

MODERATED POSTER SESSIONS

MODERATED POSTER SESSION A

Mälarsalen and Strindberg – TRACKS 1-8

DAY 1, WEDNESDAY 27 NOVEMBER 2019

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 Kuylen**
- 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**

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 magneto-resistive 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**

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-Klitz

- 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**

MODERATED POSTER SESSION C

Mälarsalen and Strindberg – TRACKS 19-24

DAY 3: FRIDAY, 29 NOVEMBER 2019

15:40-16:40

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**