

1st DISCOVERIES FORUM

ON REGENERATIVE AND PRECISION MEDICINE

PROGRAM OUTLINE

LOCATION: PORTO PALÁCIO HOTEL, PORTO

Day 1 | Wednesday, September 25

09.00-14.00

Registration

14.15-14.30

Welcome and Conference Opening Remarks

Rui L. Reis (3B's Research Group Director, I3Bs, University of Minho, Portugal | 1st Discoveries Forum Chair)
Ricardo Pires (3B's Research Group, I3Bs, University of Minho, Portugal | 1st Discoveries Forum Co-Chair)

14.30-15.30

Translational Lecture L01 - Easy and Hard-Ways for Regulatory Approval of Regenerative Medicines: EU, USA and Japan's Frameworks

Hugo Prazeres (i3S, Portugal)

Short oral presentations I

15.30-15.45

Different energy inputs promotes helicity change in the supramolecular arrangement of carbohydrates

V. Castro, Y. Gao, A. Brito, D.S. Costa, J. Chen, R.V. Uljin, R.L. Reis, I. Pashkuleva, R.A. Pires
3B's Research Group, I3Bs, University of Minho, Portugal

15.45-16.00

An "Off The Shelf" Regenerative Medicine Cell Therapy (cATMP) For Treating Patients With Liver Failure - UCL BioArtificial Liver Machine

Clare Selden, Eloy Erro, Sherri Chalmers, Maooz Awan, Tom Brookshaw, Barry Fuller
University College London, UK

16.00-16.15

Synthesis of biologic-responsive polymers for the manufacturing of docetaxel-loaded nanoparticles for glioblastoma chemotherapy

Cláudia Martins, Marco Araújo and Bruno Sarmento
I3S, University of Porto, Portugal

16.15-16.30

Supramolecular hydrogels formed by a biocatalytic self-assembly are controlled by the choice of the amphiphile regio-isomer

A. Brito, R. L. Reis, R. V. Uljin, R. A. Pires, I. Pashkuleva
3B's Research Group, I3Bs, University of Minho, Portugal

16.30-17.00

Coffee break | Poster Session 1

17.00-17.30

Lecture 01 - Role of the TGF- β family member DAND5 in cardiomyocyte proliferation and disease modelling

José Belo (CEDOC, NOVA Medical School, UNL, Portugal)

17.30-18.00

Lecture 02 - Advancing Manufacture of Human Pluripotent Stem Cell-based products: New technologies for novel therapies

Margarida Serra (IBET | ITQB, UNL, Portugal)

18.30-19.30

Welcome Cocktail - Floor -1, Foyer Restaurant Vita Pura

Day 2 | Thursday, September 26

09.30-10.30	Keynote Lecture 01 - Immunomodulation via the cardiac lymphatic system to improve heart repair Paul Riley (University of Oxford, UK)
10.30-11.00	<i>Coffee break / Poster Session 1</i>
Short oral presentations II	
11.00-11.15	New method for precision medicine initiatives in sulfotransferase-mediated metabolism Natália Marto , Judit Morello, Alexandra MM Antunes, Emília C Monteiro, Sofia A Pereira CEDOC, NOVA Medical School, Portugal
11.15-11.30	Magnetic actuation on human tendon cells exposed to inflammatory cues A. Vinhas , A.I. Gonçalves, M.T. Rodrigues, R.L. Reis, M.E. Gomes 3B's Research Group, I3Bs, University of Minho, Portugal
11.30-11.45	PAMAM PEG-Dendrimers for neurotherapeutic delivery in stroke Sofia Duque Santos , Miguel Xavier, Diana M. Leite, Débora A. Moreira, Beatriz Custódio, Marília Torrado, Rita Castro, Victoria Leiro, João Rodrigues, Helena Tomás, Ana Paula Pêgo i3S, University of Porto, Portugal
11.45-12.00	Building α-chitin-based 3D structures via a biocompatible ionic liquid platform J.M. Gomes , S.S. Silva and R.L. Reis 3B's Research Group, I3Bs, University of Minho, Portugal
12.00-13.00	Translational Lecture 02 - The Art of Entrepreneurial Storytelling in Sales and Pitching Warrick Harniess (Scandinavia Stories UCL, UK)
13.00-14.30	<i>Lunch (restaurante Vita Pura, Porto Palácio Congress Hotel & Spa, floor -1)</i>
14.30-14.50	Lecture 03 - Viral Vectors for cell and gene therapies: enabling biomanufacturing Ana Coroadinha (IBET ITQB, UNL, Portugal)
14.50-15.10	Lecture 04 - Synthetic antibodies Alessandro Poma (University College London, UK)
15.10-15.30	Lecture 05 - Strategies for neuroregeneration using electrically polarized PLLA platforms and omics for target selection Sandra Vieira (University of Aveiro, Portugal)
15.30-16.30	Translational Lecture 03 - The long and winding road to entrepreneurship in Healthcare Eckhard Schwenner (Health-I Business Consulting, Germany)
16.30-17.00	<i>Coffee break / Poster Session 2</i>
17.00-18.00	Keynote Lecture 02 - Regenerative Medicine: Advances in Research and Translation Anthony Atala (Wake Forest University, USA)
20.00	<i>Event Dinner (Restaurant Vita Pura, Porto Palácio Congress Hotel & SPA, Floor -1)</i>

Day 3 | Friday, September 27

<p>09.30-10.30</p>	<p>Pitches presentations by the finalists of the 1st Discoveries Entrepreneurs Prize (10m slots): 09.30 - An in silico platform for selection of peptides with neuroprotective functions 09.40 - iLoF - Intelligent Lab on Fiber 09.50 - IMPAVID - Intelligent Microfabricated Patches able to recruit stem cells and control reperfusion injury process for in Vivo myocardial implantation 10.00 - MENWALK - Patient-specific Artificial MENiscus Wedge-shaped Implants for restoring the biomechanical function of the Knee 10.10 - ProRECOV: Gene therapy using active Profilin-1 to promote functional RECOVery afther spinal cord injury 10.20 - SPIM</p>
<p>10.30-11.00</p>	<p><i>Coffee break / Poster Session 2</i> Panel meeting for the decision on the winner of The Discoveries Entrepreneur Prize</p>
<p>11.00-12.00</p>	<p>Keynote Lecture 03 - Harnessing human brain cell models with robotics and deep learning to discover causes and treatments for neurodegenerative disease <u>Steven Finkbeiner</u> (Gladstone Institute of Neurological Diseases, USA)</p>
<p>12.00-12.30</p>	<p><i>Announcement of the 1st Discoveries Entrepreneurs Prizes & Closing Ceremony</i></p>



Universidade do Minho
Instituto de Investigação em Biomateriais,
Biotecnologias e Biomiméticos



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