



28<sup>th</sup> April

- 11:00 - 11:30** **OPENING CEREMONY**  
JOÃO GABRIEL – Provost of University of Coimbra  
CATARINA OLIVEIRA – Director of CNC  
CARLOS FARO – President of BIOCANT  
JOAQUIM SAMPAIO CABRAL – President of the SPCE – TC  
MANUEL HEITOR – Secretary of State for Science, Tech. and Higher Education
- 11:30 - 12:30** **PLENARY LECTURE #1 – a co-organization with the 5th Annual Meeting on Cell Signalling**  
**Lecture:** Tariq Enver, University College of London, England *"Rules of lineage commitment in haematopoiesis"*  
**Chair:** Ricardo Neves
- 12:30 - 14:00** **LUNCH**  
**Info session (Auditório, 13:15-14:00, Joana Camilo and Maria João Fernandes):** (FP7 funding opportunities: Health area)
- 14:30 - 15:30** **SESSION #1: Cancer Stem Cells- a co-organization with the 5th Annual Meeting on Cell Signalling**  
**Chairs:** Joana Correia and Artur Paiva
- 14:30 - 15:00** **Joana Paredes, IPATIMUP, "P-cadherin in breast cancer: the relationship between cancer stem cells and invasion"**
- 15:00 - 15:15** **Pedro Castelo-Branco, UToronto/Geron, "Neural tumor initiating cells have distinct telomere maintenance and can be safely targeted for telomerase inhibition"**
- 15:15 - 15:30** **Sara Neves, CNC/HUC/IBILI/UC, "Cancer stem-like cell populations in osteosarcoma and implications in therapy response"**
- 15:30 - 16:00** **COFFEE-BREAK / EXHIBITOR STANDS**
- 16:00 - 17:00** **PLENARY LECTURE #2**  
**Lecture:** Keisuke Kaji, Medical Researcher Council, Scotland  
*"Reprogramming - from Technology to Biology"*  
**Chair:** Luis Almeida
- 17:00 - 18:00** **SESSION #2: Pluripotent stem cells and Regenerative Medicine**  
**Chairs:** José Belo and João Ramalho Santos
- 17:00 - 17:15** **A. Santos-Carvalho, CNC/UIowa/Harvard, "iPS cells from the retina of a reprogrammable mouse strain: characterization and differentiation into photoreceptors"**
- 17:15 - 17:30** **Tiago Fernandes, IST/IBB, "Application of a central composite design for modeling mouse embryonic stem cell-renewal at different O2 levels"**
- 17:30 - 17:45** **João Facucho-Oliveira, IBB/UAlgarve, "mCHEP12: a new secreted molecule capable of enhancing cardiac differentiation of mouse embryonic stem cells"**
- 17:45 - 18:00** **Isabel Fidalgo-Carvalho, BIOCANT/CNC/CRIOESTAMINAL, "Improved survival, vascular differentiation and wound healing potential of stem cells co-cultured with endothelial cells"**
- 18:00 - 19:00** **POSTER SESSION - SPARKLING WINE OF HONOR**
- 19:00 - 19:30** **FORUM - Discussion about the new legislation regarding the use of human stem cells for scientific research**
- 20:00** **CONFERENCE DINNER - an event that brings together the Cell Signaling Meeting community and the Stem Cells and Cell Therapies community.**



