



Day 1, Wednesday 27 November 2019

Moderated Poster Session A – tracks 1-8

15:40-16:40

Track 1: Antimicrobial resistance

Moderator: Outi Lyytikäinen

- 1.1. Antimicrobial resistance in Saxony-Anhalt: data from a national surveillance system shows increase in vancomycin-resistant Enterococcus faecium, 2015-2017, **Inessa Markus**
- 1.2. The rise of vancomycin-resistant Enterococcus faecium in Germany, data from the German Antimicrobial Resistance Surveillance, **Robby Markwart**
- 1.3. Anthropogenic pollution and impact on detection of carbapenemase-producing Enterobacterales in recreational waters, **Brigid Hooban**
- 1.4. Carbapenem non-susceptibility is widespread amongst enterobacteriaceae and Acinetobacter spp. in Baden-Württemberg, Germany: results from the first 2.5 years of national surveillance, May 2016 to 2018, **Maylin Meincke**
- 1.5. The prevalence and risk factors for rectal carriage of antimicrobial resistance in Dutch and Flemish children attending day care centres: a point prevalence study (i-4-1-Health project), **Sara Dequeker**
- 1.6. The impact of medical training on the level of antibiotic knowledge and behaviour of medical nurses students, **Cosmin Dumitru**

Track 2: Emerging and vector-borne diseases, and international health (1)

Moderator: Barbara Schimmer

- 2.1. Infectious disease screening of refugees and asylum seekers arriving to Malta (2015-2019), the shifting paradigm of a humanitarian crisis in the EU, (LATE BREAKER), **Raquel Medialdea-Carrera**
- 2.2. An outbreak of scabies in a nursing home: the potential use of PCR on bed linens for diagnosis, **Raissa Tjon-Kon-Fat**
- 2.3. Epidemiological situation of visceral leishmaniasis in humans, Greece 2004-2018. Future challenges, **Myrsini Tzani**
- 2.4. Population attributable fraction of stomach cancer related to Helicobacter pylori among Koreans **Yoon Park**
- 2.5. Factors related to the practice of cervical cancer screening in the Joal Health District in Senegal November, 2018, **Ibou Gueye**
- 2.6. Shiga toxin-producing Escherichia coli (STEC) O55:H7: a severe infection with an unknown source, England 2014-2018, **Clare Sawyer**

Track 3: Food- and waterborne diseases and zoonoses (1): outbreaks (I)

Moderator: Steen Ethelberg

- 3.1. Outbreak of STEC O26 paediatric HUS cases associated with the consumption of soft raw cow's milk cheeses, France, March-May 2019, **Gabrielle Jones**
- 3.2. Explosive foodborne outbreak of an enterotoxin-producing Staphylococcus aureus in a tourist vessel moored in Denmark 2018 with simultaneous isolation of the strain in patients and food, **Susanne Schjørring**
- 3.3. Hepatitis A-outbreak in Germany linked to consumption of dates purchased in Morocco, 2018, **Martyna Gassowski**
- 3.4. Cracking the case: how local public health professionals unravel a foodborne norovirus outbreak in less than a week using a web-survey, Germany 2018, **Delphine Perriat**
- 3.5. Investigation of a recurring Norovirus outbreak on a cruise ship, Malta, August-September 2018, **Raquel Medialdea-Carrera**
- 3.6. Panic can spread faster than pathogens: communication pitfalls during a foodborne outbreak in Denmark in 2019, **Guido Benedetti**

Track 4: Food- and waterborne diseases and zoonoses (2): surveillance

Moderator: Harold Noël

- 4.1. Investigating the occurrence of Verotoxigenic Escherichia coli (VTEC) in Irish private drinking water wells, **Lian P Burke**
- 4.2. Spatiotemporal approaches to explore the environmental connection between cattle farms and sporadic cases of human infections of Shiga toxin/verocytotoxin-producing Escherichia coli in Sweden, **Hyeyoung Kim**
- 4.3. Are food exposures obtained through commercial market panels representative of the general population? Implications for epidemiological studies, **Charlotte Andersen**
- 4.4. Evaluation of surveillance system for entero-haemorrhagic E. coli 2013-2017, Czech Republic, **Klara Labska**
- 4.5. Typhoid in the woods – implementation and impact of genomics for typing Salmonella enterica serotype Typhi in a National Reference Centre, **Erika Lindh**
- 4.6. Creation and evaluation of an algorithm for automated hepatitis A outbreak detection using Bulgarian surveillance data, **Savina Stoitsova**

Track 5: Influenza and other respiratory viruses (1)

