

## Wednesday 27 March 2019

<b>Exhibition hall</b>	
<b>08:30 - 09:00</b>	<b>Registration &amp; coffee/tea</b>

<b>09:00 - 10:30</b>	<b>PLENARY SESSION</b>
<b>Athene B/C</b>	<i>Chairs: Nina van Sorge &amp; Wilbert Bitter</i>
09:00 - 09:35	O105 <b>CRISPR/Cas9 and gene editing for the elimination of persistent viral infections</b> Keith Jerome
09:35 - 10:10	O106 <b>How to tackle the most successful pathogen on earth</b> Stefan Kaufmann
10:10 - 10:30	<b>Westerdijk &amp; Van Leeuwenhoek Award ceremony</b> <b>General microbiology - Novel genetic parts and cultivation strategies for yeast-based conversion of lignocellulosic feedstocks</b> Maarten Verhoeven <b>Clinical microbiology - Risk factors and transmission of healthcare-related pathogens</b> Anne Voor in 't Holt <b>Host-pathogen interaction - Immune evasion by Staphylococcus aureus: expanding the repertoire</b> Nienke de Jong <b>Van Leeuwenhoek Award</b> <i>Salmonella</i> persists undermine host immune defenses during antibiotic treatment Daphne Stapels

<b>Exhibition hall</b>	
<b>10:30 - 11:15</b>	<b>Coffee/tea break</b>

<b>11:15 - 12:45</b>	<b>PARALLEL SESSIONS</b>
----------------------	--------------------------

<b>Athene C</b>	<b>Clinical microbiology</b>
	<i>Chairs: Jaco Verwey &amp; Karin Gast</i>
11:15 - 11:30	O032 <b>Results from the IBESS study: comparison of infection risks, severity of disease and human-to-human transmission of infections with Shigella spp. and EIEC</b> Maaïke Van den Beld
11:30 - 11:45	O033 <b>Culture-free genotyping of Neisseria gonorrhoeae revealed distinct strains at different anatomical sites in a quarter of patients</b> Brian Van der Veer
11:45 - 12:00	O034 <b>Import of Brucella canis positive dogs into the Netherlands – implications for animal and human health</b> Els Broens
12:00 - 12:15	O035 <b>Nontuberculous mycobacterial pulmonary disease and Aspergillus co-infection: Bonnie and Clyde?</b> Jakko van Ingen
12:15 - 12:30	O036 <b>Diagnostic blood PCR and metagenomics in community acquired pneumonia</b> Amelieke Cremers
12:30 - 12:45	O037 <b>Parainfluenzavirus infections in lung transplant recipients; from bench to bedside</b> Annelies Riezebos-Brilman

<b>Athene B</b>	<b>Antimicrobial resistance in the Dutch-Belgian cross-border region: the i-4-1-Health project</b>
	<i>Chair: Susan Pas</i>
11:15 - 11:45	O107 <b>Antimicrobial resistance in humans: prevalence and spread</b> Jan Kluytmans
11:45 - 12:15	O108 <b>Reducing antimicrobial use and its effect on AMR in livestock in the Dutch-Belgian cross-border region: the i-4-1-Health project</b> Arjan Stegeman
12:15 - 12:30	O109 <b>Infection Risk Scan (IRIS) app</b> Ina Willemsen
12:30 - 12:45	O110 <b>Whole Genome Sequencing (WGS) web-tool for track and trace of antimicrobial resistance</b> Lieke van Alphen

<b>Sydney</b>		<b>The changing tree of life in the era of metagenomics</b> <i>Chairs: Cornelia Welte &amp; Anja Spanq</i>
11:15 - 11:45	O111	<b>Where do eukaryotes go in the tree of life?</b> Tom Williams
11:45 - 12:00	O112	<b>Assigning new sulfate reduction and alcohol cycling roles across the microbial tree of life</b> Paula Dalcin Martins
12:00 - 12:15	O113	<b>Ultra-small archaea – a diverse and deep-branching archaeal lineage?</b> Nina Dombrowski
12:15 - 12:30	O114	<b>Unravelling the ecophysiological dynamics of core human intestinal bacteria in a defined consortium</b> Sudarshan Shetty
12:30 - 12:45	O115	<b>Next-level metagenomics: strategies for resolving high-quality genomes by harnessing the power of long-read sequencing data</b> Jeroen Frank

