

Invited Faculty

Oliver Bieri, Basel, CH
William Bugbee, La Jolla, US
Pieter Emans, Maastricht, NL
Simon Goertz, San Diego, USA
Charles Mamisch, Bern, CH
Stefan Marlovits, Vienna, AT
Stefan Nehrer, Krems, AT
Hollis Potter, New York, USA
Matthias Steinwachs, Zurich, CH
Francesca Vannini, Bologna, IT
Goetz Welsch, Erlangen, DE

Klaus Bohndorf, Augsburg, DE
Christine Chung, San Diego, US
Christian Glaser, Munich, DE
Thomas Link, San Francisco, US
Bert Mandelbaum, Santa Monica, US
Hans-Joerg Meisel, Halle, DE
Takashi Nishii, Osaka, JP
Lars Peterson, Gothenburg, SE
Frank Roemer, Augsburg, DE
Siegfried Trattnig, Vienna, AT
Carl Winalski, Cleveland, US

Registration & Fees

Registration is accepted online only through www.cartilage.org

	Until Aug 31 Early Fee	Sept 1 – Nov 15 Late Fee	From Nov 16 Onsite Fee
Residents / Students & Physiotherapists*	EUR 390.00*	EUR 490.00*	EUR 590.00*
ICRS-Members	EUR 490.00	EUR 590.00	EUR 690.00
Non-ICRS Members	EUR 590.00	EUR 690.00	EUR 790.00
Industry / Corp.	EUR 750.00	EUR 850.00	EUR 950.00

* to be accompanied by a certificate signed by the head of department.

Included in the Registration Fee

- Access to all sessions and industry exhibition
- Welcome Reception
- 4 x Coffee Break
- 2 x Lunche
- Hands-on Workshops & Round Tables

Course Directors

Siegfried Trattnig, AT
Goetz Welsch, DE

Course Venue

Vienna Medical University
Department of Radiology
Waehringer Guertel 18 - 20
AT-1090 - Vienna

Course Language

English

Accommodation

The ICRS has blocked rooms at special rates at the following recommended hotels:

Arcotel Wimberger ***+ Daily Rate: € 135 SGL / € 153 DBL
Motel One Vienna WB **+ Daily Rate: € 96 SGL / € 110 DBL
(Rates include breakfast, services & taxes)

Both Hotels offer a great „value for money“ and are ideally located in the city center with easy access to the ICRS course venue. All Rooms are equipped with a comfortable double bed, flat screen TV, WIFI, air conditioning, bathroom & hair dryer.

Please use the Booking Code: „ICRS Imaging“

For more information, and reservation please visit our website www.cartilage.org

Course Organizing Office

ICRS – Cartilage Executive Office (CEO) GmbH
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Faculty / Course Dinner

Take this unique opportunity to enhance your professional network with your colleagues and invited faculty in a relaxed and informal atmosphere. Sign-up for the course dinner, taking place on Friday from 20.00 – 23.00.

Rate: 80 Euros

Important dates

Please mark the following dates in your agenda:

Deadline Course Registration at highly reduced fee	August 31, 2012
Deadline Cancellation of Registration (refund 50%)	August 31, 2012
Deadline Cancellation of Registration (no refund)	November 15, 2012
Deadline Course Registration at normal Fee	November 15, 2012
Deadline Hotel Reservation	October 15, 2012

PRELIMINARY PROGRAMME

3rd ICRS Focus Meeting Cartilage Imaging

Vienna Medical University
Dept. of Radiology
Vienna – Austria

December 6 – 8, 2012



This course is limited to 100 participants

Updated Information:



For updated information (topics, faculty, registration fees, etc.)
please visit frequently our website www.cartilage.org



Welcome

The ICRS is dedicated to cartilage repair since 1997 and promotes re-search, evaluation and education to successfully treat cartilage defects. Studies revealed that a beneficial outcome of cartilage repair requires a thorough understanding of joint kinematics and associate pathologies. This is the reason for the placement of the ICRS Focus Meetings. This focus meeting will be the first ICRS imaging meeting. The meeting will be especially for orthopedic surgeons to improve their knowledge in imaging of their patients or in their studies, for Radiologists to see and learn the newest developments especially in MRI of cartilage repair and for basic scientists to gain knowledge about all available imaging modalities in-vivo and in-vitro. The reason to include imaging into the focus of the ICRS is its daily use in cartilage patients. We are working every day with different imaging modalities and their quality is very important for our ability to diagnose as well as follow-up patients. Within this focus meeting basic and advanced imaging techniques will be presented and discussed and attendees from all over the world will have the possibility to learn about the newest developments as well as the basics of imaging in cartilage repair. During different hands-on-workshops, the attendees will have the possi-bility to learn e.g. directly at the MR scanner, with experts next to them.

