

## PROGRAM

### 11 November

- 08.30      *Registration*
- 09.50      Conference opening
- 10.00      **András Dinnyés** (Gödöllő, Hungary)  
Patient- specific induced pluripotent stem cells: expectations and realities
- 10.30      **Uher Ferenc** (Budapest, Hungary)  
Role of mesenchymal stem cells in orchestrating inflammatory and immune responses
- 11.00      **Sarah Coupland** (Liverpool,UK)  
Cancer stem cells
- 11.30    12.00    *Coffee break*
- 12.00    13.45    Selected presentation I.  
Topics: Embryonal stem cells, iPS, Hematopoietic stem cells (10+5 minutes)
- 12:00      **Tímea Kóhidi** (Budapest, Hungary)  
Effects of optogenetic stimulation on motility of differentiating neural stem cells
- 12:15      **Gergő Kovács** (Szeged, Hungary)  
Rybp is required for the terminal differentiation of neural lineages
- 12:30      **Attila Gyula Jady** (Budapest, Hungary)  
Metabolic changes during neuron formation by embryonic neuroectodermal stem cells
- 12:45      **Róbert Rácz** (Budapest, Hungary)  
Electrolyte transport processes in pH regulation and biocarbonate secretion of HAT-7 ameloblast progenitor cells
- 13:00      **Kornélia Szebenyi** (Budapest, Hungary)  
Improved culture condition of human pluripotent stemcell-derived cardiac progenitors
- 13:15      **János Réthelyi** (Budapest, Hungary)  
Investigating de novo mutations in a schizophrenia case-parent trio by parallel somatic cell reprogramming and neuronal differentiation
- 13:30      **Nóra Fejszák** (Budapest, Hungary)  
Characterization and ontogeny of the bursal stem cells using a novel monoclonal antibody
- 13.45    14.45    *Lunch*
- 14.45      **Gábor Földes** (London, UK)  
Generation of high-fidelity endothelial cells from human pluripotent stem cells
- 15.15      **Gábor Szabó** (Budapest, Hungary)  
Stem cell therapy in peripheral arterial diseases
- 15.45      **Gábor Juhász** (Szeged, Hungary)  
Stem cell-specific endocytic degradation defects lead to intestinal dysplasia in Drosophila

- 16:15 17:15 Selected presentation II.  
Topics: Tissue engineering, Molecular regulation (10 minutes)
- 16:15 **Gábor Varga** (Budapest, Hungary)  
A new rat bone regeneration model for tissue engineering and stem cell research
- 16:30 **Milada Chudickova** (Prague, Czech Republic)  
Novel way of differentiation: from MSCs to neuron-like cells
- 16:45 **Orsolya Hegedűs** (Budapest, Hungary)  
Tooth-derived stem cell culturing on amino acid based hydrogels
- 17:00 **Anna Földes** (Budapest, Hungary)  
Functional two-dimensional monolayer by human salivary gland progenitor cells shown by active electrolyte transport
- 17:15 18:30 *Coffee with experts*
- 12 November**
- 09:00 **Boris Chichkov** (Hannover, Germany)  
3D laser printing of biomaterials and living cells
- 09:30 **Mehrdad Raffat** (Linköping, Sweden)  
Novel techniques in corneal regeneration and bioscaffold engineering
- 10:00 **Heli Skotman** (Tampere, Finland)  
Human pluripotent stem cells as a source for tissue engineering in regeneration. GMP cell therapy process
- 10:00 10:30 *Coffee break*
- 10:30 12:30 Selected presentation III.  
Topics: Mesenchymal stem cells, Angiogenesis, Immunology (10+5 minutes)
- 10:30 **Edit Gara** (Budapest, Hungary)  
Endothelial derivatives of human pluripotent stem cells show antiplatelet effects in 3D culture-steps towards vascular tissue engineering
- 10:45 **Anikó Görbe** (Szeged, Hungary)  
NO mediated cytoprotection against simulated ischemial/reperfusion caused injury in induced pluripotent stem cell-derived cardiac myocytes
- 11:00 **Viktória Jeney** (Debrecen, Hungary)  
Inhibition of osteogenic differentiation of mesenchymal stem cell via the activation of ferritin ferroxidase activity
- 11:15 **Roland Takács** (Debrecen, Hungary)  
The role of septins in store operated Ca<sup>2+</sup> entry (SOCE) during chondrogenesis of human mesenchymal stem cells (hMSC)
- 11:30 **Kinga Lakatos** (Budapest, Hungary)  
Hypoxia induces an increase of diacylglycerols in human mesenchymal stem cells

- 11:45 **Zita Pöstényi** (Budapest, Hungary)  
In vitro investigations of the osteogenic differentiation of canine adipose tissue derived MSCs labelled with 99mTc-MDP
- 12:00 **Beáta Mészáros** ( Debrecen, Hungary)  
Expression of ion channels in chorion-derived mesenchymal stem cells
- 12:15 **Péter Balogh** (Pécs, Hungary)  
Vascular patterning of the mucosal lymphoid tissues-hesitant or principled?
- 12.30 13.30 *Lunch*
- 13:30 **Riccardo Pasculli** (accela s.r.o.)  
The Novel Solutions for Stem Cells Research
- 14:00 **Mona Stankovic** (BioTech Hungary Kft.)  
Get to know all about your cells with Cytation
- 14.30 **Tara Moore** (Ulster,UK)  
Genetic modification possibilities in treating corneal diseases
- 15.00 **Cecile Philandrianos** (Marseille, France)  
Adipose-derived stem cells in the treatment of scleroderma
- 15.30 **Gunnar Kvalheim** (Oslo,Norway)  
Adipose-derived stem cells in tissue repair-clinical experiences from Oslo University Hospital
- 16.00 17:30 *Coffee with the experts*
- 13 November**
- 09.00 **Goran Petrovski** (Szeged, Hungary)  
Long-term cultivation of corneal stem cells - possible applications from benchside to bedside
- 09.30 **Morten MC Moe** (Oslo, Norway)  
Clinical results and in vitro characterization of cornea limbal epithelial stem cells cultured in autologous serum
- 10.00 **Deborah Ferrington** (Minneapolis, USA)  
Toward autologous retinal cell replacement therapy for age-related macular degeneration
- 10.30 11.00 *Coffee break*
- 11.00 12.00 Selected presentation IV.  
Topics: targets and therapies, technologies (10+5 minutes)
- 11:00 **Veronika Kovács-Haász** (Budapest, Hungary)  
In vivo imaging of the ectopic bone formation of canine adipose tissue derived mesenchymal stem cells (cAD-MSCs) with SPECT/CT and PET/CT: a step toward to imaging guided therapy
- 11:15 **Adrienn Péntek** ( Budapest, Hungary)  
Isolation and biobanking of adipose tissue derived mesenchymal stem cells with Sepax

- 11:30      **Sofija Andjelic** (Ljubljana, Slovenia)  
Human anterior lens epithelial studies with implications for capsular opacification
- 11:45      **Zala Luznik** (Ljubljana, Slovenia)  
Effect of intact amniotic membrane orientation on ex vivo limbal explant culturing
- 12.00    12.30      Meeting of the Poster and Oral Communication Evaluation Committee
- 12:30    13:00      Oral Communication Awards and Closing remarks