



## ICOHAR International Conference on One Health Antimicrobial Resistance



## ICOHAR 2019

16-18 April 2019, Utrecht, Netherlands

It is generally recognized that control and prevention of antimicrobial resistance (AMR) requires a holistic One Health approach involving specialists from different sectors. In line with this concept, the 2nd ICOHAR aims at bringing together representatives from all relevant sectors (e.g. public health, human and veterinary medicine, livestock production, food safety and environmental sciences) to share research and education strategies for understanding and reducing the risks of AMR at the interface between humans, animals and the environment.

The programme does not only focus on zoonotic transfer of AMR but also on the numerous AMR-related challenges shared by clinicians, clinical microbiologists, infectious disease specialists and researchers working in these sectors.

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# Program

■ Plenary session
 ■ Stream on AMR transfer
 ■ Stream on solutions to AMR



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## Day 1 - April 16

14.00-17.00	<b>Registration</b>
17.00-17.15	<b>Welcome speech</b> by the Organizing Committee
17.15-17.45	<b>Opening keynote lecture</b> by Marc Sprenger (World Health Organization): The fight against Global AMR: One Health Plus support pivotal!
17.45-19.00	<b>Welcome reception</b>

## Day 2 - April 17

8.30-9.00	<b>Keynote lecture</b> by Jaap Wagenaar (NL): One Health in antimicrobial resistance: who should care?	
9.00-9.45	<b>One health integrated surveillance</b> (organized by ESGARS). Speakers: Luis Martinez-Martinez (ES) and Frank Møller Aarestrup (DK)	<b>New approaches for precision antimicrobial therapy</b> (organized by EPASG). Speakers: Leonardo Pagani (I) and Pierre-Louis Toutain (F)
9.45-10.30	<b>MDR in Mycobacteria and Mycoplasma of human and animal origin</b> (organized by ESGMYC and ESGMI). Speakers: Miguel Viveiros (P) and Sabine Pereyre (F)	<b>The use of animal models for assessing antimicrobial impact on the gut microbiome</b> (organized by ESGVM and ESGHAMI). Speakers: Hauke Smidt (NL) and Luis Pedro Coelho (ROC)
10.30-11.00	<b>Coffee break</b>	
11.00-11.30	<b>Invited lecture</b> by Lloyd Reeve-Johnson (AUS): The economic drivers for One Health approaches and predictive modelling approaches to altering the usage patterns of antimicrobials in clinical practice	
11.30-12.15	<b>AMR in <i>Clostridium difficile</i> lineages shared by humans and animals</b> (organized by ESGCD). Maja Rupnik (SL) and Kate Dingle (UK)	<b>Education on responsible antibiotic use in European medical and veterinary universities</b> (organized by ESGAP). Speakers: Oliver Dyar (S) and Carmen Espinosa Gongora (DK)
12.15-13.00	<b>Zoonotic transfer of AMR: the case of <i>E. coli</i></b> (organized by ESGMD). Speakers: John WA Rossen (NL) and Nicola Segata (IT)	<b>The impact of vaccination programmes on reduction of antimicrobial use</b> (organized by EVASG). Speakers: Gaetan Gavazzi (F) and Anders Miki Bojesen (DK)
13.00-14.00	<b>Lunch and poster viewing</b>	
14.00-14.30	<b>Invited lecture</b> by Willem van Schaik (UK): The complex dynamics of antimicrobial resistance and microbiomes	
14.30-15.15	<b>The role of the environment in the spread of AMR</b> (organized by EFWISG). Speakers: Luísa Vieira Peixe (P) and Johan Bengtsson-Palme (S)	<b>Nosocomial infections: a One Health perspective</b> (Organized by ESGNI). Laurent Poirel (CH) and Dorina Timofte (UK).
15.15-16.00	<b>One Health issues related to AMR in staphylococci</b> (organized by ESGS). Speakers: Francois Vandenesch (F) and Anette Loeffler (UK)	<b>Management of critically ill patients</b> (organized by ESGCIP). Speakers: Jordi Rello (ES) and Joris Robben (NL)
16.00-16.45	<b>Coffee break with poster viewing</b>	
16.45-17.15	<b>Roundtable discussion</b> on the lessons learned from emerging resistances in the past (e.g. VRE, ESBL, MRSA, carbapenem and colistin resistance). Chairman: Patrick Butaye (B/SKN)	
17.15-18.00	<b>Invited lecture</b> by Joseph Blondeau (CA) and Michael Lappin (USA): Antimicrobial use guidelines for urinary and respiratory tract infections in human and veterinary medicine: a One Health perspective	
18.00-18.30	<b>Keynote lecture</b> by Paul Flowers (UK): Antimicrobial resistance: a biopsychosocial problem requiring innovative interdisciplinary and imaginative interventions	
18.30-19.30	<b>Programme break</b>	
19.30-22.00	<b>Social dinner</b>	

## Program (continued)

### Day 3 - April 18

8.30-9.00	<b>Keynote lecture</b> by Alex Van Belkum (F): Sensitive pathogen detection and rapid AST in the One Health future
9.00-9.30	Invited lecture by Amir Seyedmousavi (International Society for Human and Animal Mycology): Antifungal use in veterinary practice and emergence of resistance.
9.30-10.00	Invited lecture by John Turnidge (European Committee on Antimicrobial Susceptibility Testing): CBPs, ECOFFs, Intermediate, and all that jazz
10.00-10.30	Roundtable discussion on the future of antimicrobial susceptibility testing. Chairman: Luca Guardabassi (DK)
10.30-11.00	<b>Coffee break</b>
11.00-11.30	Invited lecture by Liza Rosenbaum Nielsen (DK): What can we learn from One Health evaluation of interdisciplinary AMR research projects?
11.30-12.15	Presentations from selected abstracts
12.15-12.45	<b>Closing keynote lecture</b> by David Gally (UK): Alternatives to conventional antimicrobial agents: present and future
12.45-13.00	<b>Closing remarks</b> by Organizing Committee
13.00-13.30	<b>Lunch package &amp; refreshments</b>

**ICOHAR 2019** is supported by the European Society for Clinical Microbiology and Infectious Diseases (ESCMID) and organized by the ESCMID Study Group for Veterinary Microbiology (ESGVM). As part of its mission, ESGVM promotes One Health by facilitating joint research and training collaborations between medical and veterinary microbiologists within areas of common interests, namely zoonoses and antimicrobial resistance. The event is organized in collaboration with other organizations:

- ESCMID Study Group for Host and Microbiota Interactions (ESGHAMI)
- Department of Veterinary and Animal Sciences of the University of Copenhagen
- The European Association of Veterinary Pharmacology and Toxicology (EAVPT)
- Edinburgh Infectious Diseases (EID)
- Netherlands Center for One Health
- The World Small Animal Veterinary Association (WSAVA)

### Sponsors



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### Partners



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Leading infectious disease research and training



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## The ICOHAR Organizing Committee:

**Prof. Luca GUARDABASSI** (ESGVM)  
University of Copenhagen (DK) and Royal  
Veterinary College (UK)

**Prof. Patrick BUTAYE** (ESGVM)  
Ross University School of Veterinary Medicine  
(SKN) & Ghent University (B)

**Prof. Johanna FINK-GREMMELS**  
(NCOH and EAVPT)  
Utrecht University (NL)

**Prof. Ed J. KUIJPER** (ESGHAMI and NCOH)  
Leiden University Medical Center (NL)

## The ICOHAR Scientific Committee:

**David DOCKRELL** (chair)  
Edinburgh Infectious Diseases, Roslin  
Institute (UK)

**Ross FITZGERALD** (vice-chair)  
Edinburgh Infectious Diseases, University of  
Edinburgh (UK)

**Patrick BUTAYE**, ESGVM (ESCMID Study  
Group for Veterinary Microbiology), Ghent  
University (B) and Ross University School of  
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**Ed J. KUIJPER**, ESGHAMI (ESCMID Study  
Group for Host and Microbiota Interaction),  
Leiden University Medical Center (NL)

**Matteo BASSETTI**, ESGCIP (ESCMID Study  
Group for Critically Ill Patients), University  
of Udine and Santa Maria Misericordia  
University Hospital (I)

**David DOCKRELL**, EID (Edinburgh Infectious  
Diseases), University of Edinburgh (UK)

**John COIA**, ESGCD (ESCMID Study Group  
for Clostridioides difficile), University of  
Strathclyde (UK)

**Teresa COQUE**, EFWISG (ESCMID Food-  
and Water-borne Infections Study Group,  
EFWISG), Instituto Ramón y Cajal de  
Investigación Sanitaria (ES)

**Susanna ESPOSITO**, EVASG (ESCMID PK/PD  
of Anti-Infectives Study Group), Università  
degli Studi di Perugia (I)

**Ross FITZGERALD**, EID (Edinburgh Infectious  
Diseases), Roslin Institute (UK)

**Delia GOLETTI**, ESGMYC (ESCMID Study  
Group for Mycobacterial Infections), National  
Institute for Infectious Diseases (I)

**Jodi LINDSAY**, ESGS (ESCMID Study Group for  
Staphylococci and Staphylococcal Diseases),  
University of London (UK)

**Nir-Paz RAN**, ESGMI (ESCMID Study Group  
for Mycoplasma Infections), Hadassah  
Medical Center (IL)

**John WA ROSSEN**, ESGMD (ESCMID  
Study Group for Genomic and Molecular  
Diagnostics), University Medical Center  
Groningen (NL)

**Arjana TAMBIC**, ESGARS (ESCMID Study  
Group for Antimicrobial Resistance  
Surveillance), Zagreb University Hospital for  
Infectious Diseases (HR)

**Margreet C. VOS**, ESGNI (ESCMID Study  
Group for Nosocomial Infections), Erasmus  
Medical Center (NL)

**Marcus ZEITLINGER**, EPASG (ESCMID PK/  
PD of Anti-Infectives Study Group), Medical  
University of Vienna (AU)

### Dates

► 16-18 April 2019, immediately  
after 29th European Congress  
of Clinical Microbiology &  
Infectious Diseases (ECCMID)

### Venue

► Jaarbeurs MeetUp,  
Jaarbeursplein, Utrecht (NL)

### Abstract Submission

► Deadline for abstract  
submission is 21.12.2018

### Registration

Registration Category	Early Bird Fee until 30.01.2019	Late Fee from 31.12.2019
Young Fellow*	€ 275	€ 500
ESCMID Member**	€ 275	€ 500
Regular Delegate	€ 375	€ 500

\*For individuals 35 years of age or younger (copy of passport required)

\*\* For ESCMID Members only, membership status will be checked automatically



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[www.icohar2019.org](http://www.icohar2019.org)