Moderator: John Paget

- 5.1. Influenza season 2018/2019 completely dominated by Influenza A; findings from a sentinel surveillance in Bavaria, Germany, **Tom Woudenberg**
- 5.2. Genetic and antigenic characteristics of circulating influenza A viruses, WHO European Region, 2018/2019, **Angeliki Melidou**
- 5.3. Risk factor analysis of Highly Pathogenic Avian Influenza in Greece, **Ioanna Chatziprodromidou**
- 5.4. Predicted efficacy of cell-derived and egg-derived influenza vaccine against A(H3N2) strains circulating during the 2018/2019 season, **Cristina Galli**
- 5.5. High influenza morbidity in children in Ireland, 2009-2019, supports the need for improved/alternative vaccination strategies, **Lisa Domegan**
- 5.6. Influenza vaccine effectiveness against hospitalization with laboratory-confirmed influenza in Greece: a pooled analysis across five seasons, 2013/14 to 2017/18, **Elisavet Mouratidou**

Track 6: HIV, sexually transmitted infections and viral hepatitis (1): surveillance and burden of disease

Moderator: Anastasia Pharris

- 6.1. Drug use during sex among Dutch swingers and associated sexual risk behaviour: a hidden phenomenon?, **Ymke Evers**
- 6.2. Modelling the incidence and prevalence of HIV in 2018 in a country without CD4 count data: The Norwegian experience with the ECDC HIV modelling tool, **Robert Whittaker**
- 6.3. Sustainable Development Goal 3: Ensure healthy lives and promote well-being for all at all ages – can the EU/EEA measure up on tuberculosis, viral hepatitis and HIV?, **Lina Nerlander**
- 6.4. Evidence-based prioritisation of infectious diseases for surveillance and public health action in Belgium, **Sofieke Klamer**
- 6.5. Number of people living with hepatitis B and C in Germany between 2009 and 2014, **Katrin Kremer**

Track 7: Vaccine-preventable diseases (1): measles

Moderator: Marion Muehlen

- 7.1. Measles outbreak in a public hospital, Szczecin, Poland, January 2019, **Cyrus Alain Koenig**
- 7.2. Estimation of measles vaccine coverage during an outbreak of the disease in Bishkek the capital city of Kyrgyzstan, 2018-2019, **Nazgul Abamuslimova**
- 7.3. Measles outbreak, Lebanon, 2018, **Lina Chaito**
- 7.4. Just another brick in the wall? School-based clustering of measles susceptibility, **Elise Kuylén**
- 7.5. Who is at risk of measles in EU/EEA?, **Nick Bundle**
- 7.6. Investigation of measles cases in the Kouibly health district, Cote d'Ivoire, March 2019, **Bonzou Adjoua Jeanne**

Track 8: Vaccine-preventable diseases (2): surveillance

Moderator: Jussi Sane

- 8.1. Impact and effectiveness of the 10-valent pneumococcal conjugate vaccine on invasive pneumococcal disease among children under 5 years of age in the Netherlands, **Laurene Peckeu**
- 8.2. Parallel change of pneumococcal serotype distribution in childhood carriage and invasive disease following a pcv13-to-pcv10 vaccination programme switch, **Ine Wouters**
- 8.3. Host factor associated mortality following invasive pneumococcal disease in adults in France, **Kostas Danis**
- 8.4. Indirect effects of Paediatric Conjugate Vaccines on Invasive Pneumococcal Disease in Older Adults, **Pilar Ciruela**
- 8.5. A comprehensive evaluation of the invasive meningococcal disease surveillance system in Ireland, 2012-2017, **Annalisa Quattrocchi**
- 8.6. Impact of level of completeness of contact details on processing time of notifications in the German Surveillance System for infectious diseases, **Adine Marquis**

