

Nano-structured materials and Membranes for Health and Sustainable Water

(University of Twente – Building Horst - Room Horstring N109)

DRAFT PROGRAM, February 3, 2010

Tuesday, April 6, 2010

15.00 – 17.30 Registration of participants at Horstring N109

Wednesday, April 7, 2010

Time	Topic - title	Speaker
8.30 – 9.30	Registration of participants	
9.30 - 10.30	Membranes for health / sustainable water -Preparation and characterization-	M. Wessling (UAachen GE)
10.30-11.30	Membranes for health / sustainable water -Transport mechanisms-	M. Wessling (UAachen GE)
11.30-12.00	<i>Break</i>	
12.00-13.00	Membranes for health / sustainable water - Concentration polarization and fouling-	A. Kemperman (UTwente, NL)
13.00 – 15.00	<i>Lunch</i>	
15.00-16.00	Membranes for sustainable water - Modules and process design -	W. van de Ven (Vitens NV, NL)
16.00-17.00	Membranes for health Mass transfer and modeling	C. Legallais (UTC: FR)
18.00	<i>Dinner</i>	

Thursday, April 8, 2010

Time	Topic - title	Speaker
9.00 - 10.00	Biomaterials - Membranes for drug delivery	D. Stamatialis (UTwente, NL)
10.00-11.00	Membranes for blood purification	J. Vienken (Fresenius; GE)
11.00-11.30	<i>Break</i>	
11.30-12.30	From gun – cotton to polysulfone; a brief history of dialysis	J. Vienken (Fresenius; GE)
13.00 – 15.00	<i>Lunch</i>	
15.00-16.00	Microfiltration and ultrafiltration	A. Kemperman (UTwente, NL)
16.15-18.00	Poster session I (water) – Lab tour group 1	
18.30	<i>Dinner</i>	

Friday April 9, 2010

Time	Topic - title	Speaker
9.00 - 10.00	Biofouling and prevention	H.-C. Flemming (Uni Duisburg-Essen, GE)
10.00-11.00	Traditional water purification systems	W. van de Ven (Vitens NV, NL)
11.00-11.30	<i>Break</i>	
11.30-12.30	Water filtration in Asia	T. S. Chung (Nat. Univ. Singapore, SR)
13.00 – 15.00	<i>Lunch</i>	
15.00-16.00	Importance of water - Water organization	G. Rios (EMH, Fr)
16.00-17.00	European membrane house (EMH)	G. Rios (EMH, Fr)
17.00-17.30	How to write a research proposal	D. Stamatialis (UTwente, NL)
18.30	<i>Dinner</i>	

Saturday, April 10, 2010

Time	Topic - title
09.00-18.00	Excursion (<i>including lunch – dinner</i>)
19.00 - 22.00	Research ideas and proposals (working in groups)

Sunday April 11, 2010

Time	Topic - title
10.00 – 13.00	Research ideas and proposals (working in groups)
13.00 – 15.00	<i>Lunch</i>
15.00 - 17.00	Sport afternoon
18.30	<i>Dinner</i>

Monday April 12, 2010

Time	Topic – title	Speaker
9.00 - 10.00	Water filtration in USA	O. Schneider (American water, USA)
10.00-11.00	Nanofiltration	M. Mänttari (ULappeenranta, FI)
11.00-11.30	<i>Break</i>	
11.30-12.30	Hybrid systems	M. Mänttari (ULappeenranta, FI)
13.00 – 15.00	<i>Lunch</i>	
15.00-16.00	Establishing spin-off company – challenges	P. Nederkorn (UTwente/MESA+, NL)
16.15-18.00	Poster session II (Health) – Lab tour group 2	
18.30	<i>Dinner</i>	

Tuesday April 13, 2010

Time	Topic - title	Speaker
9.00 - 10.00	Membranes for bio-artificial and TE organs	G. Catapano (U Calabria; IT)
10.00-11.00	Membranes for artificial pancreas	M. Mateus (IST, PT)
11.00-11.30	<i>Break</i>	
11.30-12.30	Artificial organs – tissue engineering - Ethical issues / stem cell research	G. Catapano (U Calabria; IT)
13.00 – 15.00	<i>Lunch</i>	
15.00-16.00	Membranes for artificial lung	F. Wiese (Concult MT; GE)
16.00-18.00	Presentation of research proposals	

18.30	<i>Dinner</i>	
-------	---------------	--

Wednesday April 14, 2010

Time	Topic - title	Speaker
9.00 -15.00	Visit at Grolsch – <i>including lunch</i>	
15.00-16.00	Innovative module design	H. Futselaar (Norit, NL)
16.00-17.00	Electrically driven processes	H. Strathmann (Uni Stuttgart, GE)
18.00	<i>Dinner</i>	

Thursday April 15, 2010

Time	Topic - title	Speaker
9.00 - 10.00	Forward Osmosis	E. Cornelissen (KWR, NL)
10.00-11.00	Air/water cleaning of fouled membranes	E. Cornelissen (KWR, NL)
11.00-11.30	<i>Break</i>	
11.30-12.30	Seawater desalination	J. Schippers (UNESCO-IHE, NL)
13.00 – 15.00	<i>Lunch</i>	
15.00-16.00	New nanofiltration membranes	B. Marinas (U Illinois; USA)
16.00-17.00	Disinfection technologies	B. Marinas (U Illinois; USA)
18.00	<i>Dinner</i>	

Friday April 16, 2010

Time	Topic - title	Speaker
9.00 - 10.00	Membranes for bioartificial liver	L. de Bartolo (ITM-CNR, IT)
10.00-11.00	Membranes for biotechnology	L. Giorno (ITM-CNR, IT)
11.00-11.30	<i>Break</i>	
11.30-12.30	From idea to product (valorization, business case development, strategy game)	J. Barsema (Shell/NL)
12.30 – 13.30	Survival skills for scientists	D. Stamatialis (UTwente, NL)
14.00-15.00	<i>Lunch - End of the course</i>	