

## SCIENTIFIC PROGRAM

Day 1   Wednesday, June 16	
09h00-12h30	Registration (Foyer)
14h30-14h45	<b>Welcome and Opening Ceremony</b> Rui L. Reis (3B 's Research Group, University of Minho, Portugal   TERM STEM 2021 Conference Chair)
	<b>Session I</b> Chair: Rui L. Reis
14h45-15h45	<b>KL01 - The human beings as textile reinforced composites – biohybrid implants for cardiovascular &amp; respiratory applications</b> <u>Stefan Jockenhövel</u> (RWTH Aachen University   Maastricht University, Germany)
15h45-16h45	<b>KL02 – Surface Functionalised Biomaterials and Nanostructures for Advanced Therapies</b> <u>Nuno M. Neves</u> (3B 's Research Group, University of Minho, Portugal)
16h45-17h15	Coffee Break
17h15-18h15	<b>KL03 – Delivery of Proteins and RNA molecules using nanotechnology</b> <u>Maria Jose Alonso</u> (Dept. of Pharmacy and Pharmaceutical Technology, CIMUS Research Institute, University of Santiago de Compostela, Spain)

*\* All abstract's codes are in reference to the abstract list published in this book.*

Day 2   Thursday, June 17	
	Session II Chair: Nuno M. Neves
09h00-10h00	KL04 – Tropoelastin and enhanced wound repair <u>Anthony S. Weiss</u> ( <i>Charles Perkins Centre, School of Life and Environmental Sciences, Sydney Nano Institute, University of Sydney, Australia</i> )
10h00-10h30	Coffee Break
10h30-11h30	KL05 - Biocompatibility Issues for the Tissue Engineered Products for Commercialization <u>Gilson Khang</u> ( <i>Jeonbuk National Univ, South Korea</i> )
11h30-12h30	KL06 - ROS-responsive polymers for tissue repair and regeneration via modulating inflammation microenvironment <u>Changyou Gao</u> ( <i>Department of Polymer Science and Engineering, Zhejiang University, China</i> )
12h30-14h30	Lunch ( <i>Bracara Augusta and Fundação restaurants</i> )
	Session IV Chair: Alexandra P. Marques
14h30-15h30	KL07 - Advances in Shear-thinning Hydrogels for Biofabrication and Tissue Repair <u>Jason Burdick</u> ( <i>University of Pennsylvania, USA</i> )
15h30-16h30	KL08 – Tethered and dynamic biomaterial/cell receptor interaction – control systems for tissue engineering and regenerative medicine <u>Alicia El Haj</u> ( <i>University of Birmingham, UK</i> )
16h30-17h00	Coffee Break / Poster Session
17h00-18h00	KL09 - Can blue have a role in biomaterials for regenerative medicine? <u>Tiago Silva</u> ( <i>3B 's Research Group, University of Minho, Portugal</i> )

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Day 3   Friday, June 18	
	Session VI Chair:Tiago H. Silva
09h30-09h45	OP1 - Engineered spider silk fibers with antimicrobial peptides prevent surgical site infections <u>Albina C. Franco</u> ( <i>3B 's Research Group, University of Minho, Portugal</i> )
09h45-10h00	OP2 - Activity of cork polyphenols against Methicillin-resistant bacteria <u>Ana Rita Araújo</u> ( <i>3B 's Research Group, University of Minho, Portugal</i> )
10h00-10h15	OP3 - Bioengineered implant surfaces with cell-instructive and antibacterial properties <u>Manuel Florit</u> ( <i>3B 's Research Group, University of Minho, Portugal</i> )
10h15-10h30	OP4 - Gellan Gum-based Inks: A step aside from the ordinary <u>Lucília Silva</u> ( <i>3B 's Research Group, University of Minho, Portugal</i> )
10h30-11h00	Coffee Break
11h00-12h00	KL10 - Growth factor-free vascularization of tissue engineered constructs <u>Rogério Pirraco</u> ( <i>3B 's Research Group, University of Minho, Portugal</i> )
12h00-12h15	Closing session

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