

The 14th Royan International Congress on Stem Cell Biology & Technology (2018)

International Invited Speakers



Dr. Saeid Amini Nik (MD, Ph.D)

Assistant Professor at the Departments of Surgery & Laboratory of Medicine and Pathobiology (LMP), University of Toronto, Canada

Key Research Areas:

skin regeneration studies, (Ab)normal wound healing studies, muscle stem cells response post-thermal injury

1. 3D Skin Printing: In-Situ Formation of Planar Tissues
2. Myeloid lineage cell during healing: Friend or Foe?



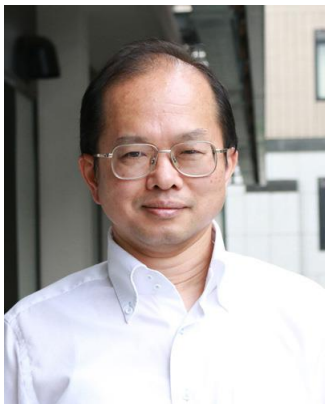
Prof. Michel Cohen-Tannoudji (Ph.D)

The Head of the Research Group of Early Mammalian, Department of Development and Stem Cell Biology, Pasteur Institute, France

Key Research Areas:

genetics, cell signaling, cell biology, stem cell biology, embryos transgenes

1. Consequences of Ribosome Biogenesis Inhibition on Normal and Pathological Intestinal Stem/ Progenitor Cells
2. Specification and Maintenance of Cell Identities in The Early Mammalian Embryo



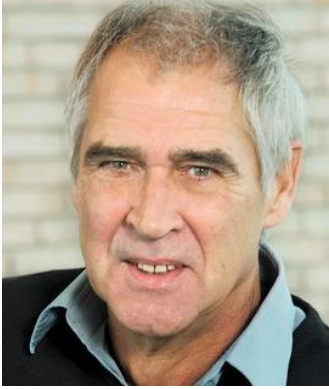
Prof. Ryoichiro Kageyama (MD, Ph.D)

Deputy Director of the Institute for Integrated Cell-Material Sciences, Kyoko University, Japan

Key Research Areas:

developmental biology, stem cell biology

1. Dynamic Control of Embryonic Neural Stem Cells
2. Dynamic Control of Adult Neural Stem Cells



Prof. Rolf Kemler (Ph.D)

Director and Scientific Member of
Max Planck Institute of Immunobiology and
Epigenetics,
Germany

Key Research Areas:

epigenetics, immunobiology, developmental biology

1. Trimethylation and Acetylation of β -Catenin at Lysine 49 Represent a Key Element in ES Cell Pluripotency
2. β -Catenin Regulates Telomerase in Stem and Cancer Cells



Dr. Johnny Kim (Ph.D)

Department of Cardiac Development and
Remodelling,
Max Planck Institute for Heart and Lung
Research,
Germany

Key Research Areas:

*Cardiac development, adult stem cell, muscle regeneration,
Tissue regeneration*

1. Harnessing functional genomics to identify mechanisms of stem cell dependent tissue regeneration
2. Targeted inactivation of oncogenic drivers of cancer originating in adult stem cells during muscle regeneration



Prof. João F. Mano (Ph.D)

Professor at the Department of Chemistry,
Aveiro Institute of Materials,
University of Aveiro,
Portugal

Key Research Areas:

*biomaterials, tissue engineering, biomedical engineering,
nanotechnology, regenerative medicine*

1. Instructive Natural-Based Hydrogels as Platforms for Stem Cell Cultures for Tissue Engineering Applications
2. Nanotechnology Approaches in the Design of Hybrid Constructs for Regenerative Medicine



Dr. Alessandro Prigione (Ph.D)

Independent Team Leader at the Max Delbrueck Center for Molecular Medicine (MDC), Germany

Key Research Areas:

induced pluripotent stem cells (iPSCs), Huntington's disease (HD), Leigh syndrome (LS)

1. iPSCs for Mitochondrial Medicine
2. Mitochondrial metabolism in stem cells and neural disease modeling



Dr. Nicolas Rivron (Ph.D)

Assistant Professor at MERLN Institute for Technology-Driven Regenerative Medicine Faculty of Health, Medicine and Life Sciences, Maastricht University, The Netherlands

Key Research Areas:

utilization of stem cells to study how the early embryo forms

1. Platforms for Controlling Organogenesis in a Dish
2. Blastocyst-Like Structures with Implantation Potential Formed solely from Stem Cells



Prof. Pierre Savatier (Ph.D)

Team Leader of French Institute of Health and Medical Research, INSERM Stem Cell and Brain Research Institute France

Key Research Areas:

embryonic stem-cells, molecular regulation of pluripotency

1. Revisiting LIF/GP130/JAK/STAT3 Signalling in Human Pluripotent STEM CELLS
2. Naïve Pluripotency and Chimeric Competency in Rabbits and Non-Human Primates



Prof. Wolfram Tetzlaff (MD, Ph.D)

Director of International Collaboration on Repair Discoveries (ICORD),
Departments of Zoology & Surgery,
University of British Columbia,
Canada

Key Research Areas:

cell transplantation, diet, myelin, neuroprotection, regeneration

1. Myelinogenic Plasticity of Oligodendrocyte Precursor Cells and Role of Remyelination in Locomotor Recovery following Contusive Spinal Cord Injury
2. Remyelination Failure Potentiates Axon Loss and Impairs Motor Function following Cuprizone Demyelination



Prof. Pierre Vanderhaeghen

Director of Pierre Vanderhaeghen
Laboratories,
Principal Investigator and Senior Research
Scientist at the Belgian FNRS,
Belgium

Key Research Areas:

developmental biology, neuroscience, systems biology

1. Mechanisms and Perspectives for Modeling Human Brain Diseases and Evolution
2. Using Mouse-Human Chimeric Brain to Study Neuronal Development and Diseases