



Conference participation

Posters, presentations and abstracts presented at conferences

2014

April 24–27:

OARSI (World Congress on Osteoarthritis)

- Boeth et al. (Charité, Berlin): "Subregional knee cartilage thinning or thickening is age-dependent and is associated with serum biomarkers in adolescent and mature volleyball athletes" ([Abstract](#))
- Cotofana et al. (Medical University Salzburg): "Change in cartilage thickness in the femoropatellar joint after acute anterior cruciate ligament tear – long-term follow-up" ([Abstract](#) and [Poster](#))
- Cotofana et al. (Medical University Salzburg): "Knee cartilage and quadriceps muscle loss after posterior crucial ligament (PCL) injury" ([Abstract](#))
- Eckstein et al. (Medical University Salzburg): "Sex differences in quadriceps muscle and femoral bone cross sectional areas in adolescent and mature volleyball athletes" ([Abstract](#))
- Eckstein et al. (Medical University Salzburg): "Subregional but not total plate cartilage change differ between early and late follow-up after anterior cruciate ligament rupture" ([Abstract](#))
- Frobell et al. (Lund University): "The relation between serum COMP and CILP concentrations and MRI subregional cartilage thickness change over the first five years after acute ACL injury – data from the KANON-trial" ([Abstract](#))
- Frobell et al. (Lund University): "The relation between serum COMP and CILP concentrations and MRI subregional cartilage thickness change over the first five years after acute ACL injury – data from the KANON-trial" ([Abstract](#))
- Pramhed et al. (AnaMar AB, Lund): "Longitudinal study of Cartilage Intermediate Layer Protein and Cartilage Oligomeric Matrix Protein over 5 years after anterior cruciate ligament rupture" ([Abstract](#))
- Tamm et al.: "Knee function and KOOS index in subjects with different radiographic types of knee osteoarthritis in an Estonian longitudinal study" ([Poster](#))
- Wirth et al. (Medical University Salzburg): "Longitudinal, layer-specific cartilage composition change (T2) during maturation and degeneration" ([Abstract](#))

2013

November 13–14:

Berlin

Contact

Administrative Coordination: Europäische Akademie zur Erforschung von Folgen wissenschaftlich-technischer Entwicklungen Bad Neuenahr-Ahrweiler GmbH, Wilhelmstr. 56, 53474 Bad Neuenahr-Ahrweiler (Germany)
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- Broschard (Merck Serono): „[1. FachDialog Nanomedizin](#)“

November 7–9:

Baltic Morphology VII Scientific Conference, Riga

- Arend et al. (Tartu University): “Putative markers of osteoarthritis and their detection in the knee joint cartilage and synovium” ([Abstract](#))

November 7–9:

Osteoarthritis, Riga

- Arend et al. (University of Tartu): “Putative markers of osteoarthritis and their detection in the knee Joint cartilage and synovium” ([Abstract](#))

November 4:

BMC

- Klint (AnaMar AB, Lund): “Heterofila antikroppar i immunologiska assays” ([Presentation](#))

October 26–30:

ACR Congress, San Diego (American College of Rheumatology)

- Strehl et al. (Charité, Berlin): “Impact of PVA coated Nanoparticles on cellular viability and functionality of immune cells obtained from healthy donors and patients with rheumatoid arthritis or osteoarthritis” ([Presentation](#))
- Vermeij et al. (Radboud University Nijmegen): “Disease-regulated Local Interleukin-10 Gene Therapy Diminishes Synovitis and Articular Cartilage Damage in Experimental Arthritis” ([Presentation](#))
- Wirth et al. (Medical University Salzburg): “Does Change in Femorotibial Cartilage Thickness Differ Between Acutely Anterior-Cruciate Ligament Injured Knees Treated with and without Reconstructive Surgery” ([Presentation](#) and [Abstract](#))
- Eckstein et al. (Medical University Salzburg): “Longitudinal femorotibial cartilage thickness increase in young adolescent (vs. mature) athletes” ([Presentation](#) and [Abstract](#))

October 23–26:

Madrid

- Broeren et al. (Radboud University Nijmegen): “Disease-regulated Local Interleukin-10 Gene Therapy Diminishes Synovitis and Articular Cartilage Damage in Experimental Arthritis” ([Presentation](#))

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September 25:

