

**International Workshop on Advanced Materials for Healthcare Applications**  
**22-23<sup>th</sup> May, 2018, Reykjavik, Iceland**

<b>Tue, 22 May</b>	
08:30-09:00	Registration
09:00-09:20	Welcome
<b>Session I - Design and synthesis of novel biomaterials</b>	
09:20-09:55	<b>IL01. Laura Cipolla</b> (Univ. Milan Bicocca, IT) – New strategies towards material biofunctionalisation: Case studies
09:55-10:30	<b>IL 02. Carlos Baleizão</b> (Univ. Lisbon, PT) - Chemical toolbox for advanced imaging nanoparticles
10:30-11:05	Coffee Break & Poster Session
11:05-11:40	<b>IL03. Helena Azevedo</b> (Queen Mary Univ. London, UK) - Combining supramolecular and magnetic forces to create hierarchical organization in soft biomaterials
11:40-12:15	<b>IL04. Luís Carlos</b> (Univ. Aveiro, PT) - Luminescence thermometry: A new tool in bioimaging
12:15-14:15	Lunch
<b>Session II - Bioinspired materials for biomedicine</b>	
14:15-14:50	<b>IL05. José Carlos Rodríguez-Cabello</b> (Univ. Valladolid, ES) - "4D" hydrogels based on elastin-like recombinamers
14:50-15:25	<b>IL06. Henrik Birkedal</b> (Univ. Aarhus, DK) - Self-healing mussel-inspired hydrogels
15:25-16:00	<b>IL07. Harm-Anton Klok</b> (EPFL, CH) - Cell and bacteria-mediated delivery of polymer nanomedicines
16:00-16:30	Coffee Break & Poster Session
<b>Session III - Nanobiomaterials</b>	
16:30-17:05	<b>IL08. João Rocha</b> (Univ. Aveiro, PT) - Quo Vadis: Inorganic and organic-inorganic hybrid nanomaterials
17:05-17:50	<b>IL09. José P. Farinha</b> (Univ. Lisbon, PT) - Hybrid nanocontainers for controlled release
19:00 - ...	Ice breaker
<b>Wed, 23 May</b>	
<b>Session IV - Advanced devices for biomedicine</b>	
09:00-09:35	<b>IL10. Roisin Owens</b> (Univ. Cambridge, PT) - The world is not flat: 3D cell biology integrated with 3D conducting polymer devices
09:35-10:10	<b>IL11. Magnús K. Gíslason</b> (Univ. Iceland, IS) - New directions in 3D modeling and rapid prototyping technologies for surgical planning
10:10-10:45	<b>IL12. Paolo Netti</b> (Univ. Naples Federico II, IT) - Engineered viable and competent human tissue in vitro for tissue-on-chip applications
10:45-11:20	Coffee Break & Poster Session
<b>Session V - Engineering biomimetic microenvironments</b>	
11:20-11:55	<b>IL13. Manuel Salmeron-Sanchez</b> (Univ. Glasgow, UK) – Engineering the cellular microenvironment – physics, growth factors and beyond
11:55-12:30	<b>IL14. Thomas Groth</b> (Martin Luther Univ. Halle-Wittenberg, DE) - Engineering of biomimetic surface coatings and hydrogels with polysaccharides
12:30-14:00	Lunch
<b>Session VI - Translation of materials for healthcare applications</b>	
14:00-14:35	<b>IL15. Ólafur Sigurjónsson</b> (Univ. Reykjavik, IS) - The use of platelet lysate in biomaterial research
14:35-15:10	<b>IL16. Janne E. Reseland</b> (Univ. Oslo, NO) - In vivo performance of a highly porous titanium dioxide bone scaffold and its way to the medical device market
15:10-15:45	<b>IL17. Hélène Lauzon</b> (PRIMEX, IS) - Opportunities of Chitosan in Health Care Applications
15:45-16:00	Closing remarks