

Monday, September 29<sup>th</sup>

Auditorium Renato Araújo – Central and Rectorate Building | University of Aveiro

13:30 - 19:00	Registration
14:30 - 15:00	Opening Ceremony <b>Artur Silva</b> (Vice-Rector for Research, Innovation and 3 <sup>rd</sup> Cycle of the University of Aveiro, Portugal) <b>João Borges &amp; João F. Mano</b> (Coordinators of SupraLife project at the University of Aveiro, Portugal)
<b>Chairs:</b> <b>João Borges</b> (University of Aveiro, Portugal) & <b>João F. Mano</b> (University of Aveiro, Portugal)	
15:00 - 15:45	<b>PL1. Samuel Stupp</b> (Northwestern University, USA) <i>Bioactive supramolecular materials for regenerative medicine</i>
15:45 - 16:30	<b>PL2. Alberto Saiani</b> (The University of Manchester, UK) <i>Engineering <math>\beta</math>-sheet peptide supramolecular hydrogels for biomedical applications</i>
16:30 - 17:30	Coffee Break & Poster Session
<b>Chairs:</b> <b>Matthew Webber</b> (University of Notre Dame, USA) & <b>Mónica Martínez-Orts</b> (Institute for Advanced Chemistry of Catalonia, Spain)	
17:30 - 18:15	<b>PL3. Ian Hamley</b> (University of Reading, UK) <i>Bioactive self-assembling peptides and lipopeptides</i>
18:15 - 18:30	<b>OC1. Carlos Redondo-Gómez</b> (i3S, University of Porto, Portugal) <i>An enzyme-regulated peptide hydrogel model to mimic pathological calcifications</i>
18:30 - 18:45	<b>OC2. Torsten John</b> (Constructor University, Germany) <i>Molecular mechanisms of peptide assembly for biomaterials</i>
18:45 - 19:00	<b>OC3. Mohamed Elsawy</b> (The University of Manchester, UK) <i>Antibacterial peptide nanofibers: A promising strategy for combating antimicrobial resistance in infected wounds</i>
19:00 - 21:30	Welcome Reception

Tuesday, September 30<sup>th</sup>

Auditorium Renato Araújo – Central and Rectorate Building | University of Aveiro

8:30 - 17:00	Registration
<b>Chairs:</b> <b>Tina Vermonden</b> (Utrecht University, The Netherlands) & <b>Francisco Fernandes</b> (Sorbonne University, France)	
9:00 - 9:45	<b>PL4. João F. Mano</b> (University of Aveiro, Portugal) <i>Multi-scale assembly of cells-rich constructs</i>
9:45 - 10:30	<b>PL5. Cecília Roque</b> (FCT-NOVA University of Lisbon, Portugal) <i>Protein based materials – Bioinspired systems for unusual applications</i>
10:30 - 11:30	Coffee Break & Poster Session
<b>Chairs:</b> <b>Ian Hamley</b> (University of Reading, UK) & <b>Ana Rita Pinho</b> (University of Aveiro, Portugal)	
11:30 - 11:45	<b>OC4. Francisco Fernandes</b> (Sorbonne University, France) <i>Ice templating extracellular matrix proteins as a pathway to develop multi-tubular tissue biomimetic hydrogels</i>
11:45 - 12:00	<b>OC5. Michele Bianchi</b> (University of Modena and Reggio Emilia, Italy) <i>Multifunctional biointerfaces based on micro/nanopatterned (conductive) materials</i>



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12:00 - 14:30	Lunch Break & Networking
<b>Chairs:</b> Alberto Salani (The University of Manchester, UK) & Colin Bonduelle (University of Bordeaux, France)	
14:30 - 15:15	<b>PL6. Matthew Webber</b> (University of Notre Dame, USA) <i>Supramolecular design for on-demand delivery of insulin and glucagon</i>
15:15 - 16:00	<b>PL7. Tina Vermonden</b> (Utrecht University, The Netherlands) <i>Dynamic shrinking hydrogels to engineer narrow tubular structures</i>
16:00 - 16:15	<b>OC6. Stefan Mommer</b> (ETH Zurich, Switzerland) <i>Tough supramolecular hydrogels through homoternary CB[8] host-guest complexation</i>
16:15 - 16:30	<b>OC7. Bárbara Matos</b> (i3S, University of Porto, Portugal) <i>Supramolecular peptide nanostructures for prostate cancer targeted drug delivery</i>
16:30 - 16:45	<b>OC8. Sanne van de Looij</b> (Utrecht University, The Netherlands) <i>Thermo-adaptive hydrogels for mechanical stimulation in cartilage tissue engineering</i>
16:45 - 17:00	<b>OC9. Julián Fuentes</b> (University of Aveiro, Portugal) <i>Desolvation-induced assembly of human platelet lysate into nanoparticles for controlled drug delivery</i>
17:00 - 19:00	Coffee Break & Poster Session
21:30 - 23:30	Young Scientists' Networking Forum