Würzburg

- Cotofana et al. (Medical University Salzburg): "Patterns of Knee Cartilage Thickness Loss after Posterior Crucial Ligament Injury" ([Poster](#) and [Abstract](#))
- Eckstein et al. (Medical University Salzburg): "Longitudinal Change in Knee Cartilage Thickness and Subchondral Bone Area in Adolescent (and Mature) Athletes" ([Poster](#) and [Abstract](#))

July 6–7:

INN13 (Nanotexnology, Thessaloniki)

- Hofmann et al. (EPF, Lausanne): "Reactivity, Solubility, Colloidal Stability: How can we predict these important properties for nanoparticles?" ([Presentation](#))

June:

DGFB

- Eckstein et al. (Medical University Salzburg): "Knee Cartilage Thickness Change within 5 Years after an ACL Tear: With and without Reconstructive Surgery" ([Presentation](#) and [Abstract](#))

June 16:

UniTokyo Symposium

- Hofmann (EPF, Lausanne): "SPION as Multifunctional Contrast Agent for Molecular Imaging" ([Presentation](#))

May 30:

SSR, Lucerne

- Crowe et al. (University of Geneva): "MR imaging on a clinical 3T system of ex-vivo mouse joints with SPION uptake in an arthritis model using 3D difference Ultrashort Echo Time images" ([Poster](#))
- Crowe et al. (University of Geneva): "Quantification of inhomogeneous iron oxide uptake over a 3D volume in a small animal arthritis model using dUTE MRI and customized segmentation software" ([Presentation](#))

April 20–26:

International Society of Magnetic Resonance in Medicine

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- Crowe et al. (University of Geneva): "MR imaging of ex-vivo mouse joints on a clinical 3T system with diagnostic SPION imaging using dUTE in an arthritis model" ([Presentation](#) and [Poster](#))
- Crowe et al. (University of Geneva): "Quantification of inhomogeneous iron oxide uptake in a model of AIA in rat" ([Poster](#))

April 21:

ISMRM, Philadelphia

- Cotofana et al. (Medical University Salzburg): "Change in cartilage thickness in the femoropatellar joint after acute anterior cruciate ligament tear – long-term follow-up" ([Poster](#) and [Abstract](#))
- Cotofana et al. (Medical Salzburg University): "Quantitative change in cartilage thickness in the femoropatellar joint after acute anterior cruciate ligament tear – long-term follow-up" ([Abstract](#))
- Eckstein (Medical University Salzburg): "Prolonged Subregional Femoro-Tibial Cartilage Increase after ACL Tear – 5-Year Follow-Up" ([Presentation](#))

April 21:

DGFB, Philadelphia

- Cotofana et al. (Medical University Salzburg): "Change in Cartilage Thickness in the Femoro-Tatellar Joint after Acute Anterior Cruciate Ligament Tear – Long Term Follow-Up" ([Poster](#))

April 20:

ISMRM, Salt Lake City

- Eckstein et al. (Medical University Salzburg): "Prolonged subregional femorotibial cartilage increase after acute anterior cruciate ligament tear – five year follow-up data after injury" ([Abstract](#))

April 18-21:

OARSI, Philadelphia

- Eckstein et al. (Medical University Salzburg): "Age- and Sexdependence of Femorotibial Cartilage Change after ACL-Tear – 5-Year Follow-Up in the Kanon Study" ([Poster](#) and [Abstract](#))
- Cotofana et al. (Medical University Salzburg): "Change in Cartilage Thickness in the Femoro-Patellar Joint after Acute Anterior Cruciate Ligament Tear – Long Term Follow-Up" ([Presentation](#) and [Abstract](#))
- Wirth et al. (Medical University Salzburg): "Does Cartilage Thickness change differ between ACL Deficient Knees with and without Reconstruction Surgery" ([Presentation](#) and [Abstract](#))

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NanoDiaRA

Particles, Molecules & Cells · Diagnosis in-vitro
 & in-vivo · Rheumatoid Arthritis & Osteoarthritis



March 22–25:

Magdeburg

- Sebastian Cotofana et al. (Medical University Salzburg): "Long-term follow-up of femoropatellar cartilage thickness change after acute anterior cruciate ligament tear" ([Abstract](#))

March 15–16:

Lunteren

- Eline Vermeij et al. (Radboud University Nijmegen): "Intra-articular overexpression of interleukin-10 using disease-inducible promoters diminished synovitis and cartilage proteoglycan depletion in experimental arthritis" ([Presentation](#))

March 6–10:

