



Programme

11th International Meeting of
the Portuguese Society for

Stem Cells and Cell Therapies

10-12th October 2019 Lisbon, Portugal

PROGRAMME

DAY 1 – 10 OCTOBER 2019

11:30 – 13:15

Arrival at Faculty of Pharmacy, Universidade de Lisboa – Registration

13:15 – 13.30

Opening Session – Chairmen's Introduction

13:30 – 14:10

PLENARY LECTURE I: David Hay

MRC Centre for Regenerative Medicine, The University of Edinburgh, Edinburgh, UK

Developing functional human liver tissue from pluripotent stem cells

Chair: Joana Miranda (iMed.U LISBOA-FFUL)

Session 1: Stem Cell Specification and Regulation

Chairs: Hugo Fernandes (CNC-UCoimbra) e Gabriela Rodrigues (FCUL)

14:10 – 14:35

Invited Speaker | Catarina Homem

CEDOC, NOVA Medical School, Lisbon, PT

To divide or differentiate – the fate of Drosophila neural stem cells

14:35 – 14:50

O1 | Francisca Soares-da-Silva

i3S, INEB, UPorto, Oporto, PT

The mouse fetal liver stroma: signals for HSC expansion

14:50 – 15:05

O2 | Maria Ribeiro

iMed.U LISBOA, FFUL, Lisbon, PT

Diet-associated gut microbiota metabolites dictate mitochondrial stress as a key regulator of adult neurogenesis

15:05 – 15:20

O3 | Simão Rocha

iMM, FMUL, Lisbon, PT

Epigenetic variability of iPSCs: causes and consequences

15:20 – 15:35

O4 | Bruno Pereira

i3S, IPATIMUP, UPorto, Oporto, PT

Mex3a regulates Igr5+ stem cell maintenance in the developing gut

15:35 – 16:20

Coffee Break / Exhibitor Stands / Poster Session

Session 2: Stem Cell Engineering

Chairs: Diana Nascimento (i3S-U Porto) e Ana Fernandes (IST-U LISBOA)

16:20 – 16:45

Invited Speaker | Margarida Diogo

iBB, IST, U LISBOA, Lisbon, PT

Engineering region-specific brain organoids from human induced pluripotent stem cells for disease modeling of Rett syndrome

16:45 – 17:00

O5 | Miguel Fuzeta

iBB, IST, U LISBOA, Lisbon, PT

Scalable production of human mesenchymal stem/stromal cell (msc)-derived extracellular vesicles in vertical-wheel bioreactors

17:00 – 17:15

O6 | Mariana Branco

iBB, IST, U LISBOA, Lisbon, PT

Transcriptomic analysis of 3D cardiac differentiation of human induced pluripotent stem cells reveals faster maturation of cardiomyocytes compared to 2D culture

17:15 – 17:30

O7 | Marília Silva

iBB, IST, U LISBOA, Lisbon, PT

Genome engineering of mesenchymal stem/stromal cells to express the anti-cancer protein azurin

17:30 – 17:45

O8 | Joana Almeida

IIS Aragón, Zaragoza, SP

Influence of human intestinal microbiome on hPSC hepatic maturation

17:45 – 18:10

Invited Speaker | Márcia Rodrigues

3B's, UMinho, Braga, PT

Engineering stem cells for tendon regeneration approaches

18:10 – 18:35

Invited Speaker | André Caetano

Scientific illustrator

Making of a stem cell comic

18:35 – 19:30

Welcome Reception

DAY 2 – 11 OCTOBER 2019

09:00 – 9:40

PLENARY LECTURE II: Alessandro Prigione

MDC, Helmsoltz Association, Berlin, DE

iPSC-driven drug discovery of OXPHOS diseases

Chair: Susana Solá (iMed.U LISBOA-FFUL)

Session 3: Stem Cells in Disease Modelling and Drug Discovery

Chairs: Sara Xapelli (iMM-FMUL) e Inês Araújo (UAlgarve)

9:40 – 10:05

Invited Speaker | Edgar Gomes

iMM, U LISBOA, Lisbon, PT

Nuclear positioning during skeletal muscle development

10:05 – 10:20

O9 | Peggy Kiu Lo

Centre for Biomolecular Sciences, NIHR, Nottingham, UK

Modelling non-alcoholic fatty liver disease (NAFLD) using human induced pluripotent stem cells (HIPSCS)

10:20 – 10:35

O10 | Gonçalo Garcia

iMed.U LISBOA, FFUL, Lisbon, PT

Human iPSC-derived astrocytes as a model to study activation and cell-to-cell trafficking in neuroinflammation

10:35 – 10:50

O11 | Luís Monteiro

CNC, UCoimbra, Coimbra, PT

Generation and characterization of cardiomyocytes derived from a human pluripotent stem cell model of Hutchinson-Gilford Progeria Syndrome

10:50 – 11:05

O12 | Andreia Pinho

ICVS, UMinho, Braga, PT

Immunomodulatory and regenerative effect of the secretome of adipose tissue derived stem cells in spinal cord injury

11:05 – 11:50

Coffee Break / Exhibitor Stands / Poster Session

Session 4: Stem Cells in Cancer

Chairs: Joana Paredes (i3S-UPorto) e Cecília Rodrigues (iMed.Ulisboa-FFUL)

11:50 – 12:15

Invited Speaker | Alexandra Marques

3B's, UMinho, Braga, PT

The future prospects for skin tissue engineering

12:15 – 12:30

O13 | Vanda Marques

iMed.Ulisboa, FFUL, Lisboa, PT

Discovery of colon cancer stem cell inhibitors by high-throughput screening in a 3D spheroid model

