

5th INTERNATIONAL MEETING ON
STEM CELLS
AND **REGENERATIVE MEDICINE**



SOCIEDAD MEXICANA PARA LA INVESTIGACIÓN
EN CÉLULAS TRONCALES, A.C.
MEXICAN SOCIETY FOR STEM CELL RESEARCH

International Society
ISCT
Cell & Gene Therapy®

**ACADEMIC
PROGRAM**

Monday, October 21

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, School 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

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

Maroun Khoury

10:30 – 11:30

Symposium 1. PLURIPOTENT AND NEURAL STEM CELLS

Chair: Iván Velasco Velázquez

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

Luis Villa

Determinants of Cell Plasticity in Neuronal Regeneration and Cancer.

Luis Covarrubias

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

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

Paul Frenette

13:15 – 15:00

Lunch and Commercial talk by Bio Rad

Minimum Residual Disease. Towards the efficient and sensitive search.

Sócrates Avilés

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

Raoul Fournier Auditorium,
Faculty of Medicine, UNAM.
21-23 October 2019 Mexico City

Tuesday, October 22

9:00 – 10:00

Plenary Lecture 3

Chair: Mónica Lamas Gregori

Engineering neurogenesis in the postnatal cerebral cortex.

Berninger Benedikt

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

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

Rodolfo Goya

Regulation of hippocampal neurogenesis in the adult and aging brain.

Henriette van Praag

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

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

Paolo Ceppi

13:00 – 15:00

Lunch and Commercial talk by AccesoLab-ThermoFisher

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

Daniel Fernández

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

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**ACADEMIC
PROGRAM**

Wednesday, October 23
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

9:30 – 11:00

Symposium 5. REGENERATIVE MEDICINE

Chair: Juan José Montesinos Montesinos
Regenerative medicine for heart failure.
Maroun Khoury
Stem cell therapy in emphysema: from bench to bedside.
Patricia Rocco
Stem cell therapy in osteoarthritis: from bench to bedside.
Yves-Marie Pers

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
Legislations perspectives in USA.
Daniel J Weiss
Ethical and Judicial Battles over Unproven Stem Cell Interventions.
María de Jesús Medina Arellano

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

18:00 – 18:10

CONCLUDING REMARKS

Mónica Lamas Gregori

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