

Preliminary program of the 2 day workshop:
 “NanoBio Surfaces and Interfaces in Healthcare and Science”

Morning June 27th

7:00	Hal open for table booth installations				
8:00	Doors open/coffee				
8:30	Opening by Hugo de Haan and Jeroen Lammertyn				
8:40-9:10	1 st keynote Prof. Dr. Jan de Boer , MERLN/Maastricht University Materiomics BV. , “Digitizing life at the cell-biomaterials interface”				
9:10-9:20	Start up; Dr. Bart Landyt , Cellsine				
9:20-9:30	Start up; MBA Philippe Stas , Trinean				
9:30-10:10	Coffee / tea at the booth area				
Start parallel workshop sessions					
	<i>Human Diagnostic devices (Promotiezaal)</i> Moderators: Jeroen Lammertyn	Regenerative medicine at the nano scale, cell-material and interaction for organ-on-chip devices. (Jubileumzaal) Moderators: Aart van Apeldoorn	<i>Entrepreneurship Cases (Tiensestraat 41, Room 01.02)</i> By spinoff Professors and or founder/Entrepreneur Moderator: Bart Claryse		
10:10-10:30	Prof. Jeroen Lammertyn , MeBios/KU Leuven, “Self-powered programmable microfluidic platform for point-of-care diagnostics”	Dr. Aart van Apeldoorn , Maastricht University, “Bioengineered delivery devices for clinical islet transplantation in type 1 diabetes”	10:10-10:20	Walking to tiensestraat	
10:30-10:50	Dr. Bart Geers , Ghent University, “Highly integrated biosensor devices, towards consumer-based diagnostics”	Wouter Strijker , Mimetas, “High-throughput compound evaluation on 3D networks of neurons and glia in a microfluidic platform”	10:20-10:50	Xeltis BV , Technology Officer, Dr. Martijn Cox	
10:50-11:10	Dr. Marcella Chiari , ICRM CNR, “A New Microarray approach for Ultra-Sensitive Genotyping of KRAS Gene Variants in Colorectal Cancer”	Dr. Ir. Alquin Stevens , Innophysics BV, “Digital surface modifications for microfluidics and biosensor applications”	10:50-11:20	Medimate/CE-Mate BV , general director, Ir. Steven Staal	
11:10-11:30	Dr. Sivashankar Krishnamoorthy , NEMC MRT LIST, “Plasmonic Nanoarrays With Sub-10nm Spatial Resolutions For Highly Sensitive Molecular Sensing and Potential Application To Human Diagnostic Devices”	Dr. Serena Danti , University of Pisa, “Nanostructured and nanocomposite membranes to replace ear function”	11:20-11:55	Bronkhorst high-tech BV , Technical director, Dr. Ir. Wybren Jousma	
11:30-12:05	Coffee Break / booth demos			11:55-12:05	break
12:05-12:25	Dr. Winfried Arens , IMT Masken un Teilung AG, “Nano patterning bio-active material for the life-sciences industry”	Prof. Dr. Maarten Honing , DSM Resolve, “Understanding Materials – Biology interactions; the use of Surface Plasmon Resonance to study protein absorption”.	12:05-12:40	Materiomics BV , PhD student, Ir. Nick Beijer	
12:25-12:45	Dr. Wilfried Weigel , Scienion AG, “Biofunctionalization as Key Step in Biosensor Applications – From R&D to Highthroughput Manufacturing”	Prof. Dr. Ir. Pascal Jonkheijm , MESA+ University of Twente, “Supported lipid bilayers as stem cell microenvironments”	12:40-13:15	Biogelx ltd , Chief Executive Officer, Dr. David Lightbody	
12:45-13:05	Dr. Adrian Prinz , Stratec, “Translating customers’ ideas into microstructured smart polymer parts”	Prof. Paolo A. Netti , IIT@CRIB, “Instructive materials to control cells fate and morphogenesis”	13:15-13:25	Walking to the Universiteitshal	
13:05-13:25	Lunch /booth demos				
13:25-14:20	Lunch /booth demos/ Photo participants				

