5th International Meeting on Stem Cells and Regenerative Medicine

Day 1 (Oct 21)

Opening ceremony. 9:00 - 9:30 am
Chair: Hector Mayani
Antonieta Chávez-González (President, SOMICET)
Bruce Levine (Vice-president, ISCT)
Patricia Rocco (Vice-president, ISCT-SCA)
Elena Álvarez-Buylla (Director, CONACYT, Mexico)
Germán Fajardo Dolci (Director, Faculty of Medicine, UNAM, Mexico)

Plenary Lecture 1: 9:30 – 10:30
Title. TBD
Bruce Levine (University of Pennsylvania)

Symposium 1. Pluripotent and Neural Stem Cells (10:30 a 11:30)
1. Integrin alpha 6 (CD49f), a common denominator of stem cells
   Luis Villa (Oakland University, USA)
2. Title. TBD
   Luis Covarrubias (Instituto de Biotecnología. UNAM, México)

Coffee break (11:30-11:45)

Symposium 2. Stem Cells and Microenvironment (11:45-13:15)
1. Comparing pears to apples: Mesenchymal Stem Cells vs. Skeletal Stem Cells
   Fernando Fierro (University of California)
2. Title. TBD
   Bruce Levine (University of Pennsylvania)
3. Regulation of healthy HSCs and leukemic stem cells by the microenvironment
   Paul Frenette (Albert Einstein College of Medicine. NY)

Lunch (13:15-15:00) / Commercial talk by Bio Rad

Poster Session 1 (15:00-17:00)

Plenary Lecture 2. (17:00 – 18:00)
Identifying stem cells that generate in vivo vessel formation in mouse and man.
Dr. Mervin C. Yoder (School of Medicine, Indiana University, USA)
Day 2 (Oct 22)

Plenary Lecture 3: (9:00-10:00)  
“Engineering neurogenesis in the postnatal cerebral cortex”  
Berninger Benedikt (King’s College London, UK)

Symposium 3. Epigenetic and Aging Stem Cells (10:00-11:30)  
1. Title. TBD  
   Ricardo Felix (CINVESTAV, México)  
2. Adult stem cell therapy and rejuvenation by cell reprogramming as emerging avenues of antiaging research in the brain  
   Rodolfo Goya (Universidad de la Plata, Argentina)  
3. Regulation of hippocampal neurogenesis in the adult and aging brain  
   Henriette van Praag (Florida Atlantic University, USA)

Coffee break (11:30-11:45)

Symposium 4. Metabolism and Cancer Stem Cells (11:45-13:15)  
1. Senescence-associated inflammatory cytokines and EMT/CSC plasticity  
   Jean Paul Vernot (Universidad Nacional de Colombia)  
2. Thymidylate synthase maintains the EMT/CSC-like state of triple negative breast cancers.  
   Paolo Ceppi (Friedrich-Alexander University Erlangen Nurnberg)  
3. Targeting EMT to treat metastasis and chemoresistance  
   Sendurai Mani (MD Anderson, Houston TX, USA)

Lunch (13:15-15:00) / Commercial talk by Corning

Poster Session 2 (15:00-17:00)

Plenary Lecture 4. (17:00 – 18:00)  
Aberrant Mitochondrial Metabolism in Leukaemic Stem Cells  
Vignir Helgason (University of Glasgow, Scotland UK)
Day 3 (Oct 23)

Plenary Lecture 5:  (9:00-10:00)
  *Regenerative Medicine for Lung diseases.*
  Daniel J Weiss (University of Vermont, USA)

**Symposium 5: Regenerative Medicine** (10:00- 11:30)
  1. *Regenerative medicine for heart failure.*
     Dr. Maroun Khoury (Universidad de los Andes, Chile)
  2. *Stem cell therapy in emphysema: from bench to bedside*
     Dr. Patricia Rocco (Universidad Federal de Rio de Janeiro)
  3. *Title. TBD*
     Diego Correa (University of Miami. USA)

Coffee break (11.30-11:45)

**Symposium 6: Legislation and Bioethics** (11:45-12:45)
  1. *Title. TBD*
     Dr. Karen Nichols (Magent Therapeutics, Cambridge, USA)
  2. *Ethical and Judicial Battles over Unproven Stem Cell Interventions*
     Dr. Maria Medina-Arellano (Instituto de Investigaciones Jurídicas. UNAM)

Plenary Lecture 6:  (12:45 – 13:45)
  *Therapeutic uses and current challenges facing cell therapy*
  Arturo Alvarez Buylla (University of California, USA)

Lunch (13:45-15:30)

**Best Abstracts Oral Presentations** (15:30-17:30)

Plenary Lecture 7:  (17:30 – 18:30)
  *Generation of iPSCs for research and clinical application.*
  Dr. Mahendra Rao (New York Stem Cell Foundation Research Institute)

Closure Ceremony.  (18:30 – 18:40)