



ONE HEALTH  
EJP ASM 2019

WEDNESDAY 22 <sup>ND</sup> MAY, 2019	
8.15am	Registration and poster set up
	<b>PLENARY SESSION 1: CONFERENCE HALL</b>
	<b>Chair:</b> Dr Geraldine Duffy, Teagasc, <i>OHEJP ASM 2019 conference chair.</i>
9.00am	Prof. Gerry Boyle, Director of Teagasc, <i>ASM 2019 Host and Irish OHEJP partner.</i>
9.15am	Mr Michael Creed, T.D. Irish Minister of Agriculture, Food and the Marine. <i>Irish OHEJP Programme Owner.</i>
9.30am	Ms Marita Kinsella, Director National Patient Safety Office, Department of Health, Ireland
9.40am	Prof. Lokesh Joshi, Vice President for Research, National University of Ireland Galway (NUIG). <i>ASM 2019 Co-Host and Irish OHEJP partner.</i>
9.50am	Dr Hein Imberechts, Sciensano, <i>Co-ordinator, One Health EJP.</i> <i>OHEJP overview and overview of OHEJP Joint Research Projects, Joint Research Activities and PhD Programme.</i>
10.30am	<b>Coffee break, Posters, Trade Exhibition</b>
	<b>PLENARY SESSION 2: CONFERENCE HALL</b>
	<b>Chair:</b> Dr Dearbháile Morris, NUIG, Ireland. <i>OHEJP ASM conference co-chair.</i>
11.00am	<b>Invited speaker:</b> Mr Stef Bronzwaer, European Food Safety Authority. <i>EFSA's One Health Approach in Assessing Biological Hazards in the EU.</i>
11.30am	<b>Invited speaker:</b> Dr Karin Johansson, European Centre of Disease Prevention and Control. <i>ECDC and One Health</i>
12.00pm	<b>Invited speaker:</b> Lord Jim O'Neill, Chatam House, UK. <i>Any real progress on AMR?</i>
12.30pm	<b>Invited speaker:</b> Prof. Arie Havelaar, Institute for Sustainable Food Systems, University of Florida. <i>The Global Public Health Significance of (Asymptomatic) Enteric Infections from Livestock Reservoirs</i>
1.00pm	<b>Lunch, Posters, Trade Exhibition</b>
	<b>PARALLEL SESSIONS</b>
	<b>Session 3: Foodborne Zoonoses Lecture Theatre</b>
	<b>Chair:</b> Dr Ed van Klink, Wageningen Bioveterinary Research, The Netherlands.
	<b>Session 4: Antimicrobial Resistance Conference Hall</b>
	<b>Chair:</b> Dr Karin Artursson, SVA, Sweden.
2.15pm	<b>Mia Torpdahl</b> , Sequencing <i>Salmonella</i> for Public Health Surveillance.
	<b>Brigid Hooban</b> , The AREST Project - Antimicrobial Resistance and the Environment – Sources, Persistence, Transmission and Risk Management