Afternoon June 27th

Start parallel workshop session				
	<p><i>Human diagnostic devices (Promotiezaal)</i></p> <p>Moderators: Menno Prins</p>	<p><i>Regenerative medicine at the nano scale, cell-material and interaction for organ-on-chip devices. (Jubileumzaal)</i></p> <p>Moderators: Albert van den Berg</p>	<p><i>Entrepreneurship Cases (Tiensestraat 41, Room 01.02)</i> By spinoff Professors and or founder/Entrepreneur Moderator: Martin Bennink</p>	
14:20-14:40	<p>Prof. Dr. Ir. Menno Prins, TU/e, "Biosensing based on particles and single-molecule methods"</p>	<p>Prof. Dr. Ir. Albert van den Berg, MIRA-MESA+, "Labs, Cells and Organs on a Chip"</p>	14:20-14:30	Walking to tiensestraat
14:40-15:00	<p>Dr. Ir. Ernst Lindhout, Future Diagnostics BV, "Human Diagnostic Devices; an Overview from Micro to Nano IVD"</p>	<p>Prof. Martin Wiklund, KTH Royal Institute of Technology, "Acoustofluidics application in 3D cell culture, micro-tissue and micro-tumor engineering"</p>	14:30-15:05	<p>Saxion NL, Professor, Dr. Ir. Martin Bennink</p>
15:00-15:20	<p>MSc Wilhelm Meyer, Microdrop Technologies, "High Accurate Microarray Spotting for Lab-on-Chip Applications"</p>	<p>MSc Peter Childs, University of the west of Scotland, "Nanokicking: A precision engineering approach to bone regenerative medicine"</p>	15:05-15:40	
15:20-15:40	<p>MSc Rianne de Vries, University Amsterdam</p>	<p>Dr. Maria Iannone, CRIB Naples, "Putting cell in the right context"</p>		
15:40-16:15	Break / booth demos		15:40-16:15	break
16:15-16:35	<p>Dr. Nils Paust, IMTEK, "Centrifugal microfluidics for miniaturization, integration and parallelization of biochemical work flows."</p>	<p>Dr. Arnold Storm, TNO, "Manufacturing of inert, villi-shaped scaffolds for gut-on-a-chip"</p>		<p>Innophysics BV, Chief Technology Officer, Dr. Ir. Alquin Stevens</p>
16:35-16:55	<p>Dr. Max Sonnleitner, Genspeed Biotech GmbH, "GENSPEED Next Generation - how roll-to-roll imprinting enables foil based POC Testing with increased sensitivity and reduced costs"</p>	<p>Dr. Vincent J. Nebot, Polypeptide Therapeutic Solutions, "Polypeptide-based materials as versatile tools for biomedical applications"</p>	16:15-16:55	
16:55-17:15	<p>Dr. Xize Niu, University Southampton, "Wearable droplet microfluidics for real-time continuous monitoring of tissue chemistry"</p>	<p>Dr. Alexander Quick, Nanoscribe GmbH, "3D Printing in Life Sciences"</p>		<p>Mimetas – The Organ on a Chip Company, Business Developer, Wouter Strijker</p>
17:15-17:35	<p>Ir. Steven Staal, Medimate, "Improving decentralized health care by introducing the new and unique electrophoresis self-test platform"</p>	<p>Dr. Monica Brivio, Micronit, "Latest advancements in microfluidic flow control and microfabrication technologies for Point-of-Care, Organ-on-Chip and MEMS applications"</p>	16:55-17:35	
17:35-17:55	<p>Dr. Sapun Parekh, MPIP Mainz, "Molecular imaging including applications of nonlinear microscopy in biology and molecular biophysics"</p>	<p>Dr. David Lightbody, Biogelx Ltd., "Biogelx: Designer Gels for Cell Culture"</p>	17:35-17:55	Walking to the Universiteitshal
19:00-23:00	Meet the startups & match dinner at the Faculty club.			

