

Highlights of Musculoskeletal Research and Imaging:
MUW – founding member of the Austrian Cluster for Tissue Regeneration
Wednesday, February 19th, 2020
Medical University of Vienna, Jugendstilh rsaal, Spitalgasse 23, 1090 Wien

Time	Title	Speaker	Institution/Company
09:00-09:30	Welcome	Heinz Redl	Ludwig Boltzmann Institute for experimental and clinical Traumatology
		Stefan Hajdu, Reinhard Windhager	Medical University Vienna
Session 1: Vascularisation and Vascular Grafts of Electrospinning and 3D printing			
Chairs: Helga Bergmeister, Wolfgang Holthoner			Medical University Vienna
09:30-09:45	Human Placental Tissues for Tissue Engineering and Regenerative Medicine	Karl Schneider	Medical University Vienna
09:50-10:05	High-Resolution 3D Printing	Aleksandr Ovsianikov	TU Wien/UpNano
10:10-10:25	Characterization of Extracellular Vesicles (EVs) for Vascular Biology	Johannes �sterreicher	Ludwig Boltzmann Institute for experimental and clinical Traumatology
10:25-10:55	Coffee break		
Session 2: Signaling EVs			
Chairs: Andreas Spittler, Jaroslav Jacak			Medical University Vienna/FH-O�
10:55-11:10	EV characterization in "Bioceta"	Jaroslav Jacak	UAS Upper Austria Linz
11:15-11:30	Circulating microRNAs: emerging biomarkers for liver and thrombotic disease	Matthias Hackl	TAmiRNA
11:35-11:50	Cellular senescence in tissue regeneration - friend or foe?	Markus Schosserer	University of Natural Resources and Life Sciences
12:00	Lunch		

Session 3: Biophysical Stimulation & Gliding Tissue			
Chairs: Christine Radtke, Johannes Holfeld			Medical University Vienna/Innsbruck
12:45-13:00	Biophysical therapies	Peter Dungal	Ludwig Boltzmann Institute for experimental and clinical Traumatology
13:05-13:20	Innovative approaches for rotator cuff repair	Rainer Mittermayr	Ludwig Boltzmann Institute for experimental and clinical Traumatology
13:25-13:40	Translational efforts – Clinical Studies and Spin-Off company	Johannes Holfeld	Medical University Innsbruck/Heart Regeneration
13:45-14:00	Amniotic membrane in regenerative medicine	Susanne Wolbank	Ludwig Boltzmann Institute for experimental and clinical Traumatology
Session 4: Novel Cartilage, Bone & Joint Approaches			
Chairs: Silke Aldrian, Sylvia Nürnberger			Medical University Vienna
14:05-14:20	Cartiscaff	Sylvia Nürnberger	Medical University Vienna
14:25-14:40	MOCART 2.0 - an update of the original MOCART score	Siegfried Trattnig	Medical University Vienna
14:45-15:00	Synovium on a Chip	Peter Ertl	TU Wien
15:05-15:20	New biomaterials and cell-free approaches to improve bone regeneration	Darja Marolt Presen	Ludwig Boltzmann Institute for experimental and clinical Traumatology
15:25-16:00	Coffee break		
Session 5: Multimodal Imaging			
Chairs: Wolfgang Weninger, Siegfried Trattnig			Medical University Vienna
16:00-16:15	Austrian BioImaging: Correlated Multimodality Imaging Across Scales & Institutes	Andreas Walter	Austria BioImaging (CMI)
16:20-16:35	Liver Imaging across scales	Amila Kahrovic	Medical University Vienna
16:40-16:55	Imaging of platelet activation on cell under flow	Fabian Hauser	UAS Upper Austria Linz
17:00-17:15	Advances in μ CT Imaging	Patrick Heimel	Ludwig Boltzmann Institute for experimental and clinical Traumatology
17:20-17:35	Texture analysis from quantitative MRI	Vladimir Juras	Medical University Vienna
17:40	Closing Remarks		