<b>Room 4/5</b>		<b>Environmental microbiology</b> <i>Chair: Laura Valk &amp; Guus Roeseler</i>
11:15 - 11:30	O038	<b>Benzene degradation under anoxic conditions by a nitrate-reducing bacterium that lacks anaerobic hydrocarbon degradation pathways</b> Siavash Atashgahi
11:30 - 11:45	O039	<b>Complexome analysis of the nitrite-dependent methanotroph <i>Methylomirabilis lanthanidiphila</i></b> Wouter Versantvoort
11:45 - 12:00	O040	<b>Enrichment and physiological characterization of a novel comammox <i>Nitrospira</i></b> Dimitra Sakoula
12:00 - 12:15	O041	<b>Nitrogen removal pathways in enhanced simultaneous nitrification and denitrification</b> Yu Xiang
12:15 - 12:30	O042	<b>Bio-methanol production by the methanotrophic extremophile <i>Methylacidiphilum fumarolicum</i> SolV</b> Carmen Hogendoorn
12:30 - 12:45	O043	<b>Degradation of methoxylated aromatic compounds by a methanogenic archaeon: Unravelling central metabolism of <i>Methermicoccus shengliensis</i></b> Julia Kurth

<b>Room 6/7</b>		<b>Host-Microbe interaction</b> <i>Chair: Stanley Brul</i>
11:15 - 11:45	O116	<b>Organoid culture systems to study host-microbe interactions</b> Jerry Wells
11:45 - 12:00	O117	<b>Th17 development in man and its relevance to Candida in Inflammatory Bowel Syndrome</b> Esther de Jong
12:00 - 12:15	O118	<b>The role of the plasmids and the microbiome in antimicrobial resistance in <i>C. difficile</i></b> Wiep Klaas Smits
12:15 - 12:30	O119	<b>The human skin mycobiome and its major player <i>Malassezia</i></b> Bart Theelen
12:30 - 12:45	O044	<b>A human organoid model to study <i>S. suis</i> intestinal translocation</b> Thomas Roodsant
12:45 - 13:45		<b>BBC-MMO Business Meeting - lunch included</b>

<b>Room 8/9</b>		<b>BaMa</b> <i>Chairs: Martine Reij &amp; Girbe Buist</i>
11:15 - 11:30	BaMa-001	<b>Enrichment of novel comammox <i>Nitrospira</i> from a Dutch drinking water treatment plant</b> Liena Sarkis
11:30 - 11:45	BaMa-002	<b>Uptake of sialic acid by non-typeable <i>Haemophilus influenzae</i> increases complement resistance through decreasing IgM-dependent complement activation</b> Marjolein Oerlemans
11:45 - 12:00	BaMa-003	<b>A love and hate relationship: Nitrogen removal by a co-culture of comammox and anammox bacteria</b> Maider Echeveste
12:00 - 12:15	BaMa-004	<b>Differential expression of nutrient transporters in the compartmentalized anammox bacterium <i>Kuenenia stuttgartiensis</i></b> Daan De Bruyckere
12:15 - 12:30	BaMa-005	<b>The optimization of the in vitro cultivation of four strains of <i>Plasmodium falciparum</i> from ring stage to sporozoite</b> Amke Hackmann
12:30 - 13:00	BaMa	<b>BaMa-Poster pitches</b>

<b>Exhibition hall</b> <b>12:45 - 14:00</b>	<b>Lunch</b>
--	--------------

<b>Athene C</b>	<b>Clinical cases in medical microbiology: an interactive session (WAMM, NWKV, NVP, NVMy)</b>
14:00 - 15:30	Chair: Harold Thiesbrummel Moderator: Corine Geurts-van Kessel Moderator: Paul Verweij Moderator: Ed Kuijper Moderator: Jaap van Hellemond
14:10 - 14:30	O132 <b>An 'unexpected' souvenir</b> Femme Harinck
14:30 - 14:50	O133 <b>Her headache gives me a headache</b> Mirjam Dautzenberg
14:50 - 15:10	O134 <b>Mixed infections</b> Alieke van der Hoeven
15.10 - 15.30	<b>Itch and eosinophilia, just bad luck?</b> Myrte Tielemans

