



## **Day 1: Monday, October 21, 2019**

### **9:00-9:30 Opening ceremony**

Chair: Héctor Mayani

María Antonieta Chávez González (President, SOMICET)

Patricia Rocco (Vice-president, ISCT-SCA)

Elena Álvarez Buylla (Director, CONACYT, Mexico)

Germán Fajardo Dolci (Director, Faculty of Medicine, UNAM, Mexico)

### **9:30-10:30 Plenary Lecture 1**

Chair: Héctor Mayani

*ISCT vision and program for the South and Central America.*

Patricia Rocco (Universidad Federal de Rio de Janeiro. Vice-president, ISCT-SCA).

*From magic realism to science facts: Moving above the Latin American paradigm for stem cell research & development.*

Maroun Khoury (Universidad de los Andes, Chile. Immediate Past Vice- President ISCT-SCA).

### **10:30-11:30 Symposium 1. Pluripotent and Neural Stem Cells**

Chair: Ivan Velasco Velázquez

*Integrin alpha 6 (CD49f), a common denominator of stem cells.*

Luis Villa (Oakland University, USA).

*Determinants of Cell Plasticity in Neuronal Regeneration and Cancer.*

Luis Covarrubias (Instituto de Biotecnología. UNAM, México).

### **11:30-12:00 Coffee break**

### **12:00-13:15 Symposium 2. Stem Cells and Microenvironment**

Chair: Alejandro Cabrera Wrooman

*Comparing pears to apples: Mesenchymal Stem Cells vs. Skeletal Stem Cells.*

Fernando Fierro (University of California. LA, USA).

*Regulation of healthy HSCs and leukemic stem cells by the microenvironment.*

Paul Frenette (Albert Einstein College of Medicine. NY, USA).

### **13:15- 5:00 Lunch/Commercial talk by Bio Rad**

*Minimum Residual Disease. Towards the efficient and sensitive search.*

Sócrates Aviles (Applications Specialist, Bio-Rad Mexico and Latin America).

### **15:00- 17:00 Poster Session 1**

### **17:00-18:00 Plenary Lecture 2**

Chair: José Antonio Alvarado Moreno

*Identifying stem cells that generate in vivo vessel formation in mouse and man.*

Mervin C. Yoder (School of Medicine, Indiana University, USA).



## **Day 2: Tuesday, October 22, 2019**

### **9:00-10:00 Plenary Lecture 3**

Chair: Mónica Lamas Gregori

*Engineering neurogenesis in the postnatal cerebral cortex.*

Berninger Benedikt (King's College London, UK).

### **10:00-11:30 Symposium 3. Epigenetic and Aging Stem Cells**

Chair: Mónica Lamas Gregori

*Aging and Healthy Aging: Winning Strategies. Public health and main drivers: Mexico reality.*

Carmen García Peña (Instituto Nacional de Geriátría, México).

*Adult stem cell therapy and rejuvenation by cell reprogramming as emerging avenues of antiaging research.*

Rodolfo Goya (Universidad de la Plata, Argentina).

*Regulation of hippocampal neurogenesis in the adult and aging brain.*

Henriette van Praag (Florida Atlantic University, USA).

### **11:30-12:00 Coffee break**

### **12:00-13:00 Symposium 4. Metabolism and Cancer Stem Cells**

Chair: Marco Velasco Velázquez

*Senescence-associated inflammatory cytokines and EMT/CSC plasticity*

Jean Paul Vernot (Universidad Nacional de Colombia).

*Thymidylate synthase maintains the EMT/CSC-like state of triple negative breast cancers.*

Paolo Ceppi (Friedrich-Alexander University Erlangen Nurnberg).

### **13:00-15:00 Lunch/Commercial talk by AccesoLab-ThermoFisher**

*Stem cells and 3D cultures: strategies and solutions for their application.*

Daniel Fernández (Applications Specialist, ThermoFisher Scientific America).

### **15:00-17:00 Poster Session 2**

### **17:00-18:00 Plenary Lecture 4**

Chair: María Antonieta Chávez González

*Aberrant Mitochondrial Metabolism in Leukemic Stem Cells.*

Vignir Helgason (University of Glasgow. Scotland UK).



**Day 3: Wednesday, October 23, 2019**  
**ISCT South & Central America Regional Forum**

**8:30-9:30 Plenary Lecture 5**

Chair: Juan José Montesinos Montesinos

*Regenerative Medicine for Lung diseases.*

Daniel J Weiss (University of Vermont, USA. Chief Scientific Officer ISCT).

**9:30-11:00 Symposium 5. Regenerative Medicine**

Chair: Juan José Montesinos Montesinos

*Regenerative medicine for heart failure.*

Maroun Khoury (Immediate Past Vice-President ISCT-SCA)

*Stem cell therapy in emphysema: from bench to bedside.*

Patricia Rocco (Vice-president, ISCT-SCA)

*Stem cell therapy in osteoarthritis: from bench to bedside.*

Yves-Marie Pers (CHU Montpellier, France)

**11:00-11:45 Coffee break (Ho Chi Minh Auditorium, Faculty of Economy, UNAM).**

**11:45-13:15 Symposium 6. Legislation and Bioethics**

Chair: María de Jesús Medina Arellano

*Legislations perspectives in Brazil.*

Antonio Carlos Campos de Carvalho (University of Rio de Janeiro, Brazil. Vice- President Elect ISCT-SCA).

*Legislations perspectives in USA.*

Daniel J Weiss (University of Vermont, USA. Chief Scientific Officer ISCT).

*Ethical and Judicial Battles over Unproven Stem Cell Interventions.*

María de Jesús Medina Arellano (Instituto de Investigaciones Jurídicas, UNAM).

**13:15-15:00 Lunch**

**15:00-17:00 Best Abstracts Oral Presentations**

Chair: Elizabeth Ortiz

**17:00-18:00 Plenary Lecture 6**

Chair: Diana Escalante

*Born far from each other, but destined to be together; How does the cerebral cortex adjust the numbers of inhibitory cells?*

Arturo Álvarez Buylla (University of California, USA).

**18:00-18:10 Concluding Remarks**

Chair: Mónica Lamas Gregori