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2.30pm	<b>Vicente Lopez-Chavarrias</b> , Trends in Antimicrobial Resistance in <i>Campylobacter coli</i> from Broilers and Pigs in Spain from 2002 to 2015.	<b>Eelco Franz</b> , The EJP RaDAR project: Data Integration and Modelling Frameworks for Increased Quantitative Understanding of AMR Risk, Source Attribution and Burden.
2.45pm	<b>Eleonora Tassinari</b> , Genomic Epidemiology of <i>Salmonella</i> on Farms.	<b>Margaret O' Sullivan</b> , Ireland's First One Health Report on Antimicrobial Use and Antimicrobial Resistance.
3.00pm	<b>Kendy Tzu-yun Teng</b> , Notable Spatial Patterns in <i>Salmonella</i> -positive Pig Farms in Spain.	<b>Lurdes Clemente</b> , Antimicrobial Resistance in <i>Salmonella enterica</i> in Portugal: An Overview on Long-term Surveillance (2009-2017)
3.15pm	<b>Helen Brown</b> , Creation and characterisation of probiotic libraries for use to control zoonotic pathogens in pigs.	<b>Ana Hurtado</b> , Antimicrobial Resistance in <i>C. jejuni</i> and <i>C. coli</i> Isolated from Ruminants in Northern Spain: Comparison of Two Studies 10-Years Apart.
3.30pm	<b>Coffee Break, Posters, Trade Exhibition</b>	
	<b>PARALLEL SESSIONS</b>	
	<b>Session 5: Foodborne Zoonoses Lecture Theatre</b>	<b>Session 6: Antimicrobial Resistance Conference Hall</b>
	<b>Chair:</b> Dr Narelle Fegan, CSIRO Australia.	<b>Chair</b> Dr Kaye Burgess, Teagasc, Ireland
4.00pm	<b>Ides Boone</b> , Healthcare-Associated Foodborne Outbreaks in OECD Countries and a Special Focus on Germany: Current Status.	<b>Lorcan O'Neill</b> , Antimicrobial Use in Pig Production in Ireland.
4.15pm	<b>Annemieke Christine Mulder</b> , Busted! Foodborne Pathogens Revealing their Non-Foodborne Facet	<b>Nathaniel Storey</b> , AMR Persistence on a Pig Farm with Reduced Antimicrobial Usage.
4.30pm	<b>Maria Grazia Dente</b> Lessons Learned and Recommendations on One Health Surveillance Systems for Arbovirus Infections in the Mediterranean Region: the MediLabSecure Strategic Document.	<b>Teresa García-Seco Romero</b> , New Insights on <i>Clostridium perfringens</i> Epidemiology in Spanish Swine Populations: Toxicogenic and AMR profiles.
4.45pm	<b>Laurent Guillier</b> , First Assessment of the Genomic Diversity of a Large Collection of <i>Listeria monocytogenes</i> strains Isolated in EU Natural Environments.	<b>Francesca Martelli</b> , Whole Genome Sequencing Demonstrates that Rodents are a Reservoir of Antimicrobial Resistant <i>Escherichia coli</i> and <i>Salmonella</i> on Pig Farms.
5.00pm	<b>Lionel Kenneth Dygico</b> , A Study on the Survival of <i>Listeria monocytogenes</i> and the Impact of Biocontrol Agents in a Pilot-scale Mushroom Production Facility.	<b>Shun Wang</b> , Fate of Different Types of Carbapenemase-producing <i>Enterobacteriaceae</i> in Anaerobic Co-digestion of Food Waste and Pig Manure.



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5.15pm	<b>Bernardino Machado-Moreira</b> Application of Plasma Activated Water for Decontamination of Alfalfa and Mung Bean Seeds.	<b>Sarah Delaney</b> , Characterisation of Multi-drug Resistance Plasmids Isolated from the Caecum of Broiler Chickens by minION Sequencing.
5.30pm	<b>Barbecue Mixer Night</b>	
7.30pm	<b>Coaches Return to City Centre</b>	

THURSDAY 23 <sup>RD</sup> MAY 2019		
PARALLEL SESSIONS		
	Session 7: Foodborne Zoonoses Lecture Theatre	Session 8: Antimicrobial resistance Conference Hall
	<b>Chair:</b> Leonor Orge, INIAV, Portugal.	<b>Chair</b> Dr. Louise O'Connor, NUIG, Ireland.
9.00am	<b>Wim Van Der Poel</b> , Close Similarity of Hepatitis E Genotype 3 Sequences Between Humans and Local and Imported Pigs in Seven EU Countries, 2016.	<b>Luisa Andrade</b> , Global Assessment of the Occurrence of Antibiotic Resistant Bacteria in Groundwater Environments: A systematic review.
9.15am	<b>Chantal Snoeck</b> , Hepatitis E Virus and Antibody Prevalence in Pigs at Slaughter in Luxembourg.	<b>Niamh Cahill</b> , Carbapenemase Producing <i>Enterobacteriales</i> Isolated from Hospital Effluent and Municipal Wastewater in Ireland.
9.30am	<b>Agnetha Hofhuis</b> , Two Studies Show Association Between Hepatitis E and Dry Raw Pork Sausages in The Netherlands.	<b>Fiona Walsh</b> , Identification and Quantification of Antibiotic Resistant Bacteria & Genes in an Aquaculture Facility Which Uses a Novel Bioactive Filtering System.
10.00am	<b>Renate Hakze-van Der Honing</b> , Comparison of Hepatitis E Virus Sequences from Humans and Swine, the Netherlands, 2008-2015.	<b>Bláthnaid Mahon</b> , Detection of Carbapenemase-Producing <i>Enterobacteriales</i> and Extended-Spectrum $\beta$ -Lactamase-Producing <i>Enterobacteriales</i> in Irish Recreational Waters, 2016-2017.
10.15am	<b>Ewelina Bigoraj</b> , Detection of Hepatitis E Virus in Rabbits Entering the Food Chain.	<b>Thi Thuy Do</b> , Occurrence of Extended-spectrum $\beta$ -lactamase (ESBL)/AmpC Producing Bacteria in Wastewater Treatment Plant Effluent.
10.30am	<b>Clare Hamilton</b> , Detection of <i>Toxoplasma gondii</i> in Commercially Available Meat Samples in Scotland.	<b>Bruno S.J. Phiri</b> , Detection and Characterization of <i>Staphylococcus aureus</i> Associated with the Dairy Food Chain in Western, Southern and Lusaka Provinces of Zambia.
10.45am	<b>Coffee Break, Posters, Trade Exhibition</b>	



