

## Agenda Summer Cluster Meeting

October 20, 2023

Location: International Department, Schlossplatz 19, 76131 Karlsruhe

Participants: All Cluster Members, Scientific Advisory Board (SAB) members

Time	Topic	Speaker
08:30 – 09:00	Arrival & Networking with Coffee	
09:00 – 10:00	<b>Welcome, General Assembly &amp; Introduction</b>	C. Selhuber-Unkel, M. Wegener
<b>Overarching Projects (OP) I-VI: “Technology/materials drive applications” Presentation (10 min.) &amp; discussion (10 min.)</b>		
10:00 – 10:20	<b>Self-organized (macro)molecular inks for light-based 3D printing</b>	E. Blasco
10:20 – 10:40	<b>Dynamic metamaterials for ultrasound tweezers</b>	P. Fischer
10:40 – 11:25	Coffee Break & <b>Poster Session I</b>	
11:25 – 11:45	<b>High-throughput screening in 3D printed materials and applications</b>	P. Levkin
11:45 – 12:05	<b>New methods for multiscale modeling and inverse design</b>	C. Rockstuhl
12:05 – 12:25	<b>Thermal conversion to nano print novel inorganic materials</b>	Y. Eggeler
12:25 – 01:30	Lunch Break	
1:30 – 1:50	<b>3D laser nanoprinting from the gas phase</b>	S. Dehnen
<b>Overarching Projects VII-X: “Applications drive technology/materials” Presentation (10 min.) &amp; discussion (10 min.)</b>		
1:50 – 2:10	<b>3D Laser-printed microelectronics</b>	M. Wegener
2:10 – 2:30	<b>3D printed responsive photonics</b>	U. Lemmer
2:30 – 2:50	<b>Guiding and manipulating multicellular systems by 3D mechanical bio-metamaterials</b>	M. Bastmeyer
2:50 – 3:35	Coffee Break & <b>Poster Session II</b>	
3:35 – 3:55	<b>3D printing for multifunctional control of biohybrid systems</b>	C. Selhuber-Unkel
3:55 – 4:15	Outlook & Farewell	C. Selhuber-Unkel, M. Wegener
4:15 – 5:15	<i>Parallel: SAB-Meeting and CC-Meeting</i>	CC & SAB
5:15 – 6:00	<i>CC Meeting with feedback by SAB</i>	CC & SAB
From 06:30	<i>Joint Dinner</i>	CC & SAB