

TERMIS/Expertissues/Biodesign

Winterschool 2015

"In Vitro/In Vivo Preclinical Models and
Imaging in Musculoskeletal Tissue
Regeneration"

Radstadt – Austria
January 18th-21th, 2015

Sunday, January 18th

16:00-18:05 / 18:45-19:55

Welcome

16:00: Heinz Redl PhD

Cell sources

16:15-16:45: “Cell Sources for Musculoskeletal Tissue Regeneration”
Austria: *Darja Marolt PhD*

16:55-17:25: “Adipose Derived Cells – Enzymatic and Non-Enzymatic Isolation”
Austria: *Eleni Oberbauer PhD*

17:35-18:05: “iPS”
Austria: *Regina Grillari-Voglauer PhD (requested)*

🌀 BREAK 🌀
18:05-18:45

In Vitro Systems

18:45-19:15: “3D Cell Systems and Bioprinting”
Austria: *Veronika Hruschka PhD, Alexandr Ovsianikov, PhD*

19:25-19:55: “Bioreactors in Musculoskeletal Tissue Engineering”
Austria: *Andreas Teuschl, Christiane Fuchs PhDs*



Tuesday, January 20th

8:30-11:00 / 16:00-17:10

Neuro

8:15-8:45: “Schwann Cells and Schwann Cell like Cells for Nerve Regeneration”
Austria: *Christina Schuh, MSc*



Bone

8:50-9:20: “The clinical impact of delayed bone healing and non union in long bone fractures”.
Austria: *Albert Kröpfl, MD PhD*



9:30-10:00: “Spine Surgery-Clinic and Model Approaches”
Austria: *Stephan Becker, MD PhD*



Imaging

10:10-10:40: “In Vivo Optical Imaging”
Austria: *Susanne Wolbank PhD*



10:50-11:20: “Gene Expression Monitoring in Vivo and in Vitro”
Austria: *Ara Hacobian PhD*



🌀 **BREAK** 🌀
11:00-16:00

16:00-16:30: “Micro-CT Imaging of Materials and Tissues in Preclinical Models”
Netherlands: *Sandra Hofmann PhD*

16:40-17:10: “Molecular Imaging with MRI”
Austria: *Siegfried Trattnig MD PhD*

🌀 **SOCIAL EVENT** 🌀
18:00



Wednesday, January 21th

08:30-10:40

Imaging

08:30-09:00: “PET (SPECT) in Preclinical Models“

Austria: *Claudia Kuntner PhD*

09:10-9:50: “Hard Tissue Histology-Methods and Quantitative Evaluation“

Austria: *Stefan Tangl MSc*

10:00-10:40: “Morphological In Vitro Methods: LM, SEM, ESEM, CLSM“

Austria: *Sylvia Nürnberger PhD*

🦋 Closing Remarks 🦋

Registration

Early bird registration until December 12th

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