



**P**ARACELSUS  
MEDIZINISCHE PRIVATUNIVERSITÄT



# 5<sup>th</sup> International Workshop on Osteoarthritis Imaging

**Salzburg, Austria. June 8-11, 2011**

*From Joint Anatomy to Clinical Outcomes in OA and Cartilage Repair*



### **Local Organizers:**

Felix Eckstein, Andrea Studnicka, Rosemarie Forstner, Siegfried Trattnig, Frank Roemer.

**Scientific Program Committee:** Gillian Hawker, Mika Nieminen, Siegfried Trattnig, David Hunter

### ***Rationale***

The primary goals of the proposed workshop are:

1. to revisit human joint anatomy and to relate state of the art imaging biomarkers to human joint anatomy
2. to promote discussion and cross fertilization between junior and senior investigators, method developers (radiologists, physicists, software and other engineers, imaging scientists, image analysis experts), method users (epidemiologists, rheumatologists, orthopaedic researchers and surgeons, physical and occupational therapists, medical device manufacturers, pharmaceutical industry) and regulatory agencies in context of imaging biomarkers of osteoarthritis.
3. to present/discuss recent data on the relationship of cartilage repair to imaging biomarkers and clinical outcomes
4. to present and discuss the most recent data and concepts on the relationship of imaging biomarkers and clinical outcomes in osteoarthritis (OA)



### ***Venue***

The meeting will take place on the campus of the Paracelsus Medical University in Salzburg, Austria, located in walking distance from the city center of Salzburg and from all larger and smaller hotels in Salzburg. Additionally, budget accommodation will be available to young investigators in Freilassing, which has a direct bus connection to PMU. Coffee breaks, lunches and dinners will be organized at the University in a way that the attendees will be able to spend the entire day together and so that breaks between sessions are used optimally for interaction and discussion. The precourse will take place in the two anatomy dissection labs of PMU, oral presentations will be given at the PMU lecture hall, and the poster session will be hosted in the PMU library.

### ***Deadlines***

Any time	Send your E-mail address to <a href="mailto:helga.leidinger@pmu.ac.at">helga.leidinger@pmu.ac.at</a> to receive updates on the conference
<b>January 2011</b>	Webpage up and registration open
<b>March 15<sup>th</sup>, 2011</b>	End of early pre-registration: <b>390€* attendant / 140€* student</b>
<b>April 30<sup>th</sup>, 2011</b>	Abstract Submission
	End of pre-registration: 540€* attendant / 240€* student
<b>June 8<sup>th</sup>, 2011</b>	Onsite registration: 690€* attendant / 340€* student

\*Registration fees include:

- a) Admission to all sessions of the conference, lunches on June 8<sup>th</sup>, 9<sup>th</sup> and 10<sup>th</sup>, and the Conference dinner June 9<sup>th</sup>.  
Non OARSI members pay an additional fee of 50€, unless they become a member at registration

## PRELIMINARY PROGRAM (Status September 20<sup>th</sup>, 2010)

### June 8<sup>th</sup>, 2011 (Day 1)

#### 9:30-12:30 **Precourse in joint anatomy**

This educational session is primarily targeted at junior (and interested senior) investigators. The participants will receive small group, practical, hands-on tutorials on all major human joints (knee, hip, shoulder elbow, hand, foot) and the spine in the dissection labs of Paracelsus Medical University and will be given the opportunity to study relevant structures of diarthrodial joints



#### 13.30 – 14.00 **Introduction**

#### 14.00 – 15.30 **Module 1: Imaging biomarkers and clinical outcomes in cartilage repair**

*Sample guiding question: What clinical outcomes should be used in cartilage repair and which imaging biomarkers predict these most effectively?*



#### Invited Lectures:

Christoph Erggelet, Educatis University, Altdorf, Switzerland  
*Surgical cartilage repair techniques and their applicability to osteoarthritis*

Siegfried Trattnig, Center of Excellence for High Field MR, Medical University of Vienna, Austria  
*Imaging techniques and biomarkers for monitoring cartilage repair*

Stefan Marlovits, Medical University of Vienna, Austria  
*Clinical outcomes and their relationship with imaging biomarkers for cartilage repair*

#### 16.15 – 17.45 **Module 2: 6 presentations selected from abstracts (cartilage repair)**

18.00 – 19.00 Corporate Round Table

## **June 9<sup>th</sup>, 2011 DAY 2**

9.00 – 10.30 **Module 3:** 6 presentations selected from abstracts (large clinical trials)

11.00 – 12.30 **Module 4:** **The Osteoarthritis Initiative (OAI)**

*Sample guiding question: What have we learned from the OAI and where do we go?*

### Invited Lectures:

Michael Nevitt, University of California, USA

*Rates of structural OA progression (X-ray and MRI) in the OAI (and other epidemiological studies)*

Kent Kwok, University of Pittsburgh, USA

*Relating structural OA progression (X-ray and MRI) to clinical outcomes in the OAI*

Gayle Lester, National Institutes of Health (NIH), USA

*Current status, future perspectives and funding opportunities for the OAI and OA research*

13:30- 14:30 **Module 5:** **Young Investigator session:**  
**4 top presentations of young investigators selected from abstracts.**



14:30- 17:30 **Module 6:** **POSTER SESSION**

14:30 – 15.30 Section 1

15.30 – 16.30 Section 2

16:30 – 17:30 Section 3

**18.30 CONFERENCE DINNER @ PMU**

## **June 10<sup>th</sup>, 2011 DAY 3**

9.00 – 10.15 **Module 7:** 5 presentations selected from abstracts (clinical outcomes)

10.45 - 12.00 **Module 8:** 5 presentations selected from abstracts (treatment effects)

13.00 – 15.00 **Module 9:** Relationships of imaging biomarkers with clinical outcome.  
*Sample guiding question: What clinical outcomes should be used in OA and which imaging biomarkers predict these most effectively?*

### Invited Lectures:

Gillian Hawker, Women's College Hospital, University of Toronto, Canada  
*Clinical outcomes: What is the choice in OA?*

Tuhina Neogi, Boston University, USA  
*Review of the relationship between X-ray biomarkers and clinical outcomes in OA*

David Hunter, University of Sydney, Australia  
*Review of the relationship between MR imaging biomarkers and clinical outcomes in OA*

Gloria Matthews, Genzyme Corp., Cambridge, USA  
*What requirements does an imaging biomarker need to satisfy to be useful in cartilage repair evaluation and DMOAD development?*

15:30 – 17:30 **Module 10: Round table discussion**

*Sample guiding question: How can we clinically validate and qualify existing imaging biomarkers for cartilage repair and osteoarthritis?*

19:00 **Beer Garden Event in BAVARIA**



## June 11<sup>th</sup>, 2011 DAY 4

9.00 – 18.00 Break Out Groups deepening and continuing discussions initiated at the workshop, to take place during a trip to the Salzkammergut, including a **steam boat ride** across Lake Wolfgang and a **stream train ride** to the summit of the spectacular **Schafberg**.



# June 11<sup>th</sup>, 2011 DAY 4

20:00

Chill out at Hangar 7 (Salzburg Airport)

