Future 3D Additive Manufacturing | The 3DMM2O Conference

3D Molecular Systems

MONDAY, MARCH 13

Time	Session	Speaker
	Breakfast	
9:00 AM – 9:15 AM	Opening & Welcome	
9:15 AM – 10:00 AM	Aromatic Foldamers: Engineering Molecular Shape	Ivan Huc
10:00 AM – 10:15 AM	Coffee Break	
10:15 AM – 11:00 AM	Nitrogen-Doped Polycyclic Architectures of Different Dimensions: From Chemical Synthesis to Functional Materials	Milan Kivala
11:00 AM – 11:45 AM	Bioactive Peptide Nanostructures in Three Dimensions	Ian Hamley
11:45 AM – 12:00 PM	Group Picture	
12:00 PM – 2:00 PM	Lunch	
2:00 PM – 2:30 AM	Atomically Precise Assembly of Functional Molecular Solids from Building Blocks: The SURMOF Approach	Christof Wöll
2:30 PM – 3:00 PM	Designing New Functional Polymers for 4D Microprinting	Eva Blasco
3:00 PM – 3:20 PM	Laser-based Nano 3D Printing for Parallel Chemistry and Screening	Felix Löffler
3:20 PM – 3:35 PM	Coffee Break	
3:35 PM – 4:05 PM	Molecular Mechano-Sensing in Collagen	Markus Kurth
4:05 PM – 4:15 PM	Flashtalks	
4:15 PM – 5:45 PM	Poster Session I & Drinks	
7:00 PM	Dinner	

TUESDAY, MARCH 14

Time	Session	Speaker
	Breakfast	
9:00 AM – 9:45 AM	Xolography for Volumetric 3D Printing	Stefan Hecht
9:45 AM – 10:30 AM	Towards Living Synthetic Materials	Sijbren Otto
10:30 AM – 10:45 AM	Coffee Break	
10:45 AM – 11:15 AM	Near-Field Electrospinning, DLW, EBL: It's in the Inks	Uwe Bunz
11:15 AM – 11:35 AM	Printability and Post-Processing Characteristics of Powder Bed Fusion Additive Manufacturing SS 17-4ph Fine Porous TPMS Cellular Structures	Manjaiah Mallaiah
11:35 AM – 12:00 PM	Controlling Cell-Material Interactions through Responsive Peptide Nanostructures	Christopher V. Synatschke
12:00 PM – 2:00 PM	Lunch	
2:00 PM – 2:45 PM	Online: Mucin Mimics to Influence Microbial Function	Laura Kiessling
2:45 PM – 3:15 PM	3D Structured Micro-Environments for Controlling Cells	Christine Selhuber-Unkel
3:15 PM – 3:30 PM	Coffee Break	
3:30 PM – 4:15 PM	Designing New Bioinspired 3D Hydrogels for Tissue Regeneration	Lihi Adler-Abramovich
4:15 PM – 5:00 PM	Cluster–Support Interaction Dynamics	Barbara Lechner
5:00 PM – 5:30 PM	Enhancing Biosynthetic Soft Materials for 3D Bioprinting of Tissues	Ute Schepers
5:30 PM – 5:45 PM	Flashtalks	
5:45 PM – 7:00 PM	Poster Session II & Drinks	
7:00 PM	Dinner	

WEDNESDAY, MARCH 15

Time	Session	Speaker
	Breakfast	
9:00 AM – 9:45 AM	Controlling Supramolecular Assemblies with Peptidic Scaffolds	Helma Wennemers
9:45 AM – 10:15 AM	The Story of Photoinitiators: A Quantum Mechanical Perspective	Mariana Kozlowska
10:15 AM – 10:30 AM	Coffee Break	
10:30 AM – 11:15 AM	Repurposing the Chemistry of Life for Nanotechnology	Rein Ulijn
11:15 AM – 12:00 PM	Microgel Particles as Stabilizers for Foams: A Multiscale Approach	Regine von Klitzing
12:00 PM – 1:30 PM	Lunch	
1:45 PM – 2:00 PM	Meet for Social Program (In the Foyer)	
2:00 PM – 6:00 PM	Social Program (Guided Tour, Archery, Yoga)	
7:00 PM	Conference Dinner & Poster Award	

THURSDAY, MARCH 16

Time	Session	Speaker
	Breakfast	
9:00 AM – 9:45 AM	Functional Materials from Protein Self-Assembly	Tuomas Knowles
9:45 AM – 10:15 AM	Tools for Research Data Management, Digitalization and Automation as Important Pillars of Scientific Progress in Experimental Chemistry	Nicole Jung
10:30 AM – 10:45 AM	Coffee Break	
10:45 AM – 11:30 AM	Synthetic Carbohydrate-Based Materials	Martina Delbianco
11:30 AM – 11:50 AM	Phosphate-Driven Systems Chemistry	Charalampos Pappas
11:50 AM – 1:30 PM	Lunch	
1:30 PM – 2:15 PM	Self-Assembly of Gigantic Coordination Polyhedra: From Synthetic to Peptidic	Makoto Fujita
2:15 PM – 2:35 PM	3D-Bioprinting Effects on Cell and Organoid Proliferation and Metabolism	Erin Spiller
2:35 PM – 2:55 PM	Stimuli Responsive Hydrogel Actuators for Microfluidic Applications	Tobias Spratte
2:55 PM – 3:10 PM	Coffee Break	
3:10 PM – 3:55 PM	Online: Reticular Materials to Machines for Climate Change	Omar Yaghi
3:55 PM – 4:40 PM	Online: One Ellipsoid to Rule them All – Cathelicidin-Mimicking Peptoids that are Antiviral, Antibacterial & Antifungal and Well-Tolerated in the Lung	Annelise Barron
4:40 PM	Farewell	
4:45 PM	Departure	

PROGRAM