



**INNOVATIVE
ECONOMY**
NATIONAL COHESION STRATEGY

EUROPEAN UNION
EUROPEAN REGIONAL
DEVELOPMENT FUND



3rd BALTIC STEM CELL MEETING

WARSAW

POLAND

18th JUNE - 19th JUNE 2015

PROGRAM

WWW.STEMCELLS-PROJECT.EU

Conference co-financed by the European Regional Development Fund
under the Innovative Economy Operational Programme



THURSDAY 18th June 2015

11:30-12:30

Registration

12:30-13:00

Opening Ceremony

PROCEEDINGS IN STEM CELL BIOLOGY Session

13:00-13:35

Opening Lecture
On Radiation and biological consequences?
Robert Peter Gale

13:35-14:00

From stem cells to endothelial progenitor cells: is there any future for angiogenic cell therapy?
David Smadja

14:00-14:25

MiRNA regulation of ABO blood group genes during erythroid differentiation
Torsten Tonn

14:25-14:50

Actively cycling adult murine hematopoietic stem cells(HSCs): re-evaluating the total HSC population
Laura R. Goldberg

14:50-15:15

Regeneration of healthy gut microbiome in patients with hematologic disorders: attempt to eradicate colonization with antibiotic-resistant bacteria
Grzegorz Basak

15:15-15:40

From a Malformed Arm to a Stem Cell Zinc-Finger Small Molecule Target
Yupo Ma

15:40-16:10

Break

EXTRACELLULAR MICROVESICLES Session

16:10-16:45

Keynote Lecture
A New Stem Cell Biology
Peter J. Quesenberry

16:45-17:10

Role of extracellular vesicles in paracrine action of stem cells
Giovanni Camussi

17:10-17:35

Mesenchymal derived exosomes in breast cancer dormancy: Development of RNA therapeutics
Rameshwar Pranela

17:35-18:00

Stem Cells and its secretome for lung repair and regeneration
Gazdhar Amiq



FRIDAY 19th June 2015

***VSELS – UPDATE AND PERSPECTIVES* Session**

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|-------------|---|
| 08:30-09:05 | Keynote Lecture <i>Challenging questions to hierarchy of bone marrow stem cells and their developmental and postnatal trafficking</i> Mariusz Z. Ratajczak |
| 09:05-09:30 | <i>VSELS have Superior Regenerative Potential Compared to ES/iPS Cells</i> Deepa Bhartiya |
| 09:30-09:55 | <i>VSEL cell induced tissue proliferation in a rat limb amputation model</i> John H. Barker |
| 09:55-10:20 | <i>Wharton jelly derived mesenchymal stem cells – medical innovation or unproven stem cell treatment?</i> Dariusz Boruczowski |
| 10:20-10:45 | <i>Hematopoietic potential of human umbilical cord blood-derived very small embryonic like stem cells (VSELS)</i> Janina Ratajczak |
| 10:45-11:10 | <i>The developmental link between primordial germ cells and hematopoiesis</i> Magdalena Kucia |
| 11:10-11:35 | <i>The effects of growth hormone (GH) and insulin-like growth factor 1 (IGF-1) replacement therapy on very small embryonic-like stem cell levels in GH- and IGF-1-deficient pediatric patients</i> Marcin Moniuszko |
| 11:35-11:50 | Break |

***STEM CELLS IN NEUROSCIENCE AND REGENERATIVE MEDICINE* Session**

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|-------------|---|
| 11:50-12:25 | Keynote Lecture <i>Marrow derived stem cells: characteristics and clinical application</i> Andrzej Lange |
| 12:25-12:50 | <i>Quantitative Proteomic Profiling of a Stem Cell Model of Spinal Muscular Atrophy</i> Graham Parker |
| 12:50-13:15 | <i>Purinergic signaling in neural differentiation and brain repair</i> Alexander Henning Ulrich |
| 13:15-13:40 | <i>Stem cells in psychiatry</i> Jerzy Samochowicz |



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| 13:40-14:05 | <i>How to repair a defective brain with neuronal transplantations?</i> Artur Czupryn |
| 14:05-14:30 | <i>Cellular Nanotechnology for Cardiovascular Disease</i> Piotr Waciński |
| 14:30-14:55 | <i>Hematopoietic stem cell transplantation in diabetes type 1</i> Emilian Snarski |
| 14:55-15:20 | <i>The role of stem and progenitor cells in inflammatory and neoplastic gastrointestinal diseases</i> Wojciech Marlicz |
| 15:20-15:40 | <i>The fabrication of 3D alginate hydrogel scaffold as a construct for rat VSELs transplantations</i> Krzysztof Marycz |
| 15:40-15:50 | Closing ceremony |