oldest in Europe. For more than 600 years, our university has been a centre of international scientific and academic endeavours. In addition to our welcoming party, we hope you will take advantage of our offer to participate in the guided tour of the renowned Castle of Heidelberg and the Old Town that we have organized for you.

I am especially grateful to Siemens for their partnership and very generous financial support of our Summer School.

I hope for an interesting and inspiring meeting covering, both, refreshing and the latest advances in modern musculoskeletal imaging, as well as, an enjoyable stay in Heidelberg. Ruins of a castle full of secrets, a picturesque old quarter, the lovely Neckar Valley – this fascinating triad stands for Heidelberg, Germany's most romantic city with more than three million visitors every year enjoying the various places of interest and the pleasant atmosphere. I am sure you will also enjoy your participation!

**Marc-André Weber, MD MSc**

Professor of Radiology

## Programme *(All lectures are in English)*

### Day 1 (August 24<sup>th</sup>)

- 08:00 Registration  
 09:00 Short Introduction (*Weber-MA*)  
 09:05 Welcome address (*Schmidmaier-G*)
- Block 1 – Bone and soft-tissue tumors**  
*(chair: Egermann-M)*
- 09:10 Soft tissue sarcomas of the extremities (*Weber-MA*)  
 09:45 Sarcomas of the extremity bones (*Nöldge-G*)  
 10:20 Tumor-like lesions (*Nöbauer-Huhmann-IM*)  
 10:55 Therapy of bone and soft tissue sarcomas (*Egermann-M*)
- 11:30 Coffee break
- Block 2 – Spine** (*chair: Wiedenhöfer-B*)
- 11:45 Spondylodiscitis – revisited? (*Bäumer-P*)  
 12:15 Spinal trauma – MRI aspects? (*Bauer-JS*)
- 12:45 Lunch break and buffet
- Block 3 – Sports imaging** (*chair: Streich-N*)
- 14:15 Sports injuries from an orthopaedic point of view (*Fischer-C*)  
 14:40 MR imaging of muscle injuries in athletes (*Rehnitz-C*)  
 15:05 MR imaging of groin pain in athletes (*Zoga-AC*)  
 15:30 Bright spots in the subchondral bone - what could they mean? (*Grieser-T*)
- 15:55 Coffee break
- Block 4 – Whole-body MRI** (*chair: Weber-MA*)
- 16:15 Whole-body magnetic resonance imaging for MSK applications (*Weckbach-S*)  
 16:45 Imaging of multiple myeloma with focus on wb-MRI (*Hillengass-J*)
- 17:15 End of lectures at day 1 - Get together and buffet
- 20:00 Guided tour of the Castle of Heidelberg

### Day 2 (August 25<sup>th</sup>)

- 08:55 Welcome address (*Weber-MA*)
- Block 5 – Upper-extremity** (*chair: Fischer-C*)
- 09:00 MRI of the shoulder (*Libicher-M*)  
 09:35 MRI of the elbow joint - a diagnostic challenge (*Epermane-M*)  
 10:10 MRI of the hand- and wrist (*Wolf-MB*)  
 10:30 MRI in osteoarthritis and rheumatoid arthritis (*Plathow-C*)
- 10:50 Coffee break
- Block 6 – Lower-extremity** (*chair: Libicher-M*)
- 11:05 MRI of the knee (*Amarteifio-E*)  
 11:35 Postoperative imaging of the knee (*Verstraete-K*)  
 12:05 MRI of the foot and ankle (*Kloth-JK*)
- 12:35 Lunch break and buffet
- Block 7 – New (functional) methods of magnetic resonance imaging for MSK applications**  
*(chair: Semmler-W)*
- 13:50 Routine 3D magnetic resonance imaging of joints (*Kijowski-R*)  
 14:25 Functional cartilage imaging (*Reddy-R*)  
 15:00 MSK MR imaging beyond protons (*Nagel-AM*)  
 15:35 New technical developments in cartilage evaluation techniques (*Schwarz-R*)
- 16:10 Closing remarks (*Weber-MA*)  
 16:15 End of lecture program
- 16:15 Coffee break - Get together
- 16:30 Guided tour of the Old Town including the Market Square (Marktplatz), with the Church of the Holy Spirit (Heiliggeistkirche) and the nearby Old Bridge (*Kloth-JK*)  
 Alternative program: Visit of the 7-Tesla MRI unit at the German Cancer Research Center (*Nagel-AM*)
- 18:30 End of program

## Venue

The Summer School will take place at the Department of Orthopedics, Traumatology and Spinal Cord Injury Center, University Hospital Heidelberg.

### Address

Schlierbacher Landstraße 200a  
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 Internet: <http://www.heidelberg-university-hospital.com/About-us.10.o.html?&L=en>

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### CME Accreditation

The Summer School will be accredited by the „Landesärztekammer Baden-Württemberg“ with 15 CME credits (category A), which are recognised by all German Medical Chambers. Also, the symposium is accredited for 1 category 3 credit point for the ESSR diploma by the European Society of Musculoskeletal Radiology. A symposium related confirmation will be available during the meeting at the registration desk.

### Acknowledgement

This event is sponsored by Siemens.