Day 2: Thursday, 28 November
Moderated Poster Session B – tracks 9-16
15:40-16:40
Track 9: Healthcare-associated infections Moderator: Jan Walter
9.1. Non-invasive group A Streptococcal infections and the risk of puerperal fever: a case-control study following an outbreak in the Netherlands, July-August 2018, Jossy Van den Boogaard 9.2. Hospital-acquired infections in adult intensive care units in Ireland: Comparison between two national point prevalence surveys, Annalisa Quattrocchi 9.3. Intensified surveillance and extended hygiene measures to control a hospital outbreak of Clostridioides (Clostridium) difficile ribotype 027 (RT027) in Germany 2018, Matthias Holfeld 9.4. Identified barriers and facilitating factors for infection control implementation within long term care facilities - A systematic literature review, Mitch van Hensbergen 9.5. Experience of surveillance of SSI in a teaching hospital in Ghana, a prospective cohort study. A. A. A. Antoinette Bediako-Bowan 9.6. Outbreak of carbapenem-resistant Klebsiella pneumoniae, in Italy, 2018–2019: the role of patient transfers between hospitals in facilitating transmission (LATE BREAKER), Xanthi Andrianou
Track 10: Emerging and vector-borne diseases, and International health (2): vector-borne diseases Moderator: Ines Steffens
10.1. Magnitude and Factors Associated with Malaria Outbreak in Ganta-Afeshum District, Tigray, Ethiopia: An Outbreak of plasmodium Vivax, Mesfin Wubishet 10.2. Detection of West Nile Virus (WNV) in mosquito pools collected during 2017-2018 from the East Macedonia-Thrace region in Greece, Anastasia Flountzi 10.3. Epidemiological Determinants Associated with the Spread of Dengue Fever in Mangu town Bara Kahu, Islamabad -October 2017, Nadia Noreen 10.4. The impact of the newly licensed dengue vaccine in endemic countries, Maira Aguiar 10.5. Comparison and modelling of Thailand and Indonesian long term time series of dengue fever, Nico Stollenwerk 10.6. Unprecedented increase in hantavirus infections in Slovenia from January to September 2019 calls for higher awareness on preventive measures (LATE BREAKER), Sanja Vuzem
Track 11: Food- and waterborne diseases (3): epidemiology and burden of disease Moderator: Werner Ruppitsch
11.1. Increased burden of disease associated with domestic campylobacteriosis in Sweden during the 2016/17 outbreak, Soledad Colombe 11.2. Hepatitis E virus among patients on haemodialysis in Croatia, Morana Tomljenovic 11.3. Estimation of toxoplasmosis incidence in Germany from healthcare claims data, 2011 – 2016, Amrei Krings 11.4. Epidemiological patterns of tularemia in Slovenia in the last decade, Maja Subelj 11.5. Current hepatitis A epidemiology in Bulgaria: encouraging trends and need for more efforts, Savina Stoitsova 11.6. Persisting physical and mental exhaustion is frequent after Q-Fever infection: results from a cohort study in Baden-Württemberg, Germany, 2014-2015, Maylin Meincke
Track 12: Food- and waterborne diseases and zoonoses (4): public health microbiology Moderator: Saara Kotila
12.1. Genetic polymorphism and antimicrobial resistance of Salmonella enterica serovar Enteritidis isolates from veterinary and food sources in Bulgaria, Gergana Mateva 12.2. Identification of Escherichia coli strains producing novel Shiga toxin 2 subtypes, Xiangning Bai 12.3. Contribution of E. coli O111 pathotypes to the aetiology of gastrointestinal disorders in children under 2 years of age in the Czech Republic (2013-2017), Petra Bohuslavova 12.4. Implementation of Prospective Whole Genome Sequencing for E. coli and Shigella: The Ongoing Canadian Experience, Philippe Bélanger 12.5. Real-time Bacillus anthracis spores field detection from aerosol samples based on magnetoresistive sensor technology, Pedro Fonseca 12.6. Molecular epidemiology of Echovirus 30 in Europe, 2016-2018, Eeva Broberg
