

The 8th Royan International Congress on Stem Cell Biology and Technology (2012)

International Invited Speakers



Ferdinando Rossi, Italy

Titles:

Rewiring Point-to-Point Connections in the Mammalian CNS by Neural Transplantation.

- I. Neurogenic Capacity and Guidance Factors in the Recip
- II. Migratory Pathways and Anatomical Incorporation of New Neurons in the Recipient Circuits



Gianpaolo Zerbini, Italy

Title:

1. Role of Endothelial Progenitor Cells (EPCs) in the Pathogenesis of Diabetic Retinopathy
2. Identification and Characterization of Dedifferentiated Podocytes in the Normal Renal Glomerulus



Jurgen Hescheler, Germany

Title:

1. Pluripotent Stem Cells for Toxicological Screening and Disease
2. Pluripotent Stem Cells from Basic Research to Possible Clinical Application



Shoukhrat Mitalipov, USA

Title:

1. Novel Reproductive Technologies for Preventing Mitochondrial DNA Diseases
2. Primate to Tipotent and Pluripotent Cells



Paul Tesar, USA

Title:

1. Pluripotent Stem Cell Technology for Myelin Repair
2. Transcription Factor-mediated Reprogramming of Fibroblasts to Expandable, Myelinogenic Oligodendrocyte Progenitor Cells



Robert Passier, The Netherlands

Titles:

1. Generation of Transgenic Reporter Lines in Human Pluripotent Stem Cells for Cardiac Subtype Specification
2. Human Stem Cells for Cardiac Disease Modeling and Drug



Richard Harvey, Australia

Title:

1. Regulation of Quiescence and Multipotency in MSC-like Stem Cells of the Adult Mammalian Heart
2. Definition and Embryonic Origins of MSC-like Stem Cells in the Adult Mammalian Heart



Christian De Geyter, Switzerland

Title:

1. Human Embryonic Stem Cells in Neurodevelopmental Toxicology
2. Stem Cells in the Ovary and Their Potential Significance in Ovarian Ageing



Elena Cattaneo, Italy

Title:

1. Using Stem Cells to Understand the Function of Disease-genes: the Example of Huntingtin in Huntington's Disease
2. Generation of Human Striatal Neurons from Stem Cells for Transplantation Studies in Huntington's Disease



Christopher Heeschen, Spain

Title:

1. Novel Approaches for Tracking Cancer Stem Cells
2. Identifying and Targeting the Achilles' Heel of Cancer Stem Cells



Ira J. Fox, USA

Title:

1. Use of Hepatocytes and Stem Cells in Understanding and Treating Liver Failure and Cirrhosis
2. Overcoming Barriers to the Use of Hepatocytes and Stem Cells in Treating Patients with Liver Diseases



Thomas Braun, Germany

Title:

1. The Epistasis of Muscle Stem Cell Development
2. De-differentiation of Cardiomyocytes is Instrumental for Cardiac Tissue Renewal after Myocardial Damage



Daniele Zink, Singapore

Title:

1. Differentiation of Human Embryonic Stem Cells into Functional Renal Tubular Cells
2. Cost-effective Substrates for the Large-scale Expansion of Human Stem Cells under Chemically Defined Conditions



Michèle Studer, France

Title:

1. Regulation of Embryonic and Adult Neural Stem Cells During Mouse Corticogenesis
2. Mechanisms on Arealization and Cell-type Specification in the Developing Mammalian Neocortex



Ans M. M. van Pelt, The Netherlands

Title:

1. Spermatogonial Stem Cell: Their Potency
2. Spermatogonial Stem Cells: from Biology to Clinic