	Utrecht Summer School: '3D Printing and Biofabrication', July 2025 Program								
		Time	Location	Торіс	Speaker				
nday	14-Jul	9.30 - 10.00	UMC	Check in and coffee					
		10.00 - 10.15	Heidelberglaan 100	Welcome & Course Overview	Jos Malda (UMCU, Netherlands)				
		10.15 - 10.40	??? college room	Student Introductions	Estee Grandidier (UMCU, Netherlands)				
		10.40 - 11.15		Basics of Additive Manufacturing	Riccardo Levato (Utrecht University, Netherlands)				
		11.15 - 11.45		3D technology in modern healthcare	Chien Nguyn (UMCU, Netherlands)				
		11.45 - 12.45		Lunch (Included)					
		12.45 - 13.15 13.15 - 13.45		Multiphoton lithography and high definition 3D printing Integrating additive manufacturing & AI	Aleksandr Ovsianikov (TU Wien, Austria)				
		13.45 - 14.15		Medical 3D Planning and Printing: Optimal Medical Solutions for Better Clinical Outcomes	Andrew Daly (University of Galway, Ireland) Arsham Makaryan (Materialise NV, Belgium)				
		14.15 - 14.30		Coffee Break					
		14.30 - 15.45		Generation of 3D anatomical models using medical data	Arsham Makaryan (Materialise NV, Belgium)				
		15.45 - 16.15		Bioprinting hydrogels to engineer functional tissue mimics	Tina Vermonden				
		16.15 - 17:05		Bioprinting at organ scale	Mark Skylar-Scott (Stanford University, USA)				
		17.05 - 17.15		Explaining assignments	Jos Malda / Riccardo Levato				
sday	15-Jul	8 15 - 9 00	University of Applied Science						
July	13 341		Location: Padualaan 99	Introduction fablab	Joris van Tubergen				
		3.00 3.30	Location: 1 addition: 33	Getting to know the firmware: introduction to gcode and using it on bioprinting, z-corp) 2.	Gabriel Groesbacher				
		10.00 - 12.00	Start workshops, choosing 1	workflow introduction, 3D drawing (tinkercad) & printing	Bram Nijhof				
		10.00 12.00	out of 3.	3. Hands-on machinework with different material (porcelain, chocolate, PLA)	3. Joris van Tubergen				
		12.00 - 13.00		Lunch with lecture about scanning for protheses	0-				
Workshop 3D	D Drinting	00 15.50		Getting to know the firmware: introduction to gcode and using it on bioprinting, z-corp) 2.	Gabriel Groesbacher				
POLICATION 3L	Frinking	13.00 - 15.30	Start workshops, choosing 1	workflow introduction, 3D drawing (tinkercad) & printing	Bram Nijhof				
			out of 3.	Hands-on machinework with different material (porcelain, chocolate, PLA)	3. Joris van Tubergen				
				Getting to know the firmware: introduction to gcode and using it on bioprinting, z-corp) 2.	1. Gabriel Groesbacher				
		15.45 - 17.45	Start workshops, choosing 1	workflow introduction, 3D drawing (tinkercad) & printing	Bram Nijhof				
			out of 3.	Hands-on machinework with different material (porcelain, chocolate, PLA)	3. Joris van Tubergen				
		10.00	r.J		3. John Vali Tubergen				
		18.00	End						
dnesday	16-Jul		UMC						
uncoddy	10 301								
		08.30 - 09.00	Heidelberglaan 100	Introduction to Regenerative Medicine & Stem Cells	Bernard Roelen (Utrecht University, Netherlands)				
		09.00 - 09.45	??? college room	From biomedical bioprinting to biotechnology and towards space	Michael Gelinsky (TU Dresden, Germany)				
		09.45 - 10.00		Coffee break	Accels Access (TH Belft Neitheleads)				
		10.00 - 10.30		Two photon lithography for neural tissue engineering	Angelo Accardo (TU Delft, Nethelands)				
