

WEDNESDAY SEPTEMBER 27th

8.30 – 9.45: REGISTRATION AND WELCOME COFFEE

9.45 – 10.00: OPENING AND WELCOME

SESSION 1

10.00 – 10.35: OPENING KEYNOTE C.J. Kirkpatrick - Developing cellular models for NanoMedicine

10.35 – 11.00: INVITED 1 E. Lippens - Biomaterials the toolbox with biophysical, biochemical and ionic cues to tailor cell differentiation

11.00 – 11.15: LECTURE 1 D. Lefèvre - Nanostructured ECM-like bio-interfaces for tissue engineering & regenerative medicine

11.15 – 11.30: LECTURE 2 E. De Vlieghere - Heterocellular 3D scaffolds as biomimetic of peritoneal metastasis

11.30 – 12.05: KEYNOTE 1 E. Pamula - Drug delivery systems based on nano- and microparticles, hydrogels and scaffolds

12.05 – 13.15: LUNCH

SESSION 2

13.15 – 13.50: KEYNOTE 2 M. Maeda - Nano-bio architectures from double-stranded DNA-functionalized nanoparticles

13.50 – 14.05: INVITED 2 D. Pezzoli - Tailoring the properties of cationic polymers for non-viral gene delivery applications

14.05 – 14.20: LECTURE 3 G. Wang - Non-Crosslinking aggregation of DNA-modified gold nanorods for genotyping and directed assembly

14.20 – 14.35: LECTURE 4 M. Šírová - Polymer drug delivery systems for targeted tumour treatment

14.35 – 15.10: KEYNOTE 3 A. Ovsianikov - Engineering 3D cell culture matrices by means of multiphoton processing

15.10 – 15.40: COFFEE BREAK

SESSION 3

15.40 – 16.15: KEYNOTE 4 J. Amedée - Cell to cell communication within composite polymers for both vascularization and bone tissue regeneration

16.15 – 16.40:	INVITED 3	D. Scharnweber - Glycosaminoglycan derivatives – promising candidates for the design of functional biomaterials
16.40 – 17.05:	INVITED 4	J. Carlos Rodríguez-Cabello – Elastin-like recombinamers: advanced materials for biomedical uses
17.05 – 17.20:	LECTURE 5	H. Capella - Multifunctional extracellular matrix for musculoskeletal tissue engineering applications
17.20 – 17.35:	LECTURE 6	J. Hackethal - Human biomaterials from placenta for tissue engineering and regenerative medicine
17.35 – 17.50:	LECTURE 7	F. Bray - What information can proteomics provide for tissue engineering?
17.50 – 18.25:	KEYNOTE 5	D. Mantovani – Cellularised scaffolds for regenerative medicine: bringing life into macromolecules
20.00 – 21.30:	WELCOME RECEPTION	

THURSDAY SEPTEMBER 28th

SESSION 4

08.30 - 9.05:	KEYNOTE 6	D. Letourneur - Industrial transfer of polysaccharide-based biomaterials for clinical use in the field of tissue engineering
9.05 – 09.30:	INVITED 5	R. Hoogenboom - Poly(2-oxazoline)s: From biomedical applications towards commercialization
09.30 – 10.30:	INDUSTRIAL PITCHES	
10.30 – 11.00:	COFFEE BREAK	

SESSION 5

11.00 – 11.35:	KEYNOTE 7	H. Thienpont - Photonics and biopolymers: interdisciplinary paradigm-shifting research with societal impact
11.35 – 12.00:	INVITED 6	Y. Bayon – Innovation and development of advanced biomaterials – To fit value creation expectations of the medical devices industry
12.00 – 12.25:	INVITED 7	K. Gielen – Shared Facilities for Translating Biomaterial Research into market ready products
12.25 – 12.50:	INVITED 8	W. Dhooze - Life sciences in Flanders: crossing borders of technology & sectors

12:50 – 14.00:	LUNCH	
14.00 – 14.25:	INVITED 9	K. Claes - Different wound dressings in our plastic surgery department and burn centre
14.25 – 14:50:	INTRODUCTION TO INTERREG 2SEAS PROJECT DERMA	
	I. Allan – Novel materials for the management of chronic dermal wounds	
15.00 – 17.30:	POSTER SESSION / DERMA EVENT	
16.00 – 16.30:	COFFEE BREAK	
18.00 – 19.00:	BOAT TRIP	
20.00:	CONFERENCE DINNER	

FRIDAY SEPTEMBER 29th

SESSION 6

8.45 – 9.20:	KEYNOTE 8	A. Pego - Smart design of nanoparticles to cargo nucleic acids to the nervous system
9.20 – 9.35:	LECTURE 8	L. Poocha - Hydrophobic Modification of ELRs for Enhanced Cell Membrane Interaction
9.35 – 9.50:	LECTURE 9	O. Sedlacek - Poly(2-ethyl-2-oxazoline) conjugates of doxorubicin bound via pH-sensitive hydrazone linker: In vitro and in vivo evaluation
9.50 – 10.05:	LECTURE 10	S. Dabiri - Ibuprofen release by in-situ synthesized alginate-brushite hydrogel composite
10.05 – 10.20:	LECTURE 11	F. Costa - N-acetyl cysteine functionalized chitosan film avoids bacteria adhesion without preventing cell adhesion and proliferation
10.20 – 10.35:	LECTURE 12	E. Mendes - Rational morphology control of frozen copolymer aggregates
10.35 – 11:00:	COFFEE BREAK	

SESSION 7

11.00 – 11:35:	KEYNOTE 9	M. Santin - Biomimetic biomaterials for the tissue-like assembly of cells in organ-on-chip devices
11:35 – 11:50:	INVITED 10	M. Dash - Gradients in biomaterials for Interface Tissue Engineering

11.50 – 12:05:	LECTURE 13	I. Papantoniou
12.05 – 12.20:	LECTURE 14	P. Fardim – Chitosan-cellulose biohydrogel beads for hard and soft tissue engineering
12.20 – 12.35:	LECTURE 15	A. Karewicz - Alkaline phosphatase immobilization in halloysite nanoclay
12.35 – 13.55:	LUNCH	
	SESSION 8	
13.55 - 14.30:	KEYNOTE 10	C. Jérôme - Polyphosphoesters as biomaterials
14.30 – 15.05:	KEYNOTE 11	M. Gelinsky - Biopolymer-based blends and composites for 3D printing and bioprinting
15.05 – 15.20:	LECTURE 16	E. Zerobin - Newly developed hydrogel precursors and two-photon initiators based on hyaluronic acid
15.20 – 15.35:	LECTURE 17	A. Hufendiek - Rigid polyurethanes, polyesters and polycarbonates from renewable ketal monomers
15.35 – 15.50:	LECTURE 18	M. Frost - Processing of poly(N-isopropylacrylamide) using hot melt extrusion; a new means of formulating with thermosensitive polymers
15.50 – 16.25:	KEYNOTE 12	A. Pandit - Being a good guest: the host implant paradigm
16.30:	CLOSING REMARKS AND AWARD SESSION	