

Day 3   Wednesday, November 15	
09.00-14.30	Registration
14.30-14.45	<b>Welcome and Conference Opening Remarks</b> Rui L. Reis and Subhas C. Kundu (3B's Research Group, University of Minho, Portugal   FoReCaST 2017 Conference Chairs)
	Chair: Claudio Migliaresi   Co-Chair: Julio San Román
14.45-15.30	<b>K1 - Biomaterials-based therapy of regenerative medicine</b> Yasuhiko Tabata (Laboratory of Biomaterials, Dept. Regeneration Science and Engineering Institute for Frontier Life and Medical Sciences, Kyoto University, Japan)
15.30-16.15	<b>K2 - Approaches to building complex tissues and organs</b> James Yoo (Wake Forest Institute for Regenerative Medicine, US)
16.15-16.45	Coffee-Break   Poster Session
	Chair: Yasuhiko Tabata   Co-Chair: Heinz Redl
16.45-17.30	<b>K3 - Cell printing for tissue engineering and biological models</b> Claudio Migliaresi (Dept. Industrial Engineering and BIOtech Research Center, University of Trento, Italy)
17.30-18.15	<b>K4 - Bioinspired drug delivery systems and diagnostics</b> Julio San Roman (Instituto de Ciencia y Tecnología de Polímeros, CSIC and CIBER-BBN, Spain)
18.15-19.00	<b>K5 - Materials from Nature as instructive scaffolds for Tissue Engineering</b> Antonella Motta (University of Trento, and European Institute of Excellence on Tissue Engineering and Regenerative Medicine, Italy).
19.00-19.15	<b>OP1 - Nanomechanics of FGF2 - heparin binding at physiological and pathophysiological conditions: implications for drug delivery</b> Tessa C. Lühman (University of Würzburg, Germany)
19.15-19.30	<b>OP2 -Small caliber tissue engineered vascular grafts</b> Beat.H. Walpoth (Department of Cardiovascular Surgery, University of Geneva, Switzerland)
19.30-19.45	<b>OP3 - Fiber Containing 3D Structures for Tissue Engineering</b> Kadrye Tuzlakoglu (Yalova University, Department of Polymer Engineering, Turkey)

Day 4   Thursday, November 16	
	Chair: James Yoo   Co-Chair: Suman Chakraborty
09.00-09.45	<b>K6 - Chemistry-free microfluidic technologies to sort cells for health and disease</b> <u>Utkan Demirci</u> ( <i>Stanford University School of Medicine, Department of Radiology, US</i> )
09.45-10.30	<b>K7 - Bioinspired drug delivery systems and diagnostics</b> <u>Lorenz Meinel</u> ( <i>University of Wuerzburg, Germany</i> )
10.30-11.00	Coffee-Break   Poster Session
	Chair: Jean Durand   Co-Chair: Iulian Antoniac
11.00-11.45	<b>K8 - Dynamic Adaptation of Cancer Cells in Microfluidic Confinements</b> <u>Suman Chakraborty</u> ( <i>Indian Institute of Technology, India</i> )
11.45-12.30	<b>K9 - Minimalist semisynthetic ECM hydrogels for tissue regeneration</b> <u>Kevin E. Healy</u> ( <i>Biomimetic Materials &amp; Tissue Engineering Laboratory, University of California at Berkeley, US</i> )
12.30-14.30	Lunch (Restaurant)
	Chair: Philip Lazarovici   Co-Chair: Luca Primo
14.30-15.15	<b>K10 - STEMbrane - exciting properties of living Amnion</b> <u>Heinz Redl</u> ( <i>Ludwig Boltzmann Institute for Experimental and Clinical Traumatology / AUVA and Austrian Cluster for Tissue Regeneration, Austria</i> ).
15.15-16.00	<b>K11 - Design and application of tissue constructs integrating cells, extracellular matrix and degradable thermoplastic elastomers</b> <u>William Wagner</u> ( <i>McGowan Institute for Regenerative Medicine, University of Pittsburgh, US</i> )
16.00-16.30	Coffee-Break   Poster Session
	Chair: William Wagner   Co-Chair: Lorenz Meinel
16.30-17.15	<b>K12 - Tissue engineered cornea regeneration using functionalized silk scaffolds: Update 2017</b> <u>Gilson Khang</u> ( <i>Department of Polymer Nano Science &amp; Technology, Chonbuk National University, Korea</i> )
17.15-18.00	<b>K13 - Mesoporous silica, periodic mesoporous organosilica, for drug delivery and two-photon photodynamic therapy</b> <u>Jean O. Durand</u> ( <i>ICGM-UMR5253, UM, France</i> )
18.00-18.45	<b>K14 - Biodegradable polymer-based composites and scaffolds for orthopedic applications: advantages, limitations and current trends</b> <u>Iulian Antoniac</u> ( <i>University POLITEHNICA of Bucharest, Romania</i> )
18.45- ...	Cocktail & Dinner FoReCaST (50 <sup>th</sup> Anniversary Dinner)

Day 5   Friday, November 17	
	Chair: Gilson Khang   Co-Chair: Paolo Netti
09.00-09.45	<b>K15 - Dealing with complexity in regenerative medicine: From cell to tissue, organ and organism</b> <u>Clemens van Blitterswijk</u> (MERLN, Maastricht University, The Netherlands)
09.45-10.30	<b>K16 - Activation of endogenous regeneration mechanisms for tissue repair</b> <u>Ranieri Cancedda</u> (Biorigen Srl, Genova, and Dept. of Experimental Medicine, University of Genova, Italy)
10.30-11.00	Coffee-Break   Poster Session
	Chair: Clemens van Blitterswijk   Co-Chair: Antonella Motta
11.00-11.45	<b>K17 - Tumor and vascular three-dimensional culture models: cellular dynamics and precision therapeutics approaches</b> <u>Luca Primo</u> (Candiolo Cancer Institute FPO-IRCCS and Department of Oncology, University of Torino, Italy)
11.45-12.30	<b>K18 - Discovery of Disintegrin-Based, Synthetic Cyclic KTS Peptides as Novel Dual Antagonists of <math>\alpha</math>1B1/<math>\alpha</math>2B1 Integrins with Antiangiogenic Activity using a 3D Matrigel Assay</b> <u>Philip Lazarovici</u> (School of Pharmacy, Institute for Drug Research, Faculty of Medicine, The Hebrew University of Jerusalem, Israel)
12.30-14.30	Lunch (Restaurant)
	Chair: Ranieri Cancedda   Co-Chair: Utkan Demirci
14.30-15.15	<b>K19 - 3D nanopatterning and topological control of extracellular matrix growth for <i>in-vitro</i> 3D tissue engineering and cell migration models</b> <u>Josep Samitier</u> (Institute for Bioengineering of Catalonia, Spain)
15.15-16.00	<b>K20 - Bioengineered tumor microtissues: An <i>in vitro</i> 3D platform to investigate tumor pathophysiology and stromal reaction</b> <u>Paolo Netti</u> (Centre for Advanced Biomaterials for Health Care, CRIB Istituto Italiano di Tecnologia and University of Naples Federico II, Italy).
16.00-16.45	<b>K21 - Machine learning and multi-omics modelling inflammatory and cancer comorbidities</b> <u>Pietro Lio</u> (Computer Laboratory, University of Cambridge, UK)
16.45-17.15	Coffee-Break   Poster Session
17.15-18:30	Meeting with partnering Institutions ( <i>only for partners</i> )
18.30-18.45	Closing ceremony