		10.30 - 11.15 11.15 - 11.45		Robotics technologies for bioprinting	Giovanni Vozzi (University of Pisa, Italy)				
		11.45 - 13.00		Electrowriting in tissue engineering and biofabrication Meet the expert lunch (Included)	Tomasz Jungst (Wuerzburg University, Germany)				
		13.00 - 13.45		Microfluidics-based bioprinting	Wojciech Święszkowski (TU Warsaw, Poland)				
Annlication	ns of 3D			· · · · · · · · · · · · · · · · · · ·	wojciecii święszkowski (10 warsaw, Polanu)				
Applications of 3D biofabrication		13.45 - 14.15		Regulatory aspects in biofabrication and medical 3D printing	Hanneke Later Nijland (Genome Lawyers)				
		14.15 -14.45		Organ on-a-chip technologies	Andries van der Meer (Twente University, Netherlands)				
					Andries van der Meer (Twente Oniversity, Netherlands)				
		14.45 -15.00		Coffee break					
		15:00-15:30		ТВА	Malgorzata Wlodarczyk-Biegun (RU Groningen)				
		15.30 -16.00		TBA	Juergen Groll (Wuerzburg University, Germany)				
		16.00 - 17.30		Work on assignment					
ırsday	17-Jul		Hubrecht / RMCU						
		8.45 - 09.15	Uppsalalaan 8	Volumetric Bioprinting for Fabrication of Highly Complex Living Structures	Paulina Nunez Bernal (UMCU, Netherlands)				
		09.15 - 9.45		Biofabrication to boost cellular agriculture	Lorenzo Moroni (Maastricht University, Netherlands)				
lications of		9.45 - 10.00	Auditorium 08.30 -12.45	Coffee break					
BD		10.00 - 10.30	.1441.01.4111 00.30 -12.43	Printing cartilage	Jos Malda (UMCU, Netherlands)				
		10.30 - 10.30		Adult Stem Cells for Advanced In Vitro Models and Whole Organ Engineering.	Bart Spee (Utrecht University, Netherlands)				
		11.00 - 11.30		How to advance myocardial repair - Printing cardiac tissue?	Alain van Mil (UMC Utrecht, Netherlands)				
		11.30 - 12.00		Building a (vascularized) kidney proximal tubule	Anne Metje van Genderen (Utrecht University, Netherlands)				
		12.00 - 13.00		Lunch (included)	- 132 - 121 - 121 (October Office State) Heater and sy				
		13.00 - 14.00	Room 3	Perspectives in the biofabrication industry	Jasper van Hoorik (BiolNX), Anke de Leeuw (regenHu), Eva van Ingen				
					(ICAT)				
		14.00 - 17.15		Laboratory tour and 3D bioprinting workshop Station 1 - Extrusion printing	Paulina Nunez Bernal				
				Station 1 - Extrusion printing Station 2 - Melt Electrowriting	Lennard Spauwen				
				Station 2 - Meil Electrowriting Station 3 - Volumetrci printing and DLP	Sammy Florczak				
				Station 4 - LIFT printing and DLP	Nuria Gines Rodriguez				
				Station 5 - Microfluidics and Organ-on-a-chip	Mohammad Jouybar				
				Station 6 - Meet the Industry (BioINX, RegenHU, ICAT)	Industry representatives + booth in the green area				
		17.15 - 18.00		Work on assignment	,				
ay	18-Jul	9.00 - 9.30	UMC	Key collection	Riccardo Levato				
	1				Riccardo Levato				
		9.30 - 10.30	Heidelberglaan 100	Keynote Lecture - Regeneration and Biofabrication: learning from Nature	Leo Otsuki (IMBA, Austria)				
		10.30 - 12.00							
	Presentations		??? college room	Student presentations					
				·					
Presenta	ations	40							
		12.00 - 12.15		Announcement of award for best presentation					
Presenta Assignm Wrap (nents								
Assignm	nents	12.00 - 12.15 12.15 - 12.45 12.45 - 14.00		Announcement of award for best presentation Wrap-up Class Lunch (included)					

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