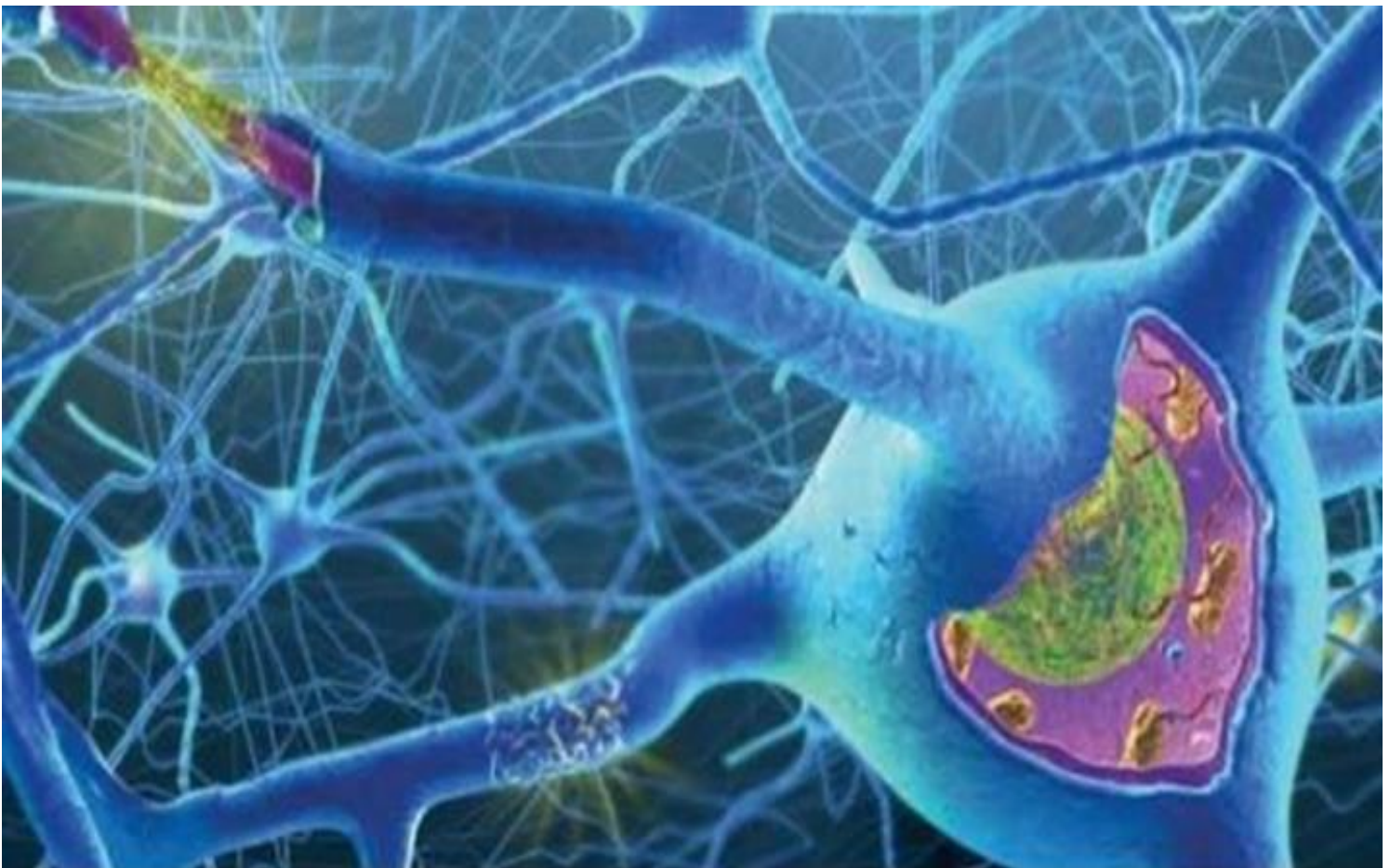


2nd INTERREG - 7th TERMIS Winterschool 2019

“Musculoskeletal Tissue Regeneration: From Mechanobiology to in Vitro/in Vivo Models and Advanced Imaging”



Ara Hacobian

Radstadt – Austria
January 13th-16th, 2019

With support from the Society of the Advancement of Research in Shock and Tissue Regeneration