Track 13: HIV, sexually transmitted infections and viral hepatitis (2): intervention Moderator: Erika Duffell
13.1. Piloting an algorithm to guide clinical treatment decisions among notified partners of men having sex with men (MSM) with syphilis in Rotterdam, the Netherlands, Anna Loenenbach 13.2. Need for tailored counselling by STI health care providers among the high-risk MSM engaging in chemsex, Ymke Evers 13.3. Seroprevalence and risk factors of hepatitis B and C infection using opt-out testing in a London emergency department, Basel Karo 13.4. Exploring knowledge and information needs regarding chronic hepatitis B screening using respondent-driven sampling: an online randomized recruitment method, Nora Hamdiui 13.5. Can nail salon operators keep you safe? Research leading to municipal regulation in the Wellington region, New Zealand, Annette Nesdale
Track 14: Tuberculosis and other respiratory diseases (excluding viruses) (1): surveillance and modelling Moderator: Daniel Thomas
14.1. Using Bayesian spatial models to map and to identify geographical hotspots of multidrug-resistant tuberculosis in Portugal, Olena Oliveira 14.2. Longitudinal modeling of Tuberculosis in mainland Portugal, 2009-2016, Ana Lucia Ferreira Figueiredo 14.3. Decline of tuberculosis notification rate in different population groups and regions in Portugal, 2010-2017, Alexis Sentís 14.4. Introducing whole genome sequencing for TB relatedness surveillance in London, Neil Macdonald 14.5. TB and A&E: use of acute services by people with TB in London 2012-17, Clare Sawyer
Track 15: Influenza and other respiratory viruses (2): vaccination and interventions Moderator: Peter Kriedl
15.1. "Skewed to the centre": what is behind the geographical imbalance of the influenza vaccination coverage among the elderly in Denmark?, Guido Benedetti 15.2. Moderate influenza vaccine effectiveness in Ireland during the 2018/2019 season, Lisa Domegan 15.3. Tailoring the National influenza vaccination strategy using a bottom-up approach, Slovenia, 2018, Mario Fafangel 15.4. The effect of individual reminders and communication of herd immunity on influenza immunization, Lauri Sääksvuori 15.5. Which hospitalised patients with influenza are treated with neuraminidase inhibitors? Data from eleven EU countries, 2010–2019, Cornelia Adlhoch 15.6. Evaluating the impact of influenza vaccination on respiratory antibiotic prescribing in England: A preliminary, multi-level mixed effects analysis of a national patient database, 2010-11 to 2017-18, Matt Edmunds
Track 16: Vaccine- preventable diseases (2) Moderator: Sabrina Bacci
16.1. Genomic surveillance of B. pertussis: a pilot study for an Austrian province, Adriana Cabal Rosel 16.2. Effectiveness of maternal pertussis vaccine during pregnancy in protecting infants in the region of Lisbon and Tagus Valley in 2017: a case-control study, Sara Gomes Raposo 16.3. Increase of pertussis in Finland 2015-2018: possible artifact due to seroresponse to vaccination? Timothee Dub 16.4. Socioeconomic and demographic factors associated with uptake of the first pertussis booster vaccination in the federal state of Brandenburg 2007 – 2016, Benjamin Tittmann 16.5. Impact of an accelerated measles-mumps-rubella (MMR) vaccine schedule on vaccine coverage: an ecological study among London children, 2012-2018, Joanne Lacy 16.6 Positive impact of the 2018 mandatory vaccinations’ extension in France, Laure Fonteneau