Industry Support & Exhibition

Industry Partners are invited to join this event and take the opportunity to be aware of technology currently in use in academic and clinical research for cartilage repair. Exhibition spaces and sponsorship opportunities are available to promote and enhance your organization's visibility for your company's products and services. Please contact Ruby Meier at sseiler@cartilage.org

Hot Topics

- Basics of MRI in cartilage and cartilage repair
- Advanced MRI techniques in cartilage and cartilage repair
- Biochemical / functional MRI techniques
- Advanced MRI of the meniscus and tendons
- Imaging protocols in the hip, the ankle and the spine
- Imaging in animal models, in-vitro imaging
- Other modalities (Ultrasound, CT, Micro-CT, MR-PET)

Plus

- Ultra-high field MRI
- Symposium: MRI in Sports Medicine
- Hands-on-workshops
- Improve your own imaging skills and imaging protocols

PRELIMINARY PROGRAMME

Thursday, 6 December 2012

10.00 – 13.00	Registration
13.00 – 15.00	Basics of MRI in Cartilage and Cartilage Repair Welcome address – Trattnig, Welsch MRI Requirements: Scanners, coils, sequences, clinical pathways – Winalski Time points to image cartilage patients: Pre- and post operatively – Mamisch New morphological 3D Sequences – near future of joint and cartilage imaging – Link Whole Knee Scoring Systems (WORMS/MOAKS) – Roemer Scoring Systems (MOCART / 3D MOCART) – Marlovits
15.15 – 16.30	Biochemical MRI of Cartilage Repair I Overview: How to image what – Trattnig Marlovits dGEMRIC – Nieminen T2 – Glaser T2* & other new T2 methodologies – Welsch Diffusion Weighted Imaging – Bieri
16.30 – 17.00	Coffee Break / Exhibition
17.00 – 18.15	Biochemical MRI of Cartilage Repair II T1rho – Potter UTE & VTE – Chung CEST & MT – Schmidt Sodium – Trattnig Biomechanical MRI – Nishii
18.15 – 19.00	Symposium: MRI in Sports Medicine
19.30 – 21.30	Welcome Reception

Friday, 7 December 2012

08.00 – 09.30	Advanced MRI imaging strategies Imaging strategies in cartilage lesions – Potter Cartilage repair patient: Cartilage Defect – Steinwachs Imaging strategies in Osteochondral lesions – Bohndorf Cartilage repair patient: Osteochondral defect – Goertz Imaging strategies in (advanced) clinical routine: Diagnosis and Follow-up – Trattnig Knee patient in clinical routine – Marlovits Imaging strategies in clinical studies – Welsch Cartilage repair patient in a clinical trial – Saris
09.30 – 10.00	Coffee Break / Exhibition
10.00 – 11.00	Imaging of the meniscus and the intervertebral disc Morphological MRI of the Meniscus – Bohndorf Meniscal Repair: Patient case – Nehrer Biochemical MRI of the Meniscus – Chung Meniscal Transplantation: Patient case – Fink Morphological and Biochemical MRI of the intervertebral disc Disc Chondrocyte Transplantation – Meisel Advanced MRI of the tendons and cruciate ligaments – Glaser ACL patient: pre- and post-OP – Mandelbaum

PRELIMINARY PROGRAMME

11.15 – 12.30	Imaging of the Ligaments and Tendons, Imaging of the Ankle and the Hip Perspectives in whole joint imaging: „One-stop shopping“ – Link Patient: Cartilage repair, ACL and Meniscus – Fink Morphological MRI of the hip – Noebauer Cartilage (hip) patient – Stelzeneder Biochemical MRI of the hip – Mamisch Patient with Femoroacetabular impingement – Aprich Morphological MRI of the ankle – Roemer Cartilage (ankle) patient: Macht – Vannini Biochemical MRI of the ankle – Domayer Cartilage (ankle) patient: Allograft – Bugbee
12.00 – 14.00	Lunch / Industry Symposia
14.00 – 18.00	Hands-on Workshops (MR Centre of Excellence) Morphological and Biochemical Imaging in Cartilage Repair
14.00 – 18.00	Round Tables: What is a good imaging protocol (diagnosis, pre-operatively, basics)? What is a good imaging protocol (follow-up, studies?“ Higher, faster, further“ – 1.5 Tesla, 3 Tesla, 7 Tesla...
20.00 – 23.00	Course / Faculty Dinner

Saturday, 8 December 2012

08.30 – 09.45	MRI in different cartilage repair techniques MFX – Mandelbaum & Link ACT – Peterson & Winalski MACT – Saris & Glaser Mosaicplasty, Osteochondral Transfer – Marlovits & Potter Osteochondral Allografts –Bugbee & Chung
09.45 – 10.15	Coffee Break
10.15– 11.15	MRI in Animal models / ex vivo Basics and pre-conditions for animal imaging – Jurvelin Biochemical MRI in animal models – Nieminen CT and other modalities in animal imaging – Goertz Round Table: What do we need to image – what can we image?
11.30 – 12.00	Ultra High-Field Imaging of cartilage Clinical applications at 7 Tesla – is there a need for higher fields – Welsch Scientific and future applications at 7 Tesla – Trattnig
12.00 – 13.00	Other imaging methodologies The role of radiography in cartilage/joint imaging – Noebauer Ultrasound: Future perspectives – Jurvelin CT- and Micro CT: Joint imaging – Winalski Upcoming imaging technologies / MR-PET – Trattnig
13.00 – 16.00	Lunch and Farewell