

	Time (CEST)	Activity	Lecturer
Day 1	15:00	Welcome & Course Overview	Jos Malda (UMC Utrecht, Netherlands)
12-Jul	15:05	Basics of Additive Manufacturing + Biofab	Riccardo Levato (UMC Utrecht, Netherlands)
	15:30	3D printed patient-specific prosthesis	Harrie Weinans (UMC Utrecht, Netherlands)
	15:55	Break	
	16:10	Novel biomaterials and strategies for extrusion printing and bioprinting	Michael Gelinsky (Dresden, Germany)
	16:35	Hydrogels and bioinks	Khoon Lim (Otago, New Zealand)
	17:00	Break	
	17:15	3D Design lab - Fundamentals (CAD)	Joost van Duin (UMC Utrecht, Netherlands)
		Slicing and G-Code simulation	
		3D design practice	
	18:30	Wrap-up day 1	
Day 2	15:00	Organ printing: past, present and future	Vladimir Mironov (3DBioprinting Solution, Russia)
13-Jul	15:30	Extrusion bioprinting of hydrogels	Marcy Zenobi-Wong (ETH Zurich, Switzerland)
	15:55	Break	
	16:10	Electrospinning writing	Paul Dalton (Oregon, USA)
	16:35	Light projection printing and Volumetric Bioprinting	Paulina Nunez Bernal (UMC Utrecht, Netherlands)
	17:00	High resolution two photon printing	Aleks Ovsianikov (TU Wien, Austria)
	17:25	Break	
	17:40	Industry Session - Innovation in Biofabrication	
	18:30	Wrap-up day 2	
Day 3	15:00	Converged biofabrication and applications	Miguel Castilho (UMC Utrecht, Netherlands)
14-Jul	15:30	Live connection with the Lab - Melt Electrowriting	Andrei Hrynevic (UMC Utrecht, Netherlands)
	16:00	Break	
	16:15	Live connection with the Lab - DLP printing	Yang Li (UMC Utrecht, Netherlands)
	16:45	Live connection with - Volumetric Bioprinting	Sammy Florczak (UMC Utrecht, Netherlands)
	17:15	Live connection with - Extrusion printing	Nasim Golafshan (UMC Utrecht, Netherlands)
	17:45	Break	
	18:00	Discussion and Wrap-up day 3	
Day 4	15:00	Printing articular cartilage	Florencia Abinzano (UMC Utrecht, Netherlands)
15-Jul	15:25	Printing liver	Bart Spee (Utrecht University, Netherlands)
	15:50	Break	
	16:05	Emulating the Human Alveolar Lung through Biofabrication	Yu Shrike Zhang (Harvard Medical School, USA)
	16:30	Printing cardiac tissue	Joost Sluijter (UMC Utrecht, Netherlands)
	16:55	Break	
	17:10	Biofabrication of vasculature	Debby Gawlitta (UMC Utrecht, Netherlands)
	17:35	Wrap-up and end of the course	