

2nd ISCA International Symposium on Stem Cell Research and Application

Saturday 21st July 2018

- 9:00** **Greeting Talk**
Professor J. Hescheler, Head of German Society for Stem Cell Research
- 9:15** **Greeting Talk**
Professor K. Nayernia, Head of International Stem Cell Academy
International Center for Personalized Medicine, Düsseldorf, Germany
- 9:30-10:15** **Applying Stem cells in treatment of cardiovascular diseases**
Professor J. Hescheler, Head of Institute for Neurophysiology, Cologne,
Germany
Head of German Society for Stem Cell Research
- 10:15-10:45** **New Trends in Regenerative Cardiovascular Medicine**
Dr M. Eslami, Head of Applied Biotechnology Research Center, Director of
Science Development and Evaluation, Azad University, Tehran, Iran
- 10:45-11:15** **Coffee Break**
- 11:15-12:00** **Hypoxia/Physioxia regulates Stem Cell Physiology**
Professor H. Boeuf, Research Director, University de Bordeaux, France
- 12:00-12:30** **The role of Cancer Stem Cells in Tumorigenesis and Cancer Treatment**
Professor K. Nayernia, Head of International Stem Cell Academy
Head of International Center for Personalized Medicine, Düsseldorf, Germany
- 12:30-13:00** **Stem Cell Seeded on 3D Nanofibrous Scaffold for Regeneration of Critical-
size Rat Calvarial Defect**
Professor H. Mirzadeh, Amirkabir University of Technology, Tehran, Iran
- 13:00-14:00** **Lunch Networking**
- 14:00-16:30** **Study & Research of regenerative medicine and stem cell sciences in Europe
and Germany**
Collaborative Meeting
- 17:00** **Panel Discussion**

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Sunday, 22nd July, 2108

- 9:30-10:30 Modeling of CNS diseases using pluripotent stem cells**
Professor K-H Krause, Head of Department of Pathology & Physiology,
University of Geneva, Switzerland
- 10:30-11:30 Generation of Functional Hepatocyte-like Cells from Human Pluripotent Stem Cells**
Dr. Vossough, Head of Department of Regenerative Medicine, Royan Institute,
Tehran, Iran
- 11:30-12:00 Coffee Break**
- 12:00-13:00 Reprogramming of somatic cells (healthy and diseased individuals- Alzheimer's, Nijmegen Breakage Syndrome and Steatosis patients) into an ES-like state (iPS cells) and studying the underlying disease mechanisms**
Professor J. Adjaye, Head of Institute for stem cell research and regenerative medicine, Düsseldorf, Germany
- 13:00-14:00 Lunch Networking**
- 14:00-15:00 Stem Cells in Personalized Medicine**
Professor K. Nayernia, International Stem Cell Academy
Head of International Center for Personalized Medicine, Düsseldorf, Germany
- 15:00-16:00 Transplantation of Autologous Bone Marrow Mesenchymal Stem Cells with Platelet-Rich Plasma Accelerate Distraction Osteogenesis**
Dr. Motalebizadeh, Applied Biotechnology Research Center, Azad University,
Tehran, Iran
- 16:00 Concluding Remarks & Awarding Certifications**