Program

Sunday, January 13th

16:00-18:05 / 18:35-19:45

Welcome

16:00: Heinz Redl

Cell sources

16:15-16:45: “Cells from Human Derived Waste/Donor Materials”
Susanne Wolbank

16:55-17:25: “Adipose Derived Cells – Enzymatic and Non-Enzymatic Isolation”
Eleni Priglinger

Angiogenesis

17:35-18:05: “Angiogenesis and Organotypic Vasculature”
Wolfgang Holnthoner

❧ BREAK ❧
18:05-18:35

Open Innovation in Science

18:35-19:05: “Open Innovation in Science”
Veronika Hruschka

19:15-19:45: Poster Session + Welcome Drink

Monday, January 14th

08:30-11:40 / 16:30-19:00

In Vitro Systems

08:30-09:00: “3D Bioprinting”
Aleksandr Ovsianikov

Tendon & Ligament

09:10-09:40: “Tendon Degeneration and Repair – Lessons from Tendon Development and Ageing”
Andreas Traweger

09:50-10:20: “Silk as a Versatile Biomaterial for Muskuloskeletal Tissue Engineering”
Andreas Teuschl

Neuro

10:30-11:00: “Regeneration of the Nervous System – Mechanisms and Models”
David Hercher

11:10-11:40: “Acute Application of Extracellular Vesicles to Limit Secondary Damages after SCI”
Sébastien Couillard-Després

🌀 BREAK 🌀
11:40-16:30

Mechanobiology

16:30-17:00: “Pre-clinical Testing and Characterization of Shockwave Therapy”
Paul Slezak

17:10-17:40: “Biophysical Therapies in Regenerative Medicine and their Impact on Vascularization”
Peter Dungal

17:50-18:20: “G-Protein coupled Receptors in Mechanobiology”
Severin Mühleder

18:30-19:00: Poster Session

Tuesday, January 15th

08:30-11:40 / 16:30 – 17:40

Muscle

08:30-09:00: “Hippo Pathway in Heart Development and Disease”

Giancarlo Forte

09:10-09:40: “Role of Muscle Satellite Cells in Health and Disease”

Peter Zammit

09:50-10:20: “Reprogramming Human Skeletal Muscle (Re)generation”

Francesco Saverio Tedesco

Cartilage

10:30-11:00: “Cartilage and Tendon Engineering: Large Animal Models”

Gil Oreff

11:10-11:40: “Cartilage and Tendon Engineering: From Bench to Bedside”

Sylvia Nürnberger

🌀 **BREAK** 🌀

11:40-16:30

Bone

16:30-17:00: “The Clinical Impact of Delayed Bone Healing and Non-Union in Long Bone Fractures”

Albert Kröpfl

17:10-17:40: “Cell-based vs. Cell-free Approaches for Bone Regeneration”

Darja Marolt

🌀 **SOCIAL EVENT** 🌀

18:00

Wednesday, January 16th

08:30-11:40

Bone

08:30-09:00: “Design and biological response of patient specific implant for craniomaxillofacial bone repair”

Olivier Guillaume

Imaging

09:10-09:40: “From nice Pictures to solid Data”

Pavol Szomolanyi

09:50-10:20: “Hard Tissue Histology – Methods and Quantitative Evaluation”

Stefan Tangl

10:30-11:00: “Micro-CT Imaging of Materials and Tissues in Preclinical Models”

Patrick Heimel

11:10-11:40: “4D microCT in experimental biomechanics”

Dan Kytir / Petr Zlamal

11:50-12:20: “Saving the Biomedical Sample: Extraction of Information from Brightfield and Widefield Micrographs”

Dalibor Stys

🎀 Closing Remarks 🎀

Registration

Early bird registration until December 7th

Registration Deadline: December 20th

Contact Address:

Mag. Bettina Standhartinger
Ludwig Boltzmann Institute for Experimental and Clinical Traumatology
Austrian Cluster for Tissue Regeneration
Donaueschingenstrasse 13, A-1200 Vienna – Austria

Email: office@trauma.lbg.ac.at

Tel.: +43-5-9393-41961

<http://trauma.lbg.ac.at/>