Morning June 28th

8:00	Doors open/coffee			
8:30-8:40	Opening			
8:40-9:10	1 st keynote Speaker, Prof Tony Cass , Imperial College London, "Aptamers in Nanobioanalysis-from Nanoparticles to Nanopores"			
9:10-9:20	Start up; Prof. Dr. Wim Vanhaverbeke , UHasselt, ESADE Business School, National University of Singapore			
9:20-9:30	Start up; Dr. Vanessa Vankerckhoven , Novosanis			
9:30-9:40	Start up; Ir. Koen Dewaele , ADx NeuroSciences, "Use of ADx monoclonale antibodies on nano based –platforms"			
9:40-10:10	Break			
Start parallel workshop session				
	<i>Molecular Surface Functionalization, antimicrobial/antifouling coatings and analytics, detection, imaging (Promotiezaal)</i> Moderators: Nathalie de Greyter	<i>Drug release systems & Nanomedicine, solid & fluidic micro/NanoParticles. Lead compound discovery and novel screening methods (Jubileumzaal)</i> Moderators: Twan Lammers	<i>Entrepreneurship Cases (Tiensestraat 41, Room 01.02)</i> By spinoff Professors and or founder/Entrepreneur Moderator: Wim Vanhaverbeke	
10:10-10:30	Prof. Dr. Ir. Nathalie de Geyter , Ghent University, "Pre- and post-production plasma treatments of PCL electrospun nanofibers: effects on cellular interactions"	Prof. Dr. Twan Lammers , RWTH Aachen University Clinic, "Clinical translation of targeted nanomedicine"	10:10-10:20	Walking to tiensestraat
				Polypeptide Therapeutic , R&D Deputy Director Solutions, Dr. Vincent J. Nebot
10:30-10:50	Dr. Ir. Jacob Baggerman , Aquamarijn Micro Filtration BV, "Smart Sieves for Life Sciences"	Dr. Eric Gottwald , 300 Microns GmbH, "A New 3D-Cell Culture Platform: Microcavity Arrays – STATARRAYS®, DYNARRAYS®"	10:20-10:55	
10:50-11:10	Prof. Patrick Tabeling , ESPCI ParisTech, "Hydrogel actuators and microfluidic measurement of the Hamaker constant."	Dr. Colin Campbell , University of Edinburgh, "Life and free-energy in 3D tissue models – a tool for drug discovery"		
11:10-11:30	MSc Niek Rijnveld , Optics 11, "Measuring micro-mechanical properties of tissues and single cells with Piuma Nanoindenter technology"	Dr Peter Miethe , FZMB GmbH, "Polysaccharide based nanoparticles"	10:55-11:30	ADx NeuroSciences NV , Chief Executive Officer, Koen Dewaele
11:30-12:05	Break/booth demos		11:30-11:55	Break
11:05-12:25	Dr. Stephan block , Freie Universität Berlin, "Two dimensional flow nanometry for simultaneous determination of size and molecular content of biological nanoparticles"	Dr. Mehmet Deniz Akyuz , Alveole, "Spatial modulation of light: how to dynamically control cell/material interaction"	11:55-12:30	300 Microns GmbH , Chief Executive Officer, Dr. Eric Gottwald
12:25-12:45	Dr. Wout Knoben , Surfifix, "Surface modification for point-of-care devices"	Dr. Michael Gabi , Cytosurge AG/FluidFM Technology, "FluidFM Technology"		
12:45-13:05	Dr. Andrea Valsesia , European Commission Directorate General Joint Research Centre Directorate F – Health, "Surface-based detection platforms for the characterization of Engineered Nanomaterials"	Dr. Jens Baumgartner , Max Planck Institute, "Learning Tricks from Nature: Magnetic Nanoparticles and Magnetotactic Bacteria"	12:30-13:05	Optics 11 , Chief Executive officer, MSc Niek Rijnveld
13:05-13:25	Ir. Lionel Matthys , Fluigent Deutschland GmbH, "From microreactors production to cell culture: microfluidics for researchers"	Dr. Nadine Wilhelm , Fraunhofer IBMT, "Biodegradable nanoparticles for targeted drug delivery"	13:05-13:40	Pertinet , Dr. Maria Iannone
13:35-13:45	Prof. Dr. Bo Su , University of Bristol, "Biomimetic antimicrobial surfaces?"		13:40-13:45	Walking to Universiteitshal
13:45-14:40	Lunch / booth demos / Meeting International Scientific Committee (ISC)			

Afternoon June 28th

Start parallel workshop session		
	<p><i>Molecular Surface Functionalization, antimicrobial/antifouling coatings and analytics, detection, imaging</i> (Promotiezaal) Moderators: Wim de Malsche</p>	<p><i>Booth demo's/snapshot presentations (Jubileumzaal)</i> Meet at the information desk</p>
14:40-15:00	<p>Prof. Dr. Ir. Wim de Malsche, <i>Vrije Universiteit Brussel, "Pillar array columns optimized for high peak capacities in reversed phase chromatography mode"</i></p>	<p>Innophysics NanoKick Microdrop Technologies Surfix Alveole Salm en Kipp NL LA Biosystems SuSoS AG LOT-QuantumDesign GmbH University Hasselt Fluigent</p>
15:00-15:20	<p>Dr. Burak Eral, <i>TU Delft, "E-Barcodes; Multifunctional biodegradable microparticles for labelling food and pharmaceutical products"</i></p>	
15:20-15:40	<p>Prof. Dr. Bart Jan Ravoo, <i>Westfälische Wilhelms-Universität Münster, "Functional surfaces and particles by microcontact printing and click chemistry"</i></p>	
15:40-16:00	<p>Prof. Han Gardeniers, <i>MESA+ / University of Twente, "Microfluidics for forensics"</i></p>	
16:00-16:35	Break / booth demos	
16:35-16:55	<p>Dr. Bart Metselaar, <i>Enceladus BV, "Clinical development of intravenous liposomal prednisolone in inflammatory disease indications"</i></p>	<p>Innophysics NanoKick Microdrop Technologies Surfix Alveole Salm en Kipp NL LA Biosystems SuSoS AG LOT-QuantumDesign GmbH University Hasselt Fluigent</p>
16:55-17:15	<p>Dr. Murali Ghatkesar, <i>TU Delft, "Hollow AFM probes for micro/nano scale fluid manipulation and beyond"</i></p>	
17:15-17:35	<p>Dr. Gerry Nicolaes, <i>Cardiovascular Research Institute Maastricht (CARIM) "the power of MDS and in silico drug design (leads)"</i></p>	
17:40	Closure in Promotiezaal	