12:30 – 12:45

O14 | Diogo S. Castro

IGC, Oeiras, PT

Transcriptional control of glioblastoma cell invasiveness

12:45 – 13:00

O15 | Diana Pádua

i3S, IPATIMUP, UPorto, Oporto, PT

Sox2 is a functional marker of gastric cancer stem cells

13:00 – 13:15

O16 | Ana Serra

iBET, ITQB, Oeiras, PT

Hydroxytyrosol, the major phenolic compound of virgin olive oil, inhibits cell proliferation and targets cancer stem cell subpopulation in a 3D cell model of colorectal cancer

13:15 – 14:45

Lunch

Session 5: Cell Therapy

Chairs: José Belo (CEDOC-NMS) e Ana Collete Maurício (ICBAS-UPorto)

14:45 – 15:10

Invited Speaker | Bruno Silva-Santos

iMM, ULisboa, Lisboa, PT

Delta One T cells: developing a new cellular immunotherapy for cancer

15:10 – 15:25

O17 | Ana Caseiro

ICBAS, CECA, UPorto, Oporto and EUVG, Coimbra, PT

The supporting role of mesenchymal stromal/ stem cells in neuromuscular regeneration – the effects of MSCs secretome on endothelial populations

15:25 – 15:40

O18 | Hugo Fernandes

FMUC, Coimbra, PT

High-content screening identifies pro-survival miRNAs

15:40 – 15:55

O19 | Catarina Miranda

CNC, UCoimbra, Coimbra, PT

Spectroscopic biomarkers as a way of monitoring MSC success in promoting phenotypic ameliorations in Machado-Joseph Disease models

15:55 – 16:10

O20 | Sérgio Camões

iMed.Ulisboa, FFUL, Lisboa, PT

Delivery of exosomes derived from of 3D-cultured human neonatal mesenchymal stromal cells improve cutaneous wound healing

16:10 – 16:55

Coffee Break / Exhibitor Stands / Poster Session

Session 6: Translational Session

16:55 – 18:15

Roundtable | Stem Cells and Cell Therapies: From Bench to Bedside

Moderator: Perpétua Pinto-do-Ó, SPCE-TC President; i3S, UPorto, Oporto, PT

Cláudia Lobato da Silva, IST, ULisboa, Lisbon, PT

Ana Pêgo, i3S, UPorto, Oporto, PT

João Ramalho-Santos, CNC, UCoimbra, Coimbra, PT

Nuno Miranda, IPOL-FG, Lisbon, PT

João Sargento-Freitas, HUC, Coimbra, PT

João Lacerda, iMM, ULisboa, Lisboa, PT

18:15 – 19:30

General Assembly

20:00

Networking Dinner at Lisbon Story Centre

A free shuttle BUS service will be provided

DAY 3 – 12 OCTOBER 2019

09:00 – 9:40

PLENARY LECTURE III: José Silva

Wellcome – MRC Cambridge Stem Cell Institute, Cambridge, UK

Deciphering induced pluripotency

Chair: Inês Milagre (IGC)

09:40 – 10:10

Coffee Break / Exhibitor Stands

Session 7: Emerging Clinical Technologies

Chairs: Miguel Santos (ITQB-UNL), Luís Pereira de Almeida (CNC-FFUC) e José Bragança (CBMR-UAAlgarve)

10:10 – 10:35

Invited Speaker | Margarida Serra

iBET, Oeiras, PT

Advancing manufacture of cell therapy products through process understanding

10:35 – 10:50

O21 | Alisson Gontijo

CEDOC, NOVA Medical School, Lisbon, PT

Intersectional genetics for human diagnostics and therapeutics

10:50 – 11:05

O22 | Stephen Fey

CelVivo IVS, Blommenslyst, DK

3D culture geometry as a powerful driving force to recover physiological performance of cells and tissues

11:05 – 11:20

O23 | Ana Marote

ICVS, UMinho, Braga, PT

Induced pluripotent stem cell-derived mesenchymal stem cells secretome as a new therapeutic tool for Parkinson's Disease

11:20 – 11:35

O24 | Sónia Pinho

CNC, UCoimbra, Coimbra, PT

NIR-light triggerable delivery of CRE recombinase to NSCs and manipulate with optogenetics to control brain activity

11:35 – 12:00

Invited Speaker | Lino Ferreira

CNC, UCoimbra, Coimbra, PT

Cell regulation by biomaterials

12:00 – 12:20

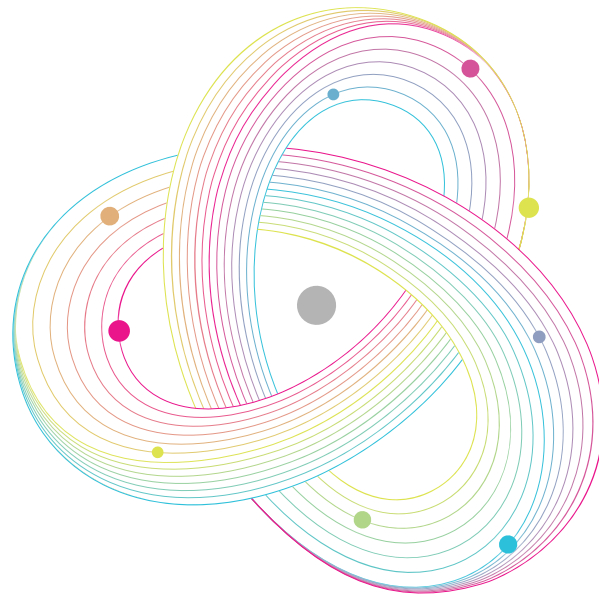
Prémio Crioestaminal & SPCE-TC de Investigação em Medicina Regenerativa

12:20 – 12:30

Closing Ceremony

Best Poster Award | Biosskin

Best Oral Presentation Award | Crédito Agrícola



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Institutional Partners:

