

TUESDAY 11 APRIL 2017

09:30 - 11:00	Athene B/C	PLENARY SESSION	
09:30 - 09:35		Opening	
09:30 - 10:10		The fungal dress; dynamics of the fungal cell wall	<i>Han Wösten</i>
10:10 - 10:45		Using genomics to explore host/pathogen interactions in disease	<i>Gordon Dougan (UK)</i>
10:45 - 11:00		Kiem Award ceremony	
		An emerging zoonotic clone in the Netherlands provides clues to virulence and zoonotic potential of <i>Streptococcus suis</i>	<i>Niels Willemse</i>
		Convergent Transcription of Interferon-stimulated Genes by TNF- α and IFN- α Augments Antiviral Activity against HCV and HEV	<i>Wenshi Wang</i>
		Mycosins Are Required for the Stabilization of the ESX-1 and ESX-5 Type VII Secretion Membrane Complexes	<i>Vincent van Winden</i>
11:00 - 11:30	Exhibition	Coffee/tea break	
11:30 - 13:00		PARALLEL SESSIONS	
	Athene B/C	The implementation of regional networks to combat AMR	
11:30 - 12:00		Regional networks in healthcare towards transparency of AMR	<i>Jan Kluytmans</i>
12:00 - 12:15		Nursing homes and their role in AMR	<i>Andreas Voss</i>
12:15 - 12:30		Regional networks; the role of Infection Prevention Practitioners	<i>Paul Caesar</i>
12:30 - 12:45		Infection prevention in nursing homes	<i>Suzanne Lans</i>
12:45 - 13:00		Surveillance of healthcare-associated infections	<i>Maike van Mourik</i>
	Sydney	A healthy microbiome throughout life	
11:30 - 12:00		Early life microbiome development	<i>Guus Roeselers</i>
12:00 - 12:30		Microbiome trajectories over the first 6 years of life	<i>Lennart Kleinjans</i>
12:30 - 12:45		Microbiome in adults; mining for microbial biomarkers?	<i>Gerben Hermes</i>
12:45 - 13:00		Human microbiome and understanding its role in relation to human diseases and aging	<i>Sasha Zhernakova</i>
	Room 4/5	Endocarditis, what is new?	
11:30 - 12:00		Oral antibiotics for the treatment of endocarditis; design of the Danish POET trial	<i>Henning Bundgaard (Denmark)</i>
12:00 - 12:30		Surgical options in the treatment of endocarditis	<i>Petr Symersky</i>
12:30 - 12:45		ESC guidelines for endocarditis	<i>Steven Chamuleau</i>
12:45 - 13:00		Novel imaging techniques for endocarditis: the role of CTA en Pet/Ct	<i>Wilco Tanis</i>
	Room 6/7	Evolution of bacterial ecosystems: from experiment to mathematical model	
11:30 - 12:00		Why does cross-feeding occur within microbial communities?	<i>David R. Johnson (Switzerland)</i>
12:00 - 12:30		Evolution in environmental gradients	<i>Rutger Hermsen</i>
12:30 - 12:45		Interaction networks, ecological stability, and collective antibiotic tolerance in polymicrobial infections	<i>Marjon de Vos</i>
12:45 - 13:00		Microbial selection and stoichiometry of glucose and xylose in mixed-culture ecosystems of anaerobic sequencing batch reactors	<i>Julius Rombouts</i>
	Room 8/9	Human 3D cell culture models: virology in the age of organoids	
11:30 - 12:00		General intro on organoid technology and potential for virus research	<i>Luc van der Laan</i>
12:00 - 12:30		Enterovirus 71 infection studies in human lung and gut organoids reveal a viral determinant of increased susceptibility	<i>Sabine van der Sanden</i>
12:30 - 12:45		Lung organoids for RSV infection	<i>Kuldeep Kumawat</i>
12:45 - 13:00		CRISPR/Cas9-mediated genome editing of herpesviruses limits productive and latent infections	<i>Ferdy van Diemen</i>
13:00 - 14:00		<i>Lunch</i>	
13:00 - 14:00	Sydney	KNVM Business Meeting	

14:00 - 15:30	PARALLEL SESSIONS	
	Athene C	One Health approach: studying transmission at the human-livestock-wildlife interface (NCOH)
14:00 - 14:30		Influenza at the human-livestock-wildlife interface <i>Ron Fouchier</i>
14:30 - 15:00		<i>Streptococcus suis</i> , a not so exotic emerging zoonosis <i>Constanze Schultz</i>