European Congress of Radiology, Vienna

- Crowe et al. (University of Geneva/EPF Lausanne/University of Fribourg): "Quantification of inhomogeneous SPION uptake over a 3D volume in a small animal arthritis model using 3T dUTE MRI and customized segmentation software" ([Presentation and Abstract](#))
- Crowe et al. (University of Geneva/University of Nijmegen/EPF Lausanne/University of Fribourg): "MR imaging of ex-vivo mouse joints with SPION uptake in an arthritis model using 3D difference Ultrashort Echo Time images on a clinical 3T system"

January 26–29:

Orthopaedic Research Society Meeting, San Antonio, Texas

- Boeth et al. (Charité Berlin): "ACL deficient patients with passive knee joint laxity have a decreased range of anterior-posterior motion during active movements"

January 15:

Portoroz

- Hofman (Powder Technology Laboratory): "Inorganic Nanoparticles for medical applications" ([Presentation](#))

January 13–18:

Swissmedic, Kandersteg

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- Hofman (Powder Technology Laboratory): "Inorganic nanoparticles for medical applications: Opportunities, Challenges and Risks" ([Presentation](#))

January 01:

US

- Maurizi et al. (EPF, Lausanne): "Effect of charge and coating on superparamagnetic iron oxide nanoparticles (SPION) proteins interactions: in vitro and biodistribution studies" ([Poster](#))

2012

November 13–15:

NanoSafe, Grenoble

- Beuzelin et al. (EPF Lausanne/MatSearch): "Managing Operation Procedures in Collaborative Projects"
- Sakulkhu et al. (EPF Lausanne/University of Geneva): "Effects of different surface charge based Superparamagnetic Iron Oxide Nanoparticles (SPION) on biodistribution in rat and protein fishing"
- Maurizi et al. (EPF Lausanne/University of Geneva): "Non destructive and fast method for the detection of superparamagnetic iron oxide nanoparticles (SPION) biodistribution based on their magnetic properties"

July 23–26:

Nanobio, Seattle

- Sakulkhu et al. (EPF Lausanne): "Different Surface Superparamagnetic Iron Oxide Nanoparticles and Their Behaviour in Biological Environment"

July 12:

Hilton Head, South Carolina (USA)

- Wirth et al. (PMU Salzburg/Lund University): "Acute Anterior Cruciate ligament injury causes cartilage thickness increase over two and five years" ([Presentation](#) and [Abstract](#))
- Frobell et al. (Lund University/PMU Salzburg): "Clinical outcome and morphometry over two and five years – data from a treatment RCT on acute ACL injury" ([Presentation](#) and [Abstract](#))

June 6–9:

EULAR, Berlin

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- Gramoun et al. (University of Geneva, University of Nijmegen): "Advantages of Non-invasive Imaging Techniques in Monitoring Antigen Induced Arthritis Rat Model"

July 1–3:

International Nanomedicine Conference, Sydney

- Schulze et al. (Charité Berlin): "Influence of superparamagnetic iron oxide nanoparticles on mesenchymal stromal cells - *in vitro* and *ex vivo* investigations"

June 19–21:

Industrial Technologies 2012, Aarhus

- Hool et al. (MatSearch): "Electronic Sample Book for collaborative projects"
- Hofmann et al. (EPF Lausanne): "Presentation of the reactors" (Exhibitions)

July 1–4:

Congress of the European Society of Biomechanics, Lisbon

- Taylor, Fröhlich, Buttgereit, Ehrig, Witaschek, Duda (Charité Berlin): "Glucocorticoid medication reduces metacarpophalangeal joint stiffness in patients affected by rheumatoid arthritis" (oral presentation)

May 22–24:

Swiss NanoConvention 2012, Lausanne

- Maurizi et al. (EPF Lausanne): "Iron oxide nanoparticles (SPION): a multifunctional tool for medical applications"

May 11:

ISMRM, Melbourne

- Crowe et al. (University of Geneva): "Concentration dynamic response assessment for intra-articular injected iron-oxide nanoparticles" ([Presentation](#) and [Poster](#))
- Crowe (University of Geneva): "Use of a Clinical Scanner: What's Possible?"
- Crowe et al. (University of Geneva/University of Nijmegen): "'MultiPaw': High Throughput MR Imaging of *Ex Vivo* AIA Mouse Joints with Injected SPIONs on a Clinical 3T System" ([Presentation](#) and [Poster](#))

