The 7th Royan International Congress on Stem Cell Biology and Technology (2011)  
International Invited Speakers

Patrick Collombat, France

**Titles:**

1. Adipose Tissue-Derived MSCs Are an Option to Human Hepatocytes for In vitro and In vivo Studies  
2. New Insight in The Alpha-to-Beta-Cell Trans-differentiation in The Endocrine Pancreas

Hans R. Scholer, Germany

**Title:**

1. Induction of Pluripotency: 20 Years of Research  
2. The Potential of Induced Pluripotent Stem Cells in Development and Regenerative Medicine

Lorenzo Piemonti, Italy

**Title:**

1. Bone Marrow as Ideal Microenvironment for Human Islet Transplantation to Treat Type 1 Diabetes (Clinical Trials.gov Identifier: NCT01345227  
2. Regulatory Stem Cell and Allograft Tolerance
Lino Ferreira, Portugal

Title:
1. Micro and Nanomaterials to Manipulate Stem Cells
2. Stem Cells and Biomaterials for The Treatment of Ischemic Diseases

Gabsang Lee, USA

Title:
1. Defining and Predicting Pluripotent Behavior in Human ES and IPS Cells
2. Discovery of Potential Therapeutic Compounds for Familial Dysautonomia Using Patient-Specific and Symptom-Relevant iPSC Derived Neural Crest Precursors

Hui Lijian, China

Title:
1. Induction of Functional Hepatocyte-Like Cells from Mouse Fibroblasts by Defined Factors
2. Induction of Functional Hepatocyte-Like Cells from Mouse Fibroblasts by Defined Factors

Ilyas Singec, USA

Title:
1. Direct and Complete Neural Induction of Human ES and iPS Using Small Molecules
2. Protein Phosphorylation Signatures Define "Stemness" in Human Pluripotency and Neural Multipotency
Matthias P. Lutolf, Switzerland

Title:

1. Bioengineered Niches to Instruct Stem Cell Fate
2. Probing Single Hematopoietic Stem Cell (HSC) Fate Decision-Making in Artificial Niches

Ivan Martin, Switzerland

Title:

1. Adipose Tissue-Derived Progenitors for The Engineering of Osteogenic and Vasculogenic Grafts
2. Three-Dimensional Expansion of Human Bone Marrow-Derived Mesenchymal Stromal Cells

Carlos-Filipe Pereira, USA

Title:

1. ESCs Require PRC2 to Direct The Successful Reprogramming of Differentiated Cells Toward Pluripotency
2. Heterokaryon-Based Reprogramming for Pluripotency

Hiromitsu Nakauchi, Japan

Title:

1. Generation of Functional Organs from iPS Cells: Toward the Next Generation of Regenerative Medicine
2. Heterogeneity and Hierarchy within The Most Primitive Hematopoietic Stem Cell Compartment
Masaki Ieda, Japan

Title:
1. Direct Reprogramming of Fibroblasts into Cardiomyocytes by Defined Factors
2. Heart Regeneration Using Stem Cells and Direct Reprogramming Technology

Andreas K. Nüessler, Germany

Title:
1. Adipose Tissue-Derived MSCs Are an Option to Human Hepatocytes for In vitro and In vivo Studies
2. Epigenetic Modification of Old Human Adipose - Derived MSCs Improves Hepatic Differentiation