<b>Athene B</b>	<b>IVD Regulation and Terminology Standards - Challenges and Opportunities for Medical Microbiology labs (32 &amp; 40)</b>
14:00 - 14:15	O120 <i>Chairs: Richard Molenkamp &amp; Robert Stegwee</i> <b>The European Regulation on In Vitro Diagnostic Medical Devices (IVDR) IGJ point of view</b> Kees Maquelin
14:15 - 14:30	O121 <b>UMC-Utrecht: Consequences of the IVDR for medical microbiological laboratories</b> Annemarie van 't Veen
14:30 - 14:45	O122 <b>Discussion</b> Richard Molenkamp
14:45 - 15:00	O123 <b>The Dutch Labcode Set for AMR – what is it and how to implement it</b> Roel Streefkerk
15:00 - 15:15	O124 <b>RIVM: Surveillance, Lab2lab and research - application of the Dutch Labcode Set for AM</b> Robert Stegwee
15:15 - 15:30	O125 <b>Discussion</b> Robert Stegwee

<b>Sydney</b>	<b>General microbiology</b>
14:00 - 14:15	O045 <i>Chair: Wilbert Bitter</i> <b>The highly dynamic phospholipidome of C.jejuni</b> Xuefeng Cao
14:15 - 14:30	O046 <b>Bacteroides fragilis is more prevalent in Crohn's disease exacerbations while strengthening the intestinal epithelial barrier in a strain-dependent manner</b> Heike Becker
14:30 - 14:45	O047 <b>Aroma formation by lactic acid bacteria at near-zero growth rates</b> Oscar van Mastrigt
14:45 - 15:00	O048 <b>Bacterial spore germination; molecular mechanisms and germination inhibitors</b> Juan Wen
15:00 - 15:15	O049 <b>Proteomes of cells and spores of an IPTG-inducible kinA strain of Bacillus subtilis versus wild-type</b> Zhiwei Tu
15:15 - 15:30	O050 <b>Essential? Maybe not. FtsZ-less cell division in Planctomycete bacteria</b> Stijn Peeters

<b>Room 4/5</b>	<b>Vector vaccines, from design to clinic</b>
14:00 - 14:30	O126 <i>Chair: Dimitri Diavatopoulos</i> <b>Cellular immune responses induced by vaccinia virus-based vector vaccines</b> Arwen Altenburg
14:30 - 15:00	O127 <b>An alphavirus replicon-based cancer vaccine; from bench to bedside</b> Toos Daemen
15:00 - 15:15	O128 <b>Flavivirus versus alphavirus replicon vaccines</b> Gorben Pijlman
15:15 - 15:30	O129 <b>Successes and challenges of DNA vaccination of fish</b> Maria Forlenza

<b>Room 6/7</b>		<b>Microbes up close: subcellular microbiology and single-molecule techniques (3 &amp; 30)</b> <i>Chairs: Nina van Sorge &amp; Taco Kooij, Laura van Niftrik</i>
14:00 - 14:30	O130	<b>Viral assembly and mechanics scrutinized at the single particle level</b> Wouter Roos
14:30 - 15:00	O131	<b>Mitochondrial DNA maintenance in trypanosomes: a complex story</b> Torsten Ochsenreiter
15:00 - 15:15	O051	<b>Localization of bacterioferritin and encapsulin nanoparticles in the compartmentalized anammox bacterium <i>Kuenenia stuttgartiensis</i></b> Marjan Smeulders
15:15 - 15:30	O052	<b>Molecular insights into the killing of <i>E. coli</i> by Membrane Attack Complex pores</b> Dennis Doorduyn

<b>Room 8/9</b>		<b>BaMa</b> <i>Chairs: Bas Zaat &amp; Anne Loonen</i>
14:00 - 14:15	BaMa-006	<b>Collateral Sensitivity Network of Antibiotic-Resistant <i>Streptococcus pneumoniae</i></b> Irene Hoogendijk
14:15 - 14:30	BaMa-007	<b>The effect of the CO:H<sub>2</sub> ratio on the ethanol flux in a co-culture of <i>Clostridium kluyveri</i> and <i>Clostridium autoethanogenum</i></b> Marten Gelderloos
14:30 - 14:45	BaMa-008	<b>Interlaboratory comparison of the Oxford Nanopore's MinION® Sequencing Device for Microbial WGS Applications</b> Marco Ivens
14:45 - 15:00	BaMa-009	<b>iGEM Team Groningen 2018</b> Noa Leijdesdorff & Rianne Prins
<b>Foyer in front of room 8/9</b>		
15:00 - 16:00		<b>BaMa-Poster session - coffee/tea included</b>

<b>Exhibition hall</b>		
<b>15:30 - 16:00</b>		<b>Coffee/tea break</b>

<b>Foyer in front of room 8/9</b>		
<b>15:30 - 16:15</b>		<b>BaMa Poster session</b>

<b>Athene C</b>		
<b>16:00 - 18:00</b>		<b>NVMM Business meeting</b>