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NanoDiaRA

Particles, Molecules & Cells · Diagnosis in-vitro
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May 7–9:

CLINAM 2012, Basel

- Mehlich (Europäische Akademie): "Nanoparticles for medical purposes – Technical, medical and ethical aspects"

April 19/20:

NanoDiaRA Spring Conference 2012, Berlin

- Schulze et al. (Charité Berlin): "Functional relevant effects of superparamagnetic iron oxide nanoparticles on mesenchymal stromal cells"
- Strehl et al. (Charité Berlin): "Influence of PVA coated nanoparticles on survival and functionality of human immune cells"

March 12:

OARSI World Congress, Barcelona

- Tamm et al. (Tartu University): "Lower limb functional abilities in middle-aged Estonian population with different radiographic grade"

March 1–5:

European Congress of Radiology, Vienna

- Crowe et al. (University of Geneva, EPF Lausanne, University of Fribourg): "Difference-Ultrashort TE MRI for concentration assessment of intra-articular injected iron-oxide nanoparticles"

2011

December 14:

Meeting EU Cluster "Targeted Nanopharmaceuticals and Early Diagnostics"

- Hool et al. (MatSearch): "Electronic Sample Book (ESB) for collaborative projects"

November 19:

Lecture series "Nanomedicine", Adult Education Center Bern, Switzerland

- Hofmann-Amtenbrink (MatSearch): "European Research for patient's benefits" (German)

October 19–21:

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Forum "European Technology Platform for Nanomedicine", Barcelona, Spain

- Hofmann-Amtembrink (MatSearch): "Nanoparticle approaches for diagnostic and therapy: scientific promises and industrial expectation – Example rheumatoid arthritis and osteoarthritis"

October 5–7:

4th NanoDiaRA Scientific Meeting, Salzburg

- Sakulkhu et al. (EPF Lausanne): "Nanoparticles-Protein Corona Complex and Particle behaviour"

June 9–11:

Annual Meeting of the Swiss Society of Radiology, Interlaken

- Crowe, Tobalem et al. (University of Geneva/University of Nijmegen): "Progression of an antigen-induced arthritis model in rat assessed by MRI"

May 31–June 1:

EuroNanoForum, Budapest, Hungary

- Hofmann-Amtenbrink et al. (MatSearch/EPF Lausanne): "Nanoparticles for Theragnostic Applications"
- Hool et al. (MatSearch): "Electronic Tool for scientific documentation, supervision and exchange in collaborative projects"

May 23–25:

"CLINAM" – Congress of the European Foundation for Clinical Nanomedicine, Basel, Switzerland

- Hofmann-Amtenbrink et al. (MatSearch, EPF Lausanne): "Development of novel nanotechnology based diagnostic systems for Rheumatoid Arthritis and Osteoarthritis"

May 7–13:

International Society of Magnetic Resonance in Medicine

- Crowe, Tobalem et al. (University of Geneva/University of Nijmegen): "Progression of an antigen-induced arthritis model in rat assessed by MRI"

March 23–24:

"Advanced Technologies for an Ageing Population", Glasgow, Scotland

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- Hofmann-Amtenbrink (MatSearch): "Nanotechnologies for the early diagnosis of Rheumatoid Arthritis and Osteoarthritis"

March 3–7:

European Congress of Radiology, Vienna

- Crowe et al. (University of Geneva, University of Nijmegen): "Progression of an antigen-induced arthritis model in rat assessed by T2 and T1 MRI"

March 1–3:

3rd NanoDiaRA Scientific Meeting, Fribourg

- Boeth et al. (Charité Berlin): "Characterization of joint instability and cartilage changes in early knee OA"
- Prajapati et al. (EPF Lausanne): "Multiple Magnetic Fixed Bed Reactor for Reproducible Coating of SPIONs"
- Bernau et al. (EPF Lausanne): "Understanding the colloidal behavior of nanosized iron oxide particles in complex biological environment"

February 14–17:

NanolImpactNet, Lausanne, Switzerland

- Sakulkhu (EPF Lausanne) et al.: "Nanoparticles and their behaviour in biological fluids"
- Hofmann (EPF Lausanne): "Building a bridge from NanolImpactNet to nanomedical research"
- Hofmann-Amtenbrink (MatSearch): "Development of Novel Nanotechnology Based Diagnostic Systems for Rheumatoid Arthritis and Osteoarthritis (NanoDiaRA)"

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