**Wednesday, October 1<sup>st</sup>**

**Auditorium Renato Araújo – Central and Rectorate Building | University of Aveiro**

<b>Chairs:</b> Job Boekhoven (Technical University of Munich, Germany) & Roza Szweda (Adam Mickiewicz University, Poland)	
8:30 - 17:00	Registration
9:00 - 9:45	<b>PL8. E. W. "Bert" Meijer</b> (Eindhoven University of Technology, The Netherlands) <i>From supramolecular polymers to functional materials and systems</i>
9:45 - 10:30	<b>PL9. Patricia Dankers</b> (Eindhoven University of Technology, The Netherlands) <i>From design of supramolecular monomers to unexpected supramolecular polymer behavior – Possibilities for cell and organoid cultures</i>
10:30 - 11:15	Coffee Break & Poster Session
<b>Chairs:</b> Christoph Weder (University of Fribourg, Switzerland) & Michele Bianchi (University of Modena and Reggio Emilia, Italy)	
11:15 - 11:30	<b>OC10. Mónica Martínez-Orts</b> (Institute for Advanced Chemistry of Catalonia, Spain) <i>A promising strategy to trigger superselective disassembly of stimuli-responsive supramolecular fibers</i>
11:30 - 11:45	<b>OC11. Bram Bakker</b> (Eindhoven University of Technology, The Netherlands) <i>Dynamic, robust and bioactive ureidopyrimidinone-platelet lysate hybrid hydrogels</i>
11:45 - 12:00	<b>OC12. Julieta Paez</b> (University of Twente, The Netherlands) <i>Nucleic acid bioinspired, conductive, fibrillar supramolecular hydrogels for engineering heart tissue models</i>
12:00 - 12:15	<b>OC13. Roza Szweda</b> (Adam Mickiewicz University, Poland) <i>Translation of encoded chiral information into polymer properties</i>
12:15 - 12:30	<b>OC14. Victor Veenbrink</b> (Eindhoven University of Technology, The Netherlands) <i>Automated discovery of ECM-mimicking supramolecular assemblies through cell painting and machine learning</i>



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12:30 - 14:30	Lunch Break & Networking
<b>Chairs:</b> E. W. "Bert" Meijer (Eindhoven University of Technology, The Netherlands) & Rui Sun (University of Bristol, UK)	
14:30 - 15:15	<b>PL10. Job Boekhoven</b> (Technical University of Munich, Germany) <i>Regulating non-equilibrium self-assembly with chemical fuels – Spinning ribbons, dissipative structures, and an approach towards synthetic life</i>
15:15 - 15:30	<b>OC15. Valeria Castelletto</b> (University of Reading, UK) <i>Minimal peptide sequences that undergo liquid–liquid phase separation via self-coacervation or complex coacervation with ATP</i>
15:30 - 15:45	<b>OC16. David Reis</b> (ITQB, NOVA University of Lisbon, Portugal) <i>Catalytic peptide-based coacervates for enhanced function through structural organization and substrate specificity</i>
15:45 - 16:00	<b>OC17. Sudeep Koppayithodi</b> (University Jaume I, Spain) <i>Reactive coacervates show budding and membrane formation</i>
16:00 - 16:15	<b>OC18. Federica Pedrini</b> (Università degli Studi di Roma "Tor Vergata", Italy) <i>Dynamic DNA nanomaterials enabled by enzyme-mediated dissipative hybridization chain reaction</i>
16:15 - 16:30	<b>OC19. Elena Spezzani</b> (University of Parma, Italy) <i>Monitoring multivalent DNA origami-cell interactions in real time via single particle tracking</i>
16:30 - 17:00	Coffee Break & Poster Session
18:00	Meeting time for Gala Dinner at the Central and Rectorate Building   University of Aveiro
19:00 - 23:00	Gala Dinner

