

# 4th Cartilage weekend: Symposium program



DRUŠTVO ZA CELIČNO IN TKIVNO INŽENIRSTVO SLOVENIJE  
CELL AND TISSUE ENGINEERING SOCIETY OF SLOVENIA

4<sup>th</sup> CARTILAGE WEEKEND  
Symposium on cartilage repair and regenerative medicine



## Thursday, May 8

18.00 Get together

## Friday, May 9

8.00-9.00 Registration

9.00 Welcome – Matej Drobnič, president of organizing committee,  
Damjan Radosavljevič, president of CTESS

9.15 Introduction – Vane Antolic

### **CARTILAGE AND BONE**

9.30 -11.00 Section A

#### **Articular cartilage: clinical perspective**

Chair: Matej Drobnič, Giuseppe M Peretti

Mislav Jelić, Croatia

- Articular cartilage defect treatment concepts: repair or regeneration?

Miroslav Hašpl, Croatia

- Microfractures vs. autologous chondrocyte implantation

Damjan Radosavljevič, Slovenia

- Long-term experience with ACI in Slovenia

Klemen Strazar, Slovenia

- Possibilities of Cartilage Repair in Femoroacetabular Impingement

Oskar Zupanc, Slovenia

- Cartilage Repair in Elbow Arthroscopy

Martina Bregar, Slovenia

- Rehabilitation after the cartilage repair procedures

11.00-11.30 Coffee Break

11.30 - 13.00 Section B

#### **Cartilage: tissue engineering and imaging**

Chair: Damjan Radosavljevič, Peter Verdonk

Christoph Brochhausen, Germany

- Chondrocyte biology: cartilage development and tissue engineering strategies

Matej Drobnič, Slovenia

- Surgical aspects of ACI

Elisaveta Kon, Italy

- Osteochondral tissue engineering

Emilio Quaia, Italy

- The latest developments in cartilage imaging

Ariana Barlič, Slovenia

- Gene expression in 3D engineered constructs used for ACI

Bojana Obradović, Serbia

- Development and validation of a novel bioreactor with mechanical stimulation for cartilage tissue engineering

13.00-14.30 Lunch Break

14.30 – 15.45 Section C

#### **Meniscus and intervertebral disc**

Chair: Miro Gorenšek, Miroslav Hašpl

Giuseppe M Peretti, Italy

- Basic science in meniscus repair

Peter Verdonk, Belgium

- Meniscus transplantation: current concepts

Jill Urban, UK

- Nutritional constraints on repair of the intervertebral disc

Miro Gorenšek, Slovenia

- Prevention of intervertebral disc narrowing

15.45-16.15 Coffee break

16.15 - 18.00 Section D

#### **Bone tissue engineering and other clinical applications**

Chair: Vinko Pavlovčič, Elisaveta Kon

Darja Marolt, Slovenia; USA

- Bone tissue engineering

Matjaž Rode, Slovenia

- Periodontal bone repair

Vladimir Senekovič, Slovenia

- Hypotrophic pseudoarthrosis treatment with autologous MSCs

Hana Krečič-Stres, Slovenia

- Laboratory development of tissue engineered bone grafts using mesenchymal stem cells

Dragica Maja Smrke, Slovenia

- Bone marrow derived stem cells in the bone surgery

Luminita Simion, Romania

- Clinical application of a biphasic macroporous ceramic bone substitute (CERAFORM®)

19.00 Conference Dinner - Boat Tour

## Saturday, May 10

### **REGENERATIVE MEDICINE AND STEM CELLS**

9.00 - 10.30 Section E

#### **Regulatory, ethical and coordination aspects of tissue engineering and regenerative medicine**

Chair: Miomir Knežević, Herbert Gottweis

Herbert Gottweis, Austria

- Regenerative medicine and stem cell research: emerging governance issues

Albert Ramon, Germany

- Coordination of research in tissue engineering

Miomir Knežević, Dragoslav Domanovič, Primož Rožman, Slovenia

- Regulations of the tissue and cell therapies in Slovenia

Danica Avsec-Letonja, Slovenia

- Documentation involved with the tissue and cells therapies in Slovenia

Saša Puhar, Slovenia

- Quality Challenges in Autologous Tissue Establishment

10.30-11.00 Coffee Break

11.00 - 12.30 Section F

#### **Stem cells and Regenerative medicine**

Chair: Primož Rožman, Darja Marolt

Stephen Minger, UK

- Embryonic stem cells

Tanja Dominko, USA

- Fibroblast - the ultimate stem cell?

Irma Virant Klun, Slovenia

- Stem cells in human gonads

Mirjam Froelich, Slovenia

- Tissue Engineered Bone Grafts from Adipose Derived Stem Cells

Andrej Kmetec, Slovenia (from section D)

- Treatment of vesicoureteral reflux by ACI

12.30-14.00 Lunch Break

14.00 – 15.30 Section G

#### **Umbilical cord blood**

Chair: Matjaž Jeras, Albert Ramon

Nico Forraz, UK

- Cord blood banking and bioprocessing: what can we learn from obstetric history?

Colin McGuckin, UK

- Banking on Cord blood and Adult Stem Cells for Regenerative Medicine

Zoran Ivanovič, France

- Maintenance of primitive stem cell activity in course of the clinical-scale ex vivo expansion of cord blood CD34+ cells

Marko Strbad, Slovenia

- Potential of umbilical cord blood stem cells to differentiate towards pancreatic cells

15.30-16.00 Coffee break

16.00 – 16.15 Symposium closing

16.15 General assembly of DCTIS