

<b>Exhibition hall</b>
<b>08:30 - 09:00</b>
<b>09:00 - 10:30</b>
<b>Athene B/C</b>
09:00 - 09:35
09:35 - 10:10
10:10 - 10:30

<b>Exhibition hall</b>
<b>10:30 - 11:15</b>
<b>11:15 - 12:45</b>

<b>Athene C</b>
11:15 - 11:30
11:30 - 11:45
11:45 - 12:00
12:00 - 12:15
12:15 - 12:30
12:30 - 12:45

<b>Athene B</b>
11:15 - 11:45
11:45 - 12:15
12:15 - 12:30
12:30 - 12:45

<b>Sydney</b>
11:15 - 11:45
11:45 - 12:00
12:00 - 12:15
12:15 - 12:30
12:30 - 12:45

<b>Room 4/5</b>
11:15 - 11:30
11:30 - 11:45
11:45 - 12:00
12:00 - 12:15
12:15 - 12:30
12:30 - 12:45

<b>Room 6/7</b>
11:15 - 11:45
11:45 - 12:00
12:00 - 12:15
12:15 - 12:30
12:30 - 12:45
12:45 - 13:45

Room 8/9	
11:15 - 11:30	BaMa-001
11:30 - 11:45	BaMa-002
11:45 - 12:00	BaMa-003
12:00 - 12:15	BaMa-004
12:15 - 12:30	BaMa-005
12:30 - 12:45	BaMa-006

*Exhibition hall*  
**12:45 - 14:00**

Athene C	
14:00 - 15:30	
14:10 - 14:30	
14:30 - 14.50	
14:50 - 15.10	
15.10 - 15.30	

Athene B	
14:00 - 14:15	
14:15 - 14:30	
14:30 - 14:45	
14:45 - 15:00	
15:00 - 15:15	
15:15 - 15:30	

Sydney	
14:00 - 14:15	
14:15 - 14:30	
14:30 - 14:45	
14:45 - 15:00	
15:00 - 15:15	
15:15 - 15:30	

Room 4/5	
14:00 - 14:30	
14:30 - 15:00	
15:00 - 15:15	
15:15 - 15:30	

Room 6/7	
14:00 - 14:30	
14:30 - 15:00	
15:00 - 15:15	

15:15 - 15:30

**Room 8/9**

14:00 - 14:15

14:15 - 14:30

14:30 - 14:45

14:45 - 15:00

15:00 - 15:30

***Exhibition hall***

***15:30 - 16:00***

**Foyer in front of room 8/9**

**15:30 - 16:15**

**Athene C**

**16:00 - 18:00**

## **Registration & coffee/tea**

### **PLENARY SESSION**

*Chair: Nina van Sorge*

*Chair: Wilbert Bitter*

**CRISPR/Cas9 and gene editing for the elimination of persistent viral infections**

Keith Jerome

Stefan Kaufmann

**Westerdijk & Van Leeuwenhoek Award ceremony**

to be announced

**Van Leeuwenhoek Award ceremony**

*Salmonella* persists undermine host immune defenses during antibiotic treatment

Daphne Stapels

## **Coffee/tea break**

### **PARALLEL SESSIONS**

#### **Clinical microbiology**

*Chairs: Jaco Verwey & Karin Gast*

**Results from the IBESS study: comparison of infection risks, severity of disease and human-to-human transmission of infections with Shigella spp. and EIEC**

Maaïke Van den Beld

**Culture-free genotyping of Neisseria gonorrhoeae revealed distinct strains at different anatomical sites in a quarter of patients**

Brian Van der Veer

**Import of Brucella canis positive dogs into the Netherlands – implications for animal and human health**

Els Broens

**Nontuberculous mycobacterial pulmonary disease and Aspergillus co-infection: Bonnie and Clyde?**

Jakko van Ingen

**Diagnostic blood PCR and metagenomics in community acquired pneumonia**

Amelieke Cremers

**Parainfluenzavirus infections in lung transplant recipients; from bench to bedside**

Annelies Riezebos-Brilman

**Antimicrobial resistance in the Dutch-Belgian cross-border region: the i-4-1-Health project**

*Chair: to be announced*

**Antimicrobial resistance in humans: prevalence and spread**

Jan Kluytmans

**Antimicrobial resistance in pigs and poultry: prevalence and spread**

Arjan Stegeman

**Infection Risk Scan (IRIS) app**

Ina Willemsen

**Whole Genome Sequencing (WGS) web-tool for track and trace of antimicrobial resistance**

Lieke van Alphen

**The changing tree of life in the era of metagenomics**

*Chairs: Cornelia Welte & Anja Spana*

**Where do eukaryotes go in the tree of life?**

Tom Williams - EUROPESE SPREKER

**Assigning new sulfate reduction and alcohol cycling roles across the microbial tree of life**

Paula Dalcin Martins

**Ultra-small archaea – a diverse and deep-branching archaeal lineage?**

Nina Dombrowski

**Unravelling the ecophysiological dynamics of core human intestinal bacteria in a defined consortium**

Sudarshan Shetty

**Next-level metagenomics: strategies for resolving high-quality genomes by harnessing the power of long-read sequencing data**

Jeroen Frank

#### **Environmental microbiology**

*Chair: Guus Roeseler*

**Benzene degradation under anoxic conditions by a nitrate-reducing bacterium that lacks anaerobic hydrocarbon degradation pathways**

Siavash Atashgahi

**Complexome analysis of the nitrite-dependent methanotroph Methyloirabidilis lanthanidiphila**

Wouter Versantvoort

**Enrichment and physiological characterization of a novel comammox Nitrospira**

Dimitra Sakoula

**Nitrogen removal pathways in enhanced simultaneous nitrification and denitrification**

Yu Xiang

**Bio-methanol production by the methanotrophic extremophile Methyloacidiphilum fumariolicum SolV**

Carmen Hogendoorn

**Degradation of methoxylated aromatic compounds by a methanogenic archaeon: Unravelling central metabolism of Methermicoccus shengliensis**

Julia Kurth

#### **Host-Microbe interaction**

*Chair: Stanley Brul*

**Organoid culture systems to study host-microbe interactions**

Jerry Wells

**Th17 development in man and its relevance to Candida in Inflammatory Bowel Syndrome**

Esther de Jong

**The role of the plasmids and the microbiome in antimicrobial resistance in *C. difficile*.**

Wiep Klaas Smits

**The human skin mycobiome and its major player Malassezia**

Bart Theelen

**A human organoid model to study *S. suis* intestinal translocation**

Thomas Roodsant

**BBC-MMO Business Meeting**

to be announced

## Clinical cases in medical microbiology: an interactive session (WAMM, NWKV, NVP, NVMv)

### An 'unexpected' souvenir

Myrte Tielemans

Robert Stegwee

### Essential? M

Maria Forlenza

Localization of bacterioferritin and encapsulin nanoparticles in the compartmentalized anammox bacterium *Kuenenia stuttgartiensis*

Laura Claret Fernández  
Molecular insights into the killing of E. coli by Membrane Attack Complex pores  
Dennis Doorduyn

BaMa  
to be announced

Coffee/tea break

BaMa Poster session

NVMM Business meeting