29<sup>th</sup> April

- 9:00 - 10:00** **SESSION #3: Neural Stem Cells and Development**  
**Chairs:** Domingos Henrique and Inês Araújo
- 9:00 - 09:15** **Alexandra Rosa**, CNC/USouthern California/UC, *"Heterocellular contacts between endothelial and subventricular zone cells modulate stem/progenitor cell neurogenic capacities: evidence for the involvement of laminin-1 and  $\alpha6\beta1$  integrin"*
- 09:15 - 9:30** **Ana Guedes**, IMM, *"Notch pathway and the cell cycle of neural progenitor cells"*
- 09:30 - 9:45** **Ema Torrado**, iMED.UL/CPM/Trieste *"Redox environment and cell defense mechanisms during neural progenitor cell proliferation and differentiation: Mrp1 role"*
- 09:45 - 10:00** **Bruno Carreira**, CNC/IBILI, *"Nitric oxide, microglia and neural stem cells: friends or enemies?"*
- 10:00 - 10:30** **COFFEE-BREAK / EXHIBITOR STANDS**
- 10:30 - 11:30** **SESSION #4: Neural Stem Cells and Neural tissue engineering**  
**Chairs:** Cláudia Cavadas and Liliana Bernardino
- 10:30 - 10:45** **L. Sousa-Ferreira**, CNC/FFUC, *"Fluoxetine promotes hypothalamic progenitor cells proliferation by increasing BDNF and NPY expression"*
- 10:45 - 11:00** **Teixeira, F.G.**, UM/3B's/IBB, *"Transplantation of human umbilical cord perivascular stem cells (HUCPVCs) and their conditioned media enhances proliferation, survival and differentiation in central nervous system"*
- 11:00 - 11:15** **Isabel Amaral**, INEB/IBMC/IMM, *"Evaluation of a fibrin gel for transplantation of embryonic stem cell derived neuroprogenitors into the injured spinal cord"*
- 11:15 - 11:30** **Tiago Santos**, BIOCANT/CNC/UA Algarve, *"Intracellular delivery of retinoic acid-loaded nanoparticles modulates neuronal differentiation of stem cells"*
- 11:30 - 12:30** **PLENARY LECTURE #3**  
**Lecture:** **Magdalena Gotz**, University of Munich, German *"Glial cells as neural stem cells - new approaches to repair"*  
**Chair:** João Malva
- 12:30 - 14:00** **LUNCH**
- 14:00 - 15:00** **PLENARY LECTURE #4**  
**Lecture:** **Carsten Werner**, Technische Universität Dresden, Germany *"Biomaterials to direct hematopoietic stem and progenitor cells in culture"*  
**Chair:** Lino Ferreira
- 15:00 - 15:45** **SESSION #5: Stem Cell Bioengineering**  
**Chairs:** Paula Alves and Cláudia Lobato
- 15:00 - 15:15** **Claudia Correia**, UNL/ITQB, *"Integrating expansion and cryopreservation of human embryonic stem cells using microencapsulation technology"*
- 15:15 - 15:30** **Pedro Oliveira**, IBB/IST/Louisiana State University/IPOFG, *"Genetic stability during the ex-vivo expansion of human mesenchymal stem cells for clinical applications"*
- 15:30 - 15:45** **Márcia Rodrigues**, 3B's/IBB/Wake Forest University, *"Amniotic fluid stem cells versus bone marrow mesenchymal stem cells for bone tissue engineering"*
- 15:45 - 16:15** **COFFEE-BREAK / EXHIBITOR STANDS**



6<sup>TH</sup> INTERNATIONAL MEETING OF THE  
PORTUGUESE SOCIETY FOR STEM CELLS  
AND CELL THERAPIES

28<sup>TH</sup>/29<sup>TH</sup> APRIL  
BIOCANT - Cantanhede

- 16:15 - 17:15** **SESSION #6: Regenerative Medicine**  
**Chairs:** Nuno Neves and Perpétua Pinto-do-O
- 16:15 - 16:30** **Rogério Pirraco**, UTokyo/3B's/IBB/Uminho, *"Endothelial cells increase cell sheets osteogenic potential"*
- 16:30 - 16:45** **Cláudia Silva**, IST/IBB/IPOGF/Louisiana State University, *"Clinical grade expansion of human mesenchymal stem cells using a microcarrier-based system under serum-free and xeno-free conditions"*
- 16:45 - 17:00** **Diana Nascimento**, INEB/URoma/IBMC, *"A novel cell-line model system for mouse cardiac progenitor (CPC) cells"*
- 17:00 - 17:15** **Paulo Sardinha**, IST/Imperial College, *"Latent TGF- $\beta$ 1-modified poly(L-lactide) electrospun fibers for cartilage tissue engineering"*
- 17:15 - 17:45** **SPCE-TC GENERAL ASSEMBLY (MEMBERS ONLY)**
- 17:45 - 18:00** **CRIOESTAMINAL ORAL COMMUNICATION AWARD**  
**CRIOESTAMINAL POSTER AWARD**  
**EXHIBITOR STAND AWARDS**  
**Chairs:** Margarida Diogo, Mário Grãos, Manuela Gomes
- 18:00** **CLOSING CEREMONY**  
**JOAQUIM SAMPAIO CABRAL** – President of the SPCE – TC  
**LINO FERREIRA** – Meeting Co-Chair  
**JOÃO MALVA** – Meeting Co-Chair

Organization



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