

#ESCAIDE 2023

HYBRID

ESCAIDE

European Scientific Conference on
Applied Infectious Disease Epidemiology

22-24 November 2023

📍 in Barcelona & online

Programme



ESCAIDE



General programme

CET time zone		DAY 1 - 22 November	
08:00-09:00	REGISTRATION LEVEL 0 AND WELCOME COFFEE LEVEL 2		
09:00-09:25	Opening ceremony AUDITORIUM 1		
09:25-10:45	PLENARY SESSION A AUDITORIUM 1 Broadening the horizon: Revisiting the concept of 'prevention' for communicable diseases Chaired by the ESCAIDE Scientific Committee members: <i>John Kinsman</i> (ECDC) and <i>Petronille Bogaert</i> (European Commission) Speakers: <i>Kateřina Šědov</i> (Loono, Czech Republic), <i>Emilie Karafillakis</i> (University of Antwerp, Belgium), <i>Hanna Tolonen</i> (THL, Finland)		
10:45-11:15	COFFEE BREAK LEVEL 2		
11:15-12:45	FIRESIDE SESSION 1 AUDITORIUM 1 Surveillance in action: strategies, challenges, and innovations	FIRESIDE SESSION 2 AUDITORIUM 2 COVID-19 Vaccination: Assessing effectiveness	
12:45-14:00	LUNCH BREAK LEVEL 0	12:45-13:15 Refresh and recharge session Follow the science: follow the song LOUNGE ROOM	
		12:50-13:50 Side session 1: Career Compass AUDITORIUM 2 Moderated by: <i>Alma Tostmann</i> and <i>Jane Whelan</i> Speakers: <i>Michael Edelstein</i> (Bar-ilan University, Israel), <i>Nadine Zeitlmann</i> (RKI, Germany), <i>Patrick Keating</i> (MSF), <i>Giovanna Jaramillo-Gutierrez</i> (Milan and Associates), <i>Sabine Dittrich</i> (Deggendorf Institute of Technology, Germany)	
14:00-15:30	FIRESIDE SESSION 3 AUDITORIUM 1 Threats and outbreaks of food and water borne diseases	FIRESIDE SESSION 4 AUDITORIUM 2 Sexually and community acquired infections, including HIV	
15:45-16:30	POSTER TOUR 1 POSTER TOUR 2 POSTER TOUR 3 POSTER TOUR 4 POSTER TOUR 5 POSTER TOUR 6 POSTER TOUR 7 POSTER TOUR 8 POSTER AREA	15:45-16:45 AUDITORIUM 2 Side session 2: Social Sciences Session: The history of infectious disease pandemics in Europe: what are the lessons for prevention and control measures Moderated by: <i>John Kinsman</i> (ECDC) Speakers: <i>Donatella Lippi</i> (University of Florence), <i>Peter Spreuwwenberg</i> (Nivel), <i>Lone Simonsen</i> (Roskilde University), <i>Jon Bilbatua</i> (ECDC)	
16:30-17:00	COFFEE BREAK LEVEL 2		
17:00-18:15	PLENARY SESSION B AUDITORIUM 1 Digital transformation and Artificial Intelligence Chaired by the ESCAIDE Scientific Committee members: <i>Mike Catchpole</i> (ECDC) and <i>Chikwe Ihekweazu</i> (WHO) Keynote speaker: <i>John Brownstein</i> (Harvard Medical School, Canada), <i>Joanna Goodey</i> (European Union Agency for Fundamental Rights)		
18:15-18:30	DAILY WRAP-UP AUDITORIUM 1		
18:30-20:00	NETWORKING EVENT LEVEL 0		