**Thursday, October 2<sup>nd</sup>**

**Auditorium Renato Araújo – Central and Rectorate Building | University of Aveiro**

<b>Chairs:</b> Cecília Roque (FCT-NOVA University of Lisbon, Portugal) & Mohamed Elsawy (The University of Manchester, UK)	
9:00 - 9:45	<b>PL11. Colin Bondueille</b> (University of Bordeaux, France) <i>Polypeptides: from proteins to new approaches in polymer synthesis</i>
9:45 - 10:30	<b>PL12. Luisa De Cola</b> (University of Milano, Italy) <i>Supramolecular and hybrid responsive nanomaterials for living organism</i>
10:30 - 11:30	Coffee Break & Poster Session
<b>Chairs:</b> Julieta Paez (University of Twente, The Netherlands) & Dominik Schauenburg (Maastricht University, The Netherlands)	
11:30 - 11:45	<b>OC20. Qi Wang</b> (Radboud University Nijmegen, The Netherlands) <i>A universal supramolecular clamping strategy for proximity-induced reactivity on polymersome interfaces</i>
11:45 - 12:00	<b>OC21. Valentin Marot</b> (University of Bordeaux, France) <i>Polypeptide-based <i>in situ</i> forming depots as long-acting injectable for the controlled release of therapeutic molecules</i>
12:00 - 12:15	<b>OC22. Shree Bagchi</b> (Eindhoven University of Technology, The Netherlands) <i>Bottom-up synthesis of artificial cells – Engineering life-like systems</i>
12:15 - 12:30	<b>OC23. Ana Rita Pinho</b> (University of Aveiro, Portugal) <i>Engineering compartmentalized self-assembling scaffolds for <i>in vitro</i> modeling of complex tissues</i>



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12:30 - 14:30	Lunch Break & Networking
<b>Chairs:</b> Luisa De Cola (University of Milano, Italy) & Torsten John (Constructor University, Germany)	
14:30 - 15:15	<b>PL13. Christoph Weder</b> (University of Fribourg, Switzerland) <i>Mechanochromic polymers made with supramolecular mechanophores</i>
15:15 - 15:30	<b>OC24. Dominik Schauenburg</b> (Maastricht University, The Netherlands) <i>Tuning life-like materials: From reversible bonds to regenerative function</i>
15:30 - 15:45	<b>OC25. Iana Lychko</b> (FCT-NOVA University of Lisbon, Portugal) <i>Reflectin-inspired self-assembling systems for functional supramolecular biomaterials</i>
15:45 - 16:00	<b>OC26. Edoardo Sisti</b> (Istituto di Ricerche Farmacologiche Mario Negri, Italy) <i>Hybrid hydrogels for locoregional drug delivery</i>
16:00 - 17:00	Coffee Break & Poster Session
17:00 - 19:00	Social Program

Friday, October 3<sup>rd</sup>

Auditorium Renato Araújo – Central and Rectorate Building | University of Aveiro

<b>Chairs:</b> Patricia Dankers (Eindhoven University of Technology, The Netherlands) & Paulina N. Bernal (University Medical Center Utrecht, The Netherlands)	
9:00 - 9:45	<b>PL14. Carlijn Bouten</b> (Eindhoven University of Technology, The Netherlands) <i>Materials-driven in-situ tissue regeneration</i>
9:45 - 10:30	<b>PL15. Marcy Zenobi-Wong</b> (ETH Zurich, Switzerland) <i>Architecting Scaffolds with Light</i>
10:30 - 11:30	Coffee Break & Poster Session
<b>Chairs:</b> Marcy Zenobi-Wong (ETH Zurich, Switzerland) & Stefan Mommer (ETH Zurich, Switzerland)	
11:30 - 11:45	<b>OC27. Hossein Goodarzi Hosseinabadi</b> (Eindhoven University of Technology, The Netherlands) <i>Supramolecular heart patch for controlled drug release and mechanical support in myocardial infarction therapy</i>
11:45 - 12:00	<b>OC28. Paulina N. Bernal</b> (University Medical Center Utrecht, The Netherlands) <i>Dynamic hybrid gelatin bioresins with supramolecular-covalent networks for enhanced cell migration and self-assembly in volumetric light-based bioprinting</i>
12:00 - 12:30	Closing Ceremony, Best Oral and Poster Awards <b>João Borges &amp; João F. Mano</b> (University of Aveiro, Portugal)



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