

Microbiology Centennial Symposium

October 18-20, 2017, Orion, Wageningen Campus

Preliminary program me

Wednesday October 18, 2017

- 16.00 hrs Registration with coffee/tea
- 17.00-19.00 hrs Opening Session - Wageningen School of Microbiology
ft Alex Zehnder, Zurich- Edmonton &
Willem M de Vos, Wageningen-Helsinki
- 17.30 hrs Key Note: Jan van der Meer, Lausanne CH
What Can We Learn From Microbes in the Environment
- 18.15 hrs Key Note: Mark van Loosdrecht, Delft NL
At the Interface of Microbiology
- 19.00-20.30 hrs Drinks & Bites

Thursday October 19, 2017

- 08.30 hrs Registration
- 09.00-12.15 hrs Microbial Ecology – *ft* Hauke Smidt &
Clara Belzer Wageningen & Nanjing
- 09.05 hrs Key Note - Hauke Harms, Leipzig DE
Domesticating Complex Microbial Ecosystems
- 09.45 hrs Clara Belzer, Wageningen, NL
The Nature & Nurture of our Microbiome
- 10:05 hrs Detmer Sipkema, Wageningen, NL
The impact of depth: sponge-associated microbes and antimicrobial activity
change
- 10:25–10.55 hrs Coffee Break
- 10:55 hrs Rocio Martin, Singapore, SP
Intestinal microbiology in early life
- 11:15 hrs Ivonne Nijenhuis, Leipzig, DE
Exploring anaerobic microbial dehalogenation reactions applying compound-
specific stable isotope analysis.
- 11:35 hrs Neslihan Tas, Berkeley, USA
Deep look into deep permafrost: Multi-omics insights to carbon cycling
- 11:50 hrs Johanna Gutleben, Wageningen, NL
Integrating (meta)genomics data into sponge symbiont cultivation

12:00 hrs	<p>10 Poster Pitches (1 minute each)</p> <ul style="list-style-type: none"> • Siavash Atashgahi (Wageningen, NL) A benzene-degrading nitrate-reducing microbial consortium displays aerobic and anaerobic benzene degradation pathways • LooWee Chia (Wageningen, NL) Metatranscriptomics study of trophic interaction between <i>Akkermansia muciniphila</i> and butyrogenic gut commensals • Jens Christian Claussen (Bremen, DE) Cyclic coevolutionary interactions, coexistence fixed point and biodiversity control: An exemplaric minimal model of mutualisms and feedback • Sharon Geerlings (Wageningen, NL) Isolation of bacteriophages against <i>Akkermansia muciniphila</i> • Ioannis Kostopoulos (Wageningen, NL) Mucolytic activity of <i>Akkermansia muciniphila</i> enables human milk oligosaccharides degradation • Noora Ottman (Stockholm, Sweden) The living environment shapes intestinal microbial communities and immune responses in a mouse model • Jules Rombouts (Delft, NL) Microbial diversity in xylose or glucose fermenting enrichments: The impact of continuous growth limitation • Sudarshan Shetty (Wageningen, NL) Human intestinal core microbiome: clues for a minimal microbiome • Alexander Umanets (Wageningen, NL) Characterization of small and large intestinal microbial composition in wild boars • Hugo de Vries (Wageningen, NL) The host-microbiota interactome in early life and its role in gut immune development • Prarthana Mohanraju (Wageningen, NL) Autonomous processing of a single cCRISPR-RNA array by CRISPR-Cas12a enables successful multiplex gene editing
12.15–13.30 hrs	Lunch & Poster Session
13.30–16.45 hrs 13.35 hrs	<p>Microbial Physiology - ft Fons Stams & Diana Sousa, Wageningen-Braga</p> <p>Key Note: Bernhard Schink, Konstanz, DE</p> <p>100 Years of Microbiology in Wageningen and 50 Years of Syntrophy: What Did We Learn?</p>
14.15 hrs	<p>Jan Dolfing, Newcastle, UK</p> <p>Microbial processes in the deep subsurface</p>
14.40 hrs	<p>Diana Sousa, Wageningen, NL</p> <p>Anaerobic microbial growth on one-carbon compounds</p>
15.05 hrs	Coffee Break

15.35 hrs	Wakako Ohtsubo, Tohoku, JP Exploration of sulfate-reducing bacteria colonizing the intestinal tracts
15.45 hrs	Jo Philips, Gent, BE Isolation and characterization of novel electrotrophic microorganisms using metallic iron as sole electron donor
15.55 hrs	Laura Valk, Delft, NL Galacturonate fermentation by anaerobic chemostat enrichment cultures
16.05 hrs	Wei Du, Amsterdam, NL Harnessing microbial evolvability towards developing stable photosynthetic cell factories
16.15 hrs	Alette Langenhoff, Wageningen, NL Pharmaceutical biodegradation under three anaerobic redox conditions evaluated by chemical and toxicological analyses
16:25 hrs	10 Poster pitches (1 minute each) <ul style="list-style-type: none"> • Monir Mollaei (Leeuwarden, NL) Syntrophic cocultures of <i>Geobacter sulfurreducens</i> and <i>Syntrophobacter fumaroxidans</i> growing on propionate and Fe (III) or a solid electrode as electron acceptors • Marjet Oosterkamp (Delft, NL) Identification of arsenic-oxidizing bacteria in rapid sand filters • Martijn Diender (Wageningen, NL) Microbial systems for conversion of syngas to bio-based products • Roy Geerts (Deventer, NL) Assessment of ready biodegradability of alkyl polyglucosides using pure and mixed bacterial cultures. • Yuan Feng (Wageningen, NL) Enrichment of sulfidogenic bacteria from the human intestinal tract • Susakul Palakawong (Wageningen, NL) Organic acid production from starchy waste by rumen derived microbial communities • Peer Timmers (Leeuwarden, NL) Syntrophic acetate oxidation at haloalkaline conditions • Daan van Vliet (Wageningen, NL) Enrichment and isolation of novel polysaccharide-degrading anaerobes from abyssal black sea sediment • Nikoloas Strepis (Wageningen, NL) <i>Trichococcus</i> species as catalysts for biotechnological production of 1,3-propanediol • Rik de Vries (Leeuwarden, NL) Membrane cleaning via bacterial dispersion: stop-flush and go!
16.45–18.00 hrs	Drinks & poster session
19.00-23.00 hrs	Dinner @ Wageningsche Berg

Friday October 20, 2017

09.00–12.00 hrs	Bacterial Genetics <i>ft</i> John van der Oost & Stan Brouns Wageningen Montana–Delft
09.05 hrs	Key Note: Thijs Ettema, Uppsala, SE Origin of Complex Cells
09.45 hrs	Stan Brouns, Delft, NL A brief history of CRISPR research
10.10 hrs	Elleke Bosma, Copenhagen, DK <i>Bacillus smithii</i> as a Novel Thermophilic Cell Factory: From Isolation to Engineering
10.30 hrs	Coffee Break
11.00 hrs	Melvin Siliakus, Texel, NL Converting <i>Escherichia coli</i> into a “archaebacterium” with a hybrid heterochiral membrane
11.20 hrs	Ruud Weusthuis, Wageningen, NL <i>Monascus ruber</i> as cell factory for lactic acid production at low pH
11.40 hrs	Joyce Lebbink, Rotterdam, NL Programmable CRISPR-Cas9 roadblocks to study mechanisms in DNA mismatch repair
12.00 hrs	Bauke Oudega, Amsterdam, NL Mighty Microbes
12.10 hrs	Outlook & Closing Session <i>ft</i> Willem M. de Vos, Wageningen, Helsinki Key Note: Mike Jetten, Nijmegen NL 100 Years of “Impossible” Anaerobic Microbiology and Beyond
13.00 hrs	Lunch & Departures
14.00 hrs	SIAM Meeting (see program me)
19.00 hrs	End of Symposium