



Knorpelnetz der Großregion
Réseau du Cartilage de la Grande Région
Cartilage Net of the Greater Region

The Chair of Experimental Orthopaedics and Osteoarthritis Research at the Saarland University represents the first Chair of its kind in Germany. Its origin lies in the foundation of the "Laboratory for Experimental Orthopaedics" at the Department of Orthopaedic Surgery, Medical Faculty of Saarland University, in 2000 through the initiative of the Chairman of the Department, Prof. Dr. med. Dieter Kohn. In October 2009, the laboratory was elevated to the Chair of Experimental Orthopaedics and Osteoarthritis Research at the Saarland University. The Center of Experimental Orthopaedics and Osteoarthritis Research was founded in 2010. Together with the Christa Huberti Endowed Chair of Experimental Orthopaedics and Osteoarthritis Research, the chair was mainly supported in the years 2009 - 2014 through the foundation "Deutsche Arthrose-Hilfe e.V." Since 2014, the Chair of Experimental Orthopaedics is supported by the Saarland University.

Saarland University
Chair of Experimental Orthopaedics and Osteoarthritis Research
Prof. Dr. Henning Madry

Symposium in honor of
Prof. Dr. Mitsuo Ochi
Prof. Dr. Toshiyuki Sato
Hiroshima University, Japan



Translational osteocondral repair

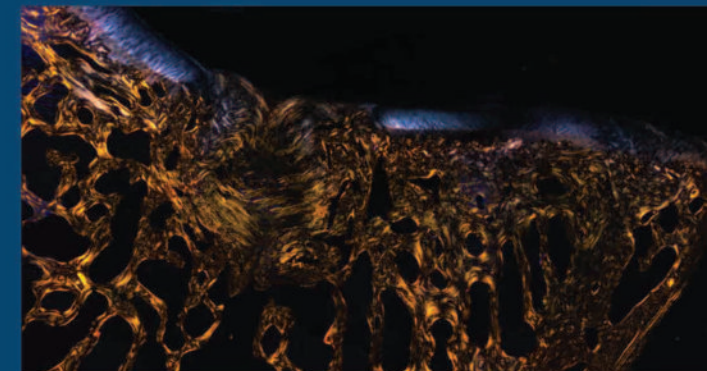
May 4th, 2017

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Venue:
Center of Experimental Orthopaedics
Saarland University, Homburg
Faculty of Medicine, Building 37, Library,
Department of Orthopaedic Surgery

Welcome to Homburg/Saar!



The Center of Experimental Orthopaedics is investigating new strategies to regenerate damaged articular cartilage and other musculoskeletal tissues to restore their original functionality. The focus of our experimental work is to study the basic processes in cartilage development and cartilage regeneration. Based on clinical needs, we are developing molecular therapies for the treatment of focal cartilage defects in non-osteoarthritic joints, meniscal lesions and osteoarthritis. Another part of our research involves the development of tissue engineered articular cartilage. Using gene transfer technology, the function of tissue engineered cartilage can be improved. Our aim for the future is to develop improved therapeutic strategies for articular cartilage defects, meniscal lesions and osteoarthritis based on developments in stem cell research, gene transfer and tissue engineering. Our research is conducted in close cooperation with national and international collaborators and funded by the Deutsche Forschungsgemeinschaft (DFG), Bundesministerium für Bildung und Forschung (BMBF), the AO Foundation (AO), the Deutsche Arthrosehilfe (DAH), the Gesellschaft für Arthroskopie und Gelenkchirurgie (AGA) and others.

We hope you will enjoy our symposium!

Univ.-Prof. Dr. med. Henning Madry
Chairman

May 4th 2017

09:00	Welcome Henning Madry, Magali Cucchiarini
09:05	Welcome from the Dean Michael Menger
09:10	Welcome from Department of Orthopaedic Surgery Dieter Kohn
09:15	An overview of rAAV-mediated therapeutic human regenerative medicine Magali Cucchiarini
09:20	Role of the subchondral bone in articular cartilage repair Patrick Orth
09:25	High resolution imaging of the osteochondral unit Lars Goebel
09:35	rAAV-controlled delivery systems for cartilage repair Ana Rey Rico
09:40	Biomechanical stimulation and cartilage gene therapy Jagadeesh K.Venkatesan
09:45	Combined TGF-β and sox9 gene transfer yields superior chondrogenesis Ke Tao
09:50	Novel translational aspects of marrow stimulation Liang Gao
09:55	Conclusion Henning Madry, Magali Cucchiarini

Coffee and refreshments will be available

Speakers

Prof. Dr. med. H. Madry
Chair of Experimental Orthopaedics and Osteoarthritis Research, Saarland University, Homburg/Saar

Prof. Dr. rer. nat. M. Cucchiarini
Vice Chair of Experimental Orthopaedics and Osteoarthritis Research, Saarland University, Homburg/Saar

Prof. Dr. med. M. Menger
Dean of the Medical Faculty, Saarland University, Homburg/Saar

Prof. Dr. med. D. Kohn
Chair of Department of Orthopaedics and Orthopaedic Surgery, Saarland University Medical Center, Homburg/Saar

PD Dr. med. P. Orth
Center of Experimental Orthopaedics, Saarland University, Homburg/Saar and Department of Orthopaedics and Orthopaedic Surgery, Saarland University Medical Center, Homburg/Saar

Dr. med. L. Goebel
Center of Experimental Orthopaedics, Saarland University, Homburg/Saar and Department of Orthopaedics and Orthopaedic Surgery, Saarland University Medical Center, Homburg/Saar

Dr. rer. nat. A. Rey-Rico
Center of Experimental Orthopaedics, Saarland University, Homburg/Saar

Dr. rer. nat. J. Venkatesan
Center of Experimental Orthopaedics, Saarland University, Homburg/Saar

K. Tao, MD, PhD
Center of Experimental Orthopaedics, Saarland University, Homburg/Saar

L. Gao, MD
Center of Experimental Orthopaedics, Saarland University, Homburg/Saar