CET time zone **DAY 2 - 23 November**

08:00-09:00	REGISTRATION LEVEL 0 AND WELCOME COFFEE LEVEL 2	
09:00-10:30	PLENARY SESSION C AUDITORIUM 1 Wastewater surveillance: a magic bullet or just one piece of the puzzle? Chaired by the ESCAIDE Scientific Committee members: <i>Jacobo Mendioroz</i> (Public Health Agency of Catalonia, Spain) and <i>Henriette de Valk</i> (Santé Publique France) Keynote speaker: <i>Paul Griffiths</i> (EMCDDA), <i>Marta Vargha</i> (National Center for Public Health and Pharmacy, Hungary) and <i>Marion Koopmans</i> (Erasmus MC, Netherlands)	
10:30-11:00	COFFEE BREAK LEVEL 2	
11:00-12:30	FIRESIDE SESSION 5 AUDITORIUM 1 Disease Surveillance: trends, outcomes and patterns	FIRESIDE SESSION 6 AUDITORIUM 2 Health promotion and disease prevention
	LUNCH BREAK LEVEL 0	12:35-13:35 Side session 3: New initiatives on integrated surveillance under the European Health Union and the SCBTH regulation AUDITORIUM 2 12:30-13:45 EAN General Assembly (closed event) AUDITORIUM 3
13:45-15:15	Eurosurveillance Seminar: Changing urban environments and impact on infectious diseases epidemiology, surveillance, prevention and control. AUDITORIUM 1 Moderated by: <i>Henriette de Valk</i> (Santé Publique France) Speakers: <i>Gerjon Iking</i> (ECDC) and <i>Florence Fournet</i> (Institute of Research for Development, France)	FIRESIDE SESSION 7 AUDITORIUM 2 Respiratory infections
15:30-16:15	POSTER TOUR 9 POSTER TOUR 10 POSTER TOUR 11 POSTER TOUR 12 POSTER TOUR 13 POSTER TOUR 14 POSTER TOUR 15 POSTER TOUR 16 POSTER AREA	15:30-16:30 Side session 4: Risk communication, community engagement and infodemic management (RCCE-IM) can save lives: success stories AUDITORIUM 2 Moderated by: <i>Cristiana Salvi</i> (WHO Regional Office for Europe) and <i>Laura Woodward</i> (UK Health Security Agency) Speakers: <i>Richard Amlôt</i> (UK Health Security Agency), <i>Dilek Aslan</i> (Hacettepe University, Turkey), <i>Audra Diers-Lawson</i> (Kristiania University College, Norway), <i>Aizhana Dzhumaliev</i> a (American University of Central Asia, Kyrgyzstan), <i>Rui Gaspar</i> (Catholic University of Portugal), <i>Fatjona Kamberi</i> (University of Vlora "Ismail Qemali", Albania)
16:15-16:45	COFFEE BREAK LEVEL 2	
16:45-18:15	PLENARY SESSION D AUDITORIUM 1 One Health: Tackling global health challenges together Chaired by the ESCAIDE Scientific Committee members: <i>Mircea Ioan Popa</i> (Carol Davila University of Medicine and Pharmacy, Romania), <i>Carmen Varela Santos</i> (ECDC) and <i>Ágnes Hajdu</i> (National Center for Public Health and Pharmacy, Hungary) Speakers: <i>Greg Martin</i> (Health Protection Surveillance Centre, Ireland), <i>Karen Saylor</i> s (Labyrinth Global Health, USA), <i>Stef Bronzwaer</i> (EFSA), <i>Sandra Gallina</i> (European Commission)	
18:15-18:30	DAILY WRAP-UP AUDITORIUM 1	
18:30-20:00	BARCAMP AUDITORIUM 2	

CET time zone

DAY 3 - 24 November

08:00-09:00	REGISTRATION LEVEL 0 AND WELCOME COFFEE LEVEL 2	
09:00-10:30	PLENARY SESSION E AUDITORIUM 1 Post-pandemic Public Health workforce Chaired by the ESCAIDE Scientific Committee members: <i>Stine Nielsen</i> (EPIET Alumni Network) and <i>Adam Roth</i> (ECDC) Speakers: <i>Lucy Easthope</i> (Durham University, UK), <i>Katarzyna Czabanowska</i> (Maastricht University, the Netherlands), <i>Giorgio Grossi</i> (Karolinska Institutet, Sweden)	
10:30-11:00	COFFEE BREAK LEVEL 2	
11:00-12:30	FIRESIDE SESSION 8 AUDITORIUM 1 Healthcare-associated infections	FIRESIDE SESSION 9 AUDITORIUM 2 Global health
	12:30-13:45	LUNCH BREAK LEVEL 0
12:35-13:35 Side session 5: #OutbreakAlert An unknown disease has been reported in...": technological advances taking us from local headlines to public health intelligence AUDITORIUM 2 Moderated by: <i>Vicky Lefevre</i> (ECDC) and <i>Philip Abdelmalik</i> (WHO Health Emergencies Programme) Speakers: <i>Luigi Spagnolo</i> (JRC, EC), <i>Gianfranco Spiteri</i> (ECDC), <i>Mercy Kyeng</i> (Africa Centres for Disease Control and Prevention)		
12:45-15:00 Side session 6: Escape room AUDITORIUM 3		
13:45-15:15	FIRESIDE SESSION 10 AUDITORIUM 1 Modelling, biostatistics, and health informatics	FIRESIDE SESSION 11 AUDITORIUM 2 Late breakers
	15:30-16:15 POSTER TOUR 17 POSTER TOUR 18 POSTER TOUR 19 POSTER TOUR 20 POSTER TOUR 21 POSTER TOUR 22 POSTER TOUR 23 POSTER TOUR 24 POSTER AREA	Side session 7: Preparedness session: Are we "PRET" for