Day 3: Friday, 29 November
Moderated Poster Session C – tracks 17-24
15:40-16:40
Track 17: Food- and waterborne diseases and zoonoses (5): outbreaks (II) Moderator: Gerhard Falkenhorst
17.1 Outbreak of listeriosis caused by consumption of raw fermented trout, Norway, 2018 to 2019: a need to raise awareness of risk groups, Robert Whittaker 17.2 Deploying an online access panel as a control group for case-control studies in the investigation of gastrointestinal outbreaks: early experiences from Germany, Delphine Perriat 17.3 Large and prolonged outbreak of Salmonella Typhimurium affecting 51 schools, Belgium 2018, Sofieke Klamer 17.4 Epidemiological characteristics of Haemorrhagic fever with renal syndrome cases during the 2017 outbreak in Croatia, Maja Ilic 17.5 Tularaemia outbreak after a hare hunt in Bavaria, Germany, 2018 – lacking awareness about the disease and its potential transmission routes?, Stefanie Böhm 17.6 Outbreak of Salmonella Enteritidis linked to an unusual vehicle in southern Germany, November 2018, Tom Woudenberg
Track 18: Tuberculosis and other respiratory diseases (excluding viruses) (2): epidemiology Moderator: Senia Rosales-Klintz
18.1 Multidisciplinary investigation of a Legionella pneumophila outbreak due to novel subtype 2733 in South West England, January 2019, Ranya Mulchandani 18.2 Epidemiology of Legionnaire’s disease in Greece during 2008-2018: focus on foreign travellers, Elisavet Mouratidou 18.3 Tuberculosis contact investigations in congregate settings in Rome, Italy: contribution of migration, Monica Sane Schepisi 18.4 Changing Epidemiology of Tuberculosis Among Children in South Korea: Notification rate (2001-2017) and Mortality (1997-2017), Byung-Woo Kim 18.5 Trends of pulmonary and extrapulmonary tuberculosis in Malta over 29 years (1990-2018) and the impact of screening newly arrived migrants to Malta, Raquel Medialdea-Carrera 18.6 Avian Influenza surveillance among wild birds in Asian part of Russia (2018-2019) (LATE BREAKER) , Nikita Dubovitskiy
Track 19: Emerging and vector-borne diseases and International health (3): surveillance approaches Moderator: Teija Korhonen
19.1. Countries at risk of importation of chikungunya virus cases from Southern Thailand: a modeling study, Ashleigh Tuite 19.2. An early-warning system of West Nile Virus risk in northern Greece, Maria Chara Karypidou 19.3. Evaluation of an event-based surveillance system for detection of infectious disease outbreaks in Nigeria 2016-18, Kazim Beebeejaun 19.4. EpiCore, a novel approach crowdsourcing verification to enable epidemic intelligence, Jas Mantero 19.5. Development and validation of good epidemiological practice (GEP) guidelines for global health, Sandra Alba 19.6. Evaluation of event based surveillance system , Egypt, 2018, (LATE BREAKER), Fatma Osman
Track 20: HIV, sexually transmitted infections and viral hepatitis (III): surveillance & epidemiology Moderator: Lisa Hansen
20.1. Molecular surveillance is needed for hepatitis A outbreak case detection, Sweden, 2009 to 2018, Maximilian Riess 20.2. Neisseria gonorrhoeae antimicrobial resistance among cases imported to the EU/EEA, Gianfranco Spiteri 20.3. Human Immunodeficiency Virus cascade of care in Poland: improving, but still not on target, Magdalena Rosinska 20.4. Surveillance of transmitted HIV drug resistance in Hungary, Éva Áy 20.5. Three approaches to estimate Mycoplasma genitalium seroprevalence in the general German population, Felix Reichert 20.6. Ongoing syphilis outbreak in the European Union and European Economic Area (EU/EEA) – populations at risk, determinants of transmission and options for response (LATE BREAKER), Otilia Mardh
Track 21: Influenza and other respiratory viruses (3): Human Respiratory Syncytial virus Moderator: Eeva Broberg
21.1. Human respiratory syncytial type A and B viruses in Finland, 2010-2018, Marius Linkevicius 21.2. Evaluation of the Respiratory Syncytial Virus laboratory-based surveillance system in Portugal, 2017-2018, Emma Sáez López 21.3. Establishment of a global surveillance network to assess differences in the epidemiology of RSV in primary and secondary care: the GERi project, John Paget 21.4. Virological surveillance of respiratory syncytial virus (RSV) through a hospital-based surveillance network in Catalonia (2015-2018). Present, past and future, Andres Anton 21.5. Human Respiratory Syncytial virus infection in pediatric population during four consecutive seasons in a tertiary care hospital in Barcelona (Spain), Paula Peremiquel-Trillas
Track 22: Influenza and other respiratory viruses (4) Moderator: Flaviu Plata
22.1. Combining sentinel GP networks improves the surveillance of influenza in Flanders, Belgium. Ana Hoxha 22.2. A data-driven approach to characterize behavioural change during seasonal flu epidemic, Daniela Paolotti 22.3. The added value of applying genomic data for predicting the severity of influenza infection, Nina Van Goethem 22.4. Increasing trend of mortality and cost of infectious disease in Republic of Korea, 2010-2017, Dahye Baik 22.5. Molecular characterisation of influenza viruses by partial and whole-genome sequencing during the 2018-2019 season at a tertiary university hospital in Catalonia (Spain), Cristina Andrés 22.6. Assessing Severity: Strengths and Limitations in use of laboratory confirmed fatal influenza cases reported through the German Notification System, Julia Schilling
Track 23: Vaccine- preventable diseases (4): vaccine coverage, uptake and response Moderator: Pavla Krizova
23.1. Immunisation of healthcare workers in the Nordic countries: Differences in policy and practice and a lack of surveillance, Timothee Dub 23.2. Is there an association between socioeconomic status and immune response to infant and childhood vaccination in the Netherlands?, Jossy Van den Boogaard 23.3. Sociodemographic determinants of not being registered with the 5-year booster for children born in 2010 living in Copenhagen, Ida Glode Helmuth 23.4. Introducing a local health facility-level vaccination coverage monitoring system into the national vaccination coverage surveillance in England, Sarah Foulkes 23.5. Implementation of a national digital vaccination reminder service in Denmark, Tyra Grove Krause 23.6. Inequalities in uptake of routine childhood immunisations, analysis of coverage data from 2009-2019; Wales UK, Malorie Perry
Track 24: Late breakers Moderator: Sooria Balasegaram
24.1. Making a splash: large Norovirus outbreak associated with an outdoor theme park splash area, July 2019, Rachel Glass 24.2. Drivers of a summer influenza epidemic – New South Wales, Australia, 2018-2019, Celeste Marsh 24.3. Norovirus outbreak on a Douro River cruise ship in 2019: successful pathogen detection despite hampered epidemiological investigation, Ana Mendes 24.4. Supplementary measles immunization activities in Tyrol during the European Immunization Week, April 2019, Peter Kreidl 24.5. A large outbreak of Cryptosporidium hominis associated with swimming pool use during a children’s football tournament: evidence for persistent contamination, Simon Packer 24.6. Implementation of a diagnostic screening program for chronic Q-fever in the Netherlands, Daphne Reukers