

International Workshop on Advanced Materials for Healthcare Applications
22-23th May, 2018, Reykjavik, Iceland

Tue, 22 May	
08:30-09:00	Registration
09:00-09:20	Welcome
Session I - Design and synthesis of novel biomaterials	
09:20-09:55	IL01. Laura Cipolla (Univ. Milan Bicocca, IT) – New strategies towards material biofunctionalisation: Case studies
09:55-10:30	IL 02. Carlos Baleizão (Univ. Lisbon, PT) - Chemical toolbox for advanced imaging nanoparticles
10:30-11:05	Coffee Break & Poster Session
11:05-11:40	IL03. Álvaro Mata (Queen Mary Univ. London, UK) - New supramolecular engineering approaches for advanced biomaterials
11:40-12:15	IL04. Luís Carlos (Univ. Aveiro, PT) - Luminescence thermometry: A new tool in bioimaging
12:15-14:15	Lunch
Session II - Bioinspired materials for biomedicine	
14:15-14:50	IL05. José Carlos Rodríguez-Cabello (Univ. Valladolid, ES) - “4D” hydrogels based on elastin-like recombinamers
14:50-15:25	IL06. Henrik Birkedal (Univ. Aarhus, DK) - Self-healing mussel-inspired hydrogels
15:25-16:00	IL07. Harm-Anton Klok (EPFL, CH) - Cell and bacteria-mediated delivery of polymer nanomedicines
16:00-16:30	Coffee Break & Poster Session
Session III - Nanobiomaterials	
16:30-17:05	IL08. João Rocha (Univ. Aveiro, PT) - Quo Vadis: Inorganic and organic-inorganic hybrid nanomaterials
17:05-17:50	IL09. José P. Farinha (Univ. Lisbon, PT) - Hybrid nanocontainers for controlled release
19:00 - ...	Ice breaker
Wed, 23 May	
Session IV - Advanced devices for biomedicine	
09:00-09:35	IL10. Roisin Owens (Univ. Cambridge, PT) - The world is not flat: 3D cell biology integrated with 3D conducting polymer devices
09:35-10:10	IL11. Magnús K. Gislason (Univ. Iceland, IS) - New directions in 3D modeling and rapid prototyping technologies for surgical planning
10:10-10:45	IL12. Paolo Netti (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
Session V - Engineering biomimetic microenvironments	
11:20-11:55	IL13. Manuel Salmeron-Sanchez (Univ. Glasgow, UK) – Engineering the cellular microenvironment – physics, growth factors and beyond
11:55-12:30	IL14. Thomas Groth (Martin Luther Univ. Halle-Wittenberg, DE) - Engineering of biomimetic surface coatings and hydrogels with polysaccharides
12:30-14:00	Lunch
Session VI - Translation of materials for healthcare applications	
14:00-14:35	IL15. Ólafur Sigurjónsson (Univ. Reykjavik, IS) - The use of platelet lysate in biomaterial research
14:35-15:10	IL16. Håvard Haugen (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	IL17. Hélène Lauzon (PRIMEX, IS) - Opportunities of Chitosan in Health Care Applications
15:45-16:00	Closing remarks