15:00 - 15:15		Eco-Alert: development of disease risk maps to identify ecological hotspots for arboviral emergence in the Netherlands <i>Fred de Boer</i>
15:15 - 15:30		Significant decrease in within-farm prevalence of ESBL-producing <i>E. coli</i> in Dutch broilers parallel to a reduction in antimicrobial use <i>Jaap Wagenaar</i>
	Athene B	NvMy - Emerging fungal threats
14:00 - 14:30		Adaptation, Aspergillus and Azoles: an evolutionary biologists' perspective <i>Bas Zwaan</i>
14:30 - 15:00		<i>Candida auris</i> : an emerging global infectious threat <i>Anuradha Chowdhary (India)</i>
15:00 - 15:15		Update on triazole resistance in <i>A. fumigatus</i> in the Netherlands <i>Paul Verweij</i>
	Sydney	Diagnosis and treatment of Implant Associated Infections (IAI)
14:00 - 14:30		Implant-Associated Infections: hints for successful management <i>Andrej Trampuz & Nora Renz (Germany)</i>
14:30 - 14:45		Novel synthetic antimicrobial and anti-biofilm peptides are highly effective against implant-associated and wound infections by drug-resistant bacteria <i>Martijn Riool</i>
14:45 - 15:00		Optimal culture methods in IAI <i>Anne Reuwer</i>
15:00 - 15:15		Added value and pitfalls of sonication in diagnosing IAI in Erasmus MC <i>Peter Croughs</i>
15:15 - 15:30		Clinical studies on treatment and diagnosis of IAI in St Maartenskliniek <i>Jon Goosen</i>
	Room 4/5	Evolution and application of anaerobes
14:00 - 14:30		Life before the great oxidation event <i>Christian Hallmann (Germany)</i>
14:30 - 14:45		Sulfur metabolism in <i>Desulfurella amilsii</i> , an acidotolerant bacterium isolated from Tinto river sediments <i>Anna Florentino</i>
14:45 - 15:00		Population dynamics of microbial fermentative enrichment cultures <i>Laura Valk</i>
15:00 - 15:15		Syntrophic interactions in microbial fuel cells <i>Monir Mollaei</i>
15:15 - 15:30		Biochemical mechanism of nitrate-dependent methane oxidation <i>Stefanie Berger</i>
	Room 6/7	Pathogenesis I
14:00 - 14:15		Immune evasion by Staphylococcal Peroxidase Inhibitor that blocks myeloperoxidase <i>Nienke de Jong</i>
14:15 - 14:30		The staphylococcal bi-component toxin Panton-Valentine Leukocidin targets human CD45 in an F-component specific manner. <i>Andr�as Spaan</i>
14:30 - 14:45		Long-term maintenance of non-growing Salmonella inside macrophages enlightened by dual RNA-seq <i>Daphne Stapels</i>
14:45 - 15:00		Acquisition of C1 inhibitor by <i>Bordetella pertussis</i> Vag8 results in C2 and C4 consumption away from the bacterial surface <i>Ilse Jongerijs</i>
15:00 - 15:15		The role of C5 convertases in membrane attack complex dependent killing of Gram-negative bacteria <i>Dani Heesterbeek</i>
15:15 - 15:30		Defining the molecular interplay between antibodies and complement in bacterial infections <i>Seline Zwarthoff</i>
	Room 8/9	Preventing transmission of sexually transmitted infections
14:00 - 14:30		Whole genome sequencing of <i>Neisseria gonorrhoeae</i> and its use to monitor the spread of antibiotic resistant strains <i>Michelle Cole (UK)</i>
14:30 - 14:45		Diagnosing acute HIV infections in the light of the ending HIV-1 era <i>Maike Dijkstra</i>
14:45 - 15:00		First results of the Dutch Femcure trial: transmission of genital and extragenital <i>Chlamydia trachomatis</i> <i>Lisanne Eppings</i>
15:00 - 15:15		Vaccine effectiveness of the bivalent HPV vaccine against type specific HPV positivity, up to 6 years after introduction of HPV in the national vaccination program <i>Petra Woestenberg</i>
15:15 - 15:30		Rising transmitted HIV drug resistance forces abandonment of WHO recommended first line therapy in Aruba <i>Marije Hofstra</i>
15:30 - 16:00		Coffee/tea break

16:00 - 17:30		PARALLEL SESSIONS	
	Athene B	Population genomics and evolution of bacterial pathogens	
