

## 24th Annual Meeting of the SSB+RM: **Bioinspired Materials**

June 6-7, 2018 - Adolphe Merkle Institute, University of Fribourg

Time	Wednesday, June 6 <sup>th</sup>	Thursday, June 7 <sup>th</sup>	
8.00 h	<p style="text-align: center;"><b>SSB + RM Young Scientists pre-conference workshop:</b></p> <p>"How to target and get the perfect job for you: career workshop on job interviews, CV preparation, networking and much more with Daniela Gunz (Career Services University of Zürich)"</p>	Registration	
8.15 h		<b>Session III: Bioinspired Materials and Regenerative Medicine</b> Keynote Speaker: Prof. A. Studart <i>"3D Printing of biologically-inspired materials"</i>	
8.30 h			
8.45 h			
9.00 h		<b>C. Levinson:</b> In vitro and in vivo study of the efficiency of a TGFβ1-loaded hyaluronan-based scaffold for cartilage tissue engineering <b>K. Peltari:</b> Extracellular matrix of engineered cartilaginous tissue as a scaffold material to induce chondrogenic differentiation <b>A. Schönenberger:</b> Matrix topography and mechanical load mediate tendon fibroblast response to inflammatory signals	
9.15 h		Coffee, Poster Session II	
9.30 h			
9.45 h		<b>M. Lee:</b> Cationic silica nanoparticle-based nanocomposite for bioprinting large tissue constructs with enhanced structural fidelity and mechanical strength <b>R. May:</b> The Influence of primary human Intervertebral Disc Cells on primary human Osteoblasts	
10.00 h		Registration & Poster installation  Welcome from SSB + RM	General assembly of the SSB + RM
10.15 h			Poster Session III and standing lunch
10.30 h			
10.45 h			
11.00 h			
11.15 h			
11.30 h			
11.45 h			
12.00 h			
12.15 h			
12.30 h	<b>Session I: Bioinspired Materials</b> Keynote Speakers: Prof. C. Weder <i>"Bio-inspired stimuli-responsive materials"</i>		
12.45 h			
13.00 h			
13.15 h	<b>Session IV: open topics</b>	<b>C. Wyss:</b> Resistance to damage of pre-conditioned composite hydrogel implants <b>N. Matter:</b> Pre-process calculation to optimize laser parameter in selective laser melting <b>B. Le Gars Santoni:</b> Bioinspired Calcium Phosphate Ceramics: Influence of Strontium Doping <b>E. Cavalli:</b> Are humanized mice a good animal model for cartilage tissue engineering? A comparative study of chondrogenesis under varying immune backgrounds	
13.30 h		Student Research Award	
13.45 h		Keynote Speaker: Dr. B. Pippenger <i>"Multifactorial surface modifications for comprehensive tissue management: a conceptual approach to dental implantology"</i>	
14.00 h	<b>L. Vainieri:</b> Novel hyaluronan-based hydrogels to support endogenous cartilage repair <b>J. Guerrero:</b> Fractionated human adipose tissue as a native biomaterial for the generation of a bone organ by endochondral ossification <b>B. Gantenbein:</b> Genipin-enhanced fibrin hydrogel combined with engineered silk composite for intervertebral disc repair		
14.15 h	Rapid fire posters and industry presentations	Presentation of Oral and Poster Awards Concluding Remarks	
14.30 h		End of the meeting	
14.45 h	<b>Session II: Biomaterials</b> Keynote Speaker: Prof. P. Fratzl <i>"Bone growth and regeneration – A materials science perspective"</i>		
15:05 h			
15.15 h			
15.30 h			
15.45 h			
16.00 h			
16.15 h			
16.30 h			
16.45 h			
17.00 h			
17.15 h			
17.30 h			
17.45 h			
18.00 h			
18.15 h			
19.30 h	Welcome drink & Conference dinner at Restaurant Le Commerce		