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PARALLEL SESSIONS		
	Session 9: Foodborne Zoonoses Conference Hall	Session 10: Antimicrobial resistance Lecture Theatre
	<b>Chair</b> Dr. Lucia Rivas, ESR, New Zealand.	<b>Chair:</b> Dr Dearbháile Morris, NUIG, Ireland.
<b>11.15am</b>	<b>Eva M. Nielsen</b> , Stability Over Time of Multi-locus Sequence Types of <i>Campylobacter jejuni</i> in Patients, Food and Animals.	<b>Agnieszka Pekala-Safinska</b> , Establishing Interpretation Criteria for Antimicrobials Used in Farmed Fish – the Background of the Problem
<b>11.30am</b>	<b>Lois O'Connor</b> . Epidemiology of Human <i>Campylobacter</i> Infection in Ireland 2004-2016: What has changed?	<b>Mario Latini</b> , The Role of Clams as Indicators of the Spread of Antimicrobial Resistant Micro-organisms in Aquatic Environment.
<b>11.45am</b>	<b>Carina Brehony</b> , Sentinel Surveillance and Genomic Characterisation of Human <i>Campylobacter</i> in Ireland, 2019.	<b>Marta López</b> , A First Approach to Identify Food Safety Emerging Hazards in Bivalve Shellfish by the Galician Food Safety Emerging Risks Network.
<b>12.00pm</b>	<b>Gro S. Johannessen</b> , A Multi-center Pilot Study of an Air Sampling Method for <i>Campylobacter</i> in Broiler Houses.	<b>Carla Rodrigues</b> , Genomic Diversity, Antimicrobial Resistance and Virulence of <i>Klebsiella pneumoniae</i> from Healthy Food-producing Animals and Horses.
<b>12.15pm</b>	<b>Declan Bolton</b> , Enhanced Biosecurity to Prevent <i>Campylobacter</i> Infection in Broilers.	<b>Jennifer Murphy</b> , Development of a Novel Antimicrobial for the Treatment of Bovine Mastitis.
<b>12.30pm</b>	<b>Anna M. Gamża</b> , Spatial Indirect Transmission of <i>Campylobacter</i> in Broilers is Possible Only Within a Certain Distance.	<b>Michaël Timmermans</b> , Monitoring the Spread of Critical Antimicrobial Resistance Determinants in Gram-Negative Bacteria with a Home-Made DNA Bead Array.
<b>12.45pm</b>	<b>Naomi Petty-Saphon</b> , An International Outbreak of Salmonellosis Associated with Travel to Medjugorje.	<b>Michael Brouwer</b> , Resistance to Colistin Is Decreasing in Livestock in The Netherlands; A Genetic Study Of Endangered Plasmids.
<b>1.00pm</b>	<b>Lunch, Posters, Trade Exhibition</b>	



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PARALLEL SESSIONS		
	Session 11 Foodborne Zoonoses Lecture Theatre	Session 12 Emerging threats Conference Hall
	<b>Chair</b> Dr. Geraldine Duffy, Teagasc, Ireland.	<b>Chair</b> Dr. Lasse Skafte Vestergaard Statens Serum Institut, Denmark.
<b>2.00pm</b>	<b>Stefania Lauzi</b> , Prevalence of Shiga Toxin-Producing <i>Escherichia coli</i> in Free-Ranging Red Deer from Italian Central Alps: a Two Seasons Survey.	<b>Martin Heinrich Richter</b> , Wildlife Monitoring Studies: Status Quo, Emerging and Re-emerging Zoonoses.
<b>2.15pm</b>	<b>Siobhán C. McCarthy</b> , An Investigation of the Shedding Dynamics of Shiga-toxigenic <i>Escherichia coli</i> including Super-shedding of O157 and O26 Serogroups in Irish Sheep.	<b>Anna Nagy</b> , Extraordinary Increase in the Number of West Nile Virus Cases and First Confirmed Human Usutu Virus Infection in Hungary, 2018.
<b>2.30pm</b>	<b>Rose Fitzgerald</b> , VTEC Outbreak Linked to Consumption of Cheese Made with Raw Milk.	<b>Myrna de Rooij</b> , Residential Exposures to Livestock-related Microbial Air Pollution: Spatiotemporal Variation of Airborne Concentrations and Associated Livestock-related Characteristics.
<b>2.45pm</b>	<b>Valeria Michelacci</b> , Development of a Web-based User-friendly Infrastructure for Real Time Genomic Surveillance of Shiga Toxin-producing <i>Escherichia coli</i> Infections.	<b>Pilar Pozo</b> , Genetic Diversity of a Prevalent <i>Mycobacterium bovis</i> Spoligotype at the Cattle-Wildlife Interface in Spain.
<b>3.00pm</b>	<b>Rosangela Tozzoli</b> , Characterization Of A Novel Plasmid Encoding F4-like Fimbriae Present In A Shiga-toxin Producing-Enterotoxigenic <i>Escherichia coli</i> Isolated In Italy.	<b>Victor HS Oliveira</b> , What Motivates and Prevents Swedish Veterinarians from Reporting Disease Suspicions?
<b>3.15pm</b>	<b>Guerrino Macori</b> , Development of Methods to Investigate the Cause of Shiga-toxigenic <i>E. coli</i> (STEC) PCR Positive and Culture Negative Results.	
<b>3.30pm</b>	<b>Coffee Break, Posters, Trade Exhibition</b>	



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	<b>Session 13: Foodborne Zoonoses Conference Hall</b>	<b>Session 14: Emerging threats Lecture Theatre</b>
	<b>Chair</b> Dr. Rosangela Tozzoli, Istituto Superiore di Sanità, Italy.	<b>Chair:</b> Dr. Hendrik-Jan Roest, Ministry of Agriculture, Nature and Food Quality, The Netherlands.
<b>4.00pm</b>	<b>Anne Carroll</b> , VTEC O26 vtx2 in Ireland, Genetic Relatedness Determined by WGS.	<b>Peter Stuart</b> , The Hidden Faces of a Biological Invasion: Parasite Dynamics of Invaders and Natives.
<b>4.15pm</b>	<b>Jennifer Gray</b> , Comparison of the Phenotypic Traits of <i>E. coli</i> O157 Isolates from Super Shedder and Low Shedder Cattle.	<b>Mathilde Uiterwijk</b> , Occurrence And Zoonotic Potential Of <i>Cryptosporidium</i> In Horses From The Netherlands.
<b>4.30pm</b>	<b>Tim Downing</b> , Assembly of <i>Escherichia coli</i> ST131 Genomes Using Long Reads Demonstrates Antibiotic Resistance Gene Variation Driven by Plasmids, Recombination and Transposition.	<b>Daniel Ekhlaz</b> , Microbial Indicators for Combined Sewer Overflow Pollution: New Insights by a Survey in An Urban River in Tokyo.
<b>4.45pm</b>	<b>Arun Decano</b> , The Origin, Evolution and Population Structure of 4,071 Globally Sampled <i>Escherichia coli</i> ST131 genomes.	<b>Eoin McGillicuddy</b> , The Development of a Capture Method for Silver Nanoparticles from the Aquatic Environment.
<b>5.00pm</b>	<b>Coaches to City Centre</b>	
<b>7.30pm</b>	<b>Conference Dinner and Irish Ceili at Mansion House</b>	

<b>FRIDAY 24<sup>TH</sup> MAY 2019</b>	
	<b>PLENARY SESSION 15: Conference Hall</b>
	<b>Chair:</b> Dr. Karin Artursson, SVA, Sweden
<b>9.00am</b>	<b>Invited Speaker:</b> Prof. Martin Cormican; NUIG. Is there "One Resistance"?
<b>9.30am</b>	<b>Integrated Activities</b>
<b>9.45 am</b>	<b>Octavio Mesa-varona</b> , Reviewing Antimicrobial Resistance and Drug Usage Surveillance and Monitoring Systems in the Human, Animal and Food Sector in European countries
<b>10.00am</b>	<b>Tasja Buschhardt</b> , The ORION Glossary - An Essential Tool to Support Cross-sectoral and Transdisciplinary Communication in One Health Surveillance.
<b>10.15am</b>	<b>Matthias Filter</b> , Virtual Research Environments (VRE): Supporting One Health Research Communities - the ORION Experience.
<b>10.30am</b>	<b>Umaer Naseer</b> , Managing and Analyzing NGS Data for Surveillance: a Hands-On Approach.
<b>10.45am</b>	<b>Catharina Maassen</b> , Dealing With (re) Emerging Zoonoses: A One Health Approach In The Netherlands.



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11.00am		Coffee Break, Posters, Trade Exhibition
PARALLEL SESSIONS		
	Session 16 Integrated Activities Conference Hall	Session 17 PhD Students: Flash presentations from posters (5 min each) Lecture Theatre
	<b>Chair:</b> Dr. Ann Lindberg SVA, Sweden.	<b>Chair:</b> Prof. Roberto La Ragione, University of Surrey.
<b>11.30am</b>	<b>Laurent Guillier</b> , Proposal of an Original Method for Selecting Strains to Include in Source Tracking or Source Attribution Based on their Metadata.	<b>Sandra Stelzer</b> , Risk Factors for <i>Toxoplasma gondii</i> Infection in Farm Animals: A Systematic Review.  <b>Brendha Truccollo</b> Changes in <i>Campylobacter jejuni</i> Growth and Virulence when Exposed to Epinephrine (EP) and Norepinephrine (NE) in Broth Culture.
<b>11.45am</b>	<b>Matthias Filter</b> , Words and their Context: Cross Domain Semantics in One Health.	<b>Monika Kurpas</b> Characterisation of <i>Listeria monocytogenes</i> Belonging to Serogroup IIb and IVb, Using Whole Genome Sequencing.
<b>12.00pm</b>	<b>Maria Grazia Dente</b> , Enhancing Preparedness for Arbovirus Infections with One Health: the Development and Implementation of Multisectoral Risk Assessment Exercises.	<b>Katharina Juraschek</b> Comparison of Plasmid-Mediated Quinolone Resistance in <i>Escherichia coli</i> Isolates from Livestock and Food in Germany.  <b>Natalie Pauly</b> , Characterization of the Phenotypic and Genotypic Properties of Carbapenemase-producing <i>Vibrio</i> spp. Isolates in Germany.  <b>Michaël Timmermans</b> , Project "LIN-RES": Molecular Basis, Origin, Transferability and Risk Factors Associated with Linezolid-Resistance in Gram-Positive Bacteria of Human and Animal Origin.  <b>Pilar Pozo Piñol</b> , Molecular Characterization of <i>Leishmania infantum</i> by PCR-RFLP using Polyacrylamide Gel Electrophoresis (PAGE) and Capillary Electrophoresis (CE) in Leporidae from Spain.  <b>Pedro Miguela-villoldo</b> , Use of Quantitative Real-time PCR for Testing Trends of the <i>mcr-1</i> Colistin-resistance Gene in Spanish Pig Caecal Content.



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		<b>Vincenzo Pennone</b> Reduction of <i>L. monocytogenes</i> by the Amidase Domain of the Phage vB_LmoS_293 Endolysin: <i>in-vitro</i> Studies.
<b>PLENARY SESSION 18. Conference Hall</b>		
<b>12.15 pm</b>	<b>Conference close and presentation of Science Foundation Ireland (SFI) PhD student awards for oral and poster presentations</b> Dr. Hein Imberechts, Sciensano, <i>Co-ordinator, One Health EJP</i> Conference Chairs: Dr Geraldine Duffy, Teagasc/ Dr Dearbháile Morris, NUIG	
<b>1.00pm</b>	<b>Coach Transfers to City Centre</b>	