16:00 - 16:30		Identification of epistatic interactions between mutations in bacterial genomes	<i>Jukka Corander (Norway)</i>
16:30 - 17:00		Structure, evolution and transmission of <i>Enterococcus faecium</i> populations	<i>Rob Willems</i>
17:00 - 17:15		<i>Enterococcus faecium</i> genome dynamics during long-term patient gut colonization	<i>Jery Baan</i>
17:15 - 17:30		Population analysis of <i>Streptococcus suis</i> serotype 9 circulating on farms in the Netherlands reveals invasive isolates can be attributed to a single clonal expansion	<i>Niels Willemse</i>
	Athene C	Antibiotic resistance in global health; doing it the Dutch way	
16:00 - 16:30		Challenges of Global Antimicrobial Resistance and my Dutch backpack	<i>Marc Sprenger (Switzerland)</i>
16:30 - 16:45		Genome sequencing in low resource settings to track AMR	<i>Hajo Grundmann</i>
16:45 - 17:00		Infection Prevention and Control in low resource settings.	<i>Joost Hopman</i>
17:00 - 17:15		Microbiome and resistome in people from antibiotic resistance 'rich' countries	<i>John Penders</i>
17:15 - 17:30		Infection control and AMR at a tertiary referral centre in The Gambia	<i>Guido Bastiaens</i>
	Sydney	Congenital and neurological complications of viral infections, from Zika to Usutu	
16:00 - 16:30		Consequences of congenital CMV infection in the Netherlands	<i>Marjolein Korndewal</i>
16:30 - 16:45		Miscarriage associated with Zika virus infection	<i>Annemiek van der Eijk</i>
16:45 - 17:00		The emergence of Usutu virus in the Netherlands: implications for human health	<i>Chantal Reusken</i>
17:00 - 17:15		Guillain-Barré syndrome during an outbreak of Zika virus in Bangladesh : a case-control study	<i>Corine Geurts van Kessel</i>
17:15 - 17:30		Zika virus outbreak: Implications for routine dengue virus serology in returning travelers	<i>Maurits van Meer</i>
	Room 4/5	Environmental & applied microbiology	
16:00 - 16:15		Branchial nitrogen cycle symbionts relieve ammonium stress in fish	<i>Maartje van Kessel</i>
16:15 - 16:30		The impact of elevated nitrogen on greenhouse gas emissions by the <i>Juncus acutiflorus</i> rhizosphere microbiota	<i>Eric Hester</i>
16:30 - 16:45		N-acetylglucosamine affects antagonistic interactions between tomato xylem endophytes	<i>Reindert Nijland</i>
16:45 - 17:00		Creating a palette of mycelium materials	<i>Pauline Krijgsheld</i>
17:00 - 17:15		Clinical resistance genes in environmental metagenomes	<i>Joris Albers</i>
17:15 - 17:30		Impact of plant domestication on rhizosphere microbiome assembly	<i>Jos Raaijmakers</i>
	Room 6/7	'Big Data' in our education	
16:00 - 16:30		Big Data': What do we need to teach?	<i>Alex Friedrich</i>
16:30 - 17:00		Examples of teaching Big Data	<i>prof.dr. Hauke Smidt</i>
17:00 - 17:15		Big Data in Bioinformatics Education: Big Deal or Big Bother?	<i>Martijn Herber</i>
17:15 - 17:30		Mind the gap: including Big Data in biomedical professional education	<i>Maria Plug</i>
	Room 8/9	How to get novel antibiotics?	
16:00 - 16:30		Modified peptides as scaffolds for new antibiotic development	<i>Oscar Kuipers</i>
16:30 - 17:00		Harnessing plant-actinomycete interactions for the discovery of new antimicrobials	<i>Anne van der Meij</i>
17:00 - 17:15		Semi-synthetic lipopeptide antibiotics with activity against drug-resistant bacteria	<i>Nathaniel Martin</i>
17:15 - 17:30		Host strain engineering of <i>Penicillium</i> for antibiotics production	<i>Carsten Pohl</i>
17:30 - 18:30	Exhibition	<i>Drinks</i>	
18:30 - 20:30	Restaurant	<i>Dinner</i>	
20:30 - 22:15	Sydney	POSTER SESSION & POSTER AWARD CEREMONY	
20:30 - 21:15		Poster session - Even poster numbers	
21:15 - 22:00		Poster session - Odd poster numbers	
22:00 - 22:15		Poster award ceremony	
22:15 - 01:30	Sydney	Party	