



2nd ExCarBon Summer School



DATE: 13.-14.07.2018 **VENUE:** Marienburgstr. 2
60598 Frankfurt am Main
Lecture Hall

PUBLIC TRANSPORT: Tram 21 from Frankfurt central station direction „Stadion“,
stop „Heinrich-Hoffmann Straße Blutspendedienst“

PROGRAM

Talks of ExCarBon members: 20 min length + 20 min discussion

Talks of guests: 40 min + 20 min discussion

Friday, July 13th

13.00 – 13.10 Welcome Address

13.10 – 14.10 Guest Speaker: Andrew A. Pitsillides - *“Evolving biomechanical aspects of osteoarthritis”*

14.10 – 14.50 SP1 Aszodi/Clausen-Schaumann - *„Integrins in osteoarthritis and cartilage repair“*

14.50 – 15.30 SP2 Vortkamp - *„Interaction of heparan sulfate and integrin signaling in maintaining the articular cartilage“*

15.30 – 15.50 Coffee Break

15.50 – 16.30 SP3 Richter - *„Role of microRNAs in cartilage function, pathology and progression of osteoarthritis“*

16.30 – 17.10 SP4 Grassel - *„Role of the sensory nervous system in subchondral bone remodeling and osteophyte formation in OA“*

17.10 – 18.10 Guest Speaker: Ali Mobasher - *“Immunometabolic aspects of osteoarthritis”*

18.15 End of day 1

19.00 Get together - very probably in *Oberschweinstiege* (Oberschweinstiegschneise 65, 60598 FaM)

Saturday, July 14th

09.00 – 10.00 Guest Speaker: Brian Johnstone - *“Considering development as the inspiration for joint regeneration is very trendy, but is it valid?”*

10.00 – 10.40 SP 5 Schilling - *„Cartilage Adjacent Subchondral Bone (CASB) in ageing and disease as a diagnostic and therapeutic target“*

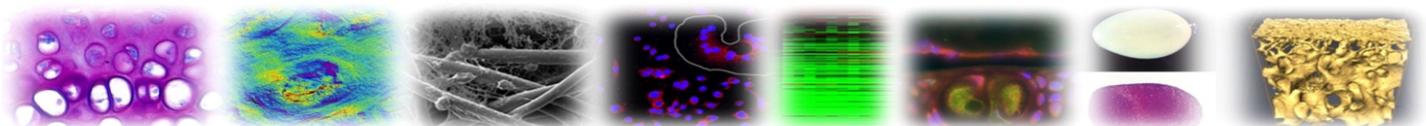
10.40 – 11.10 Coffee Break

11.10 – 11.50 SP7 Angele - *„The role of mechanobiological stress during joint regeneration in moderate osteoarthritis“*

11.50 – 12.30 SP8 Jenei-Lanzl - *„Sympathetic influences on articular cartilage regeneration capacity and osteoarthritis manifestation“*

12.30 Closing Remarks

12.45 End of Day 2





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Invited Experts



Prof. Ali Mobasher

Professor of Musculoskeletal Physiology, School of Veterinary Medicine, University of Surrey, UK

President of the Osteoarthritis Research Society International (OARSI)

Areas of Expertise: Cartilage biology, OA biomarkers

Tentative title of his talk:

"Immunometabolic Aspects of Osteoarthritis"

Prof. Andrew A. Pitsillides

Professor of Skeletal Dynamics, Comparative Biomedical Sciences, Royal Veterinary College, London, UK

Area of Expertise: Skeletal mechanobiology

Tentative title of his talk:

"Evolving Biomechanical Aspects of Osteoarthritis"



Prof. Brian Johnstone

Adjunct Professor / Research Director, Department of Orthopaedics and Rehabilitation
Oregon Health and Science University, Portland, USA

Area of Expertise: Stem cell and cartilage biology, musculoskeletal tissue engineering

Tentative title of his talk:

"Considering Development as the Inspiration for Joint Regeneration Is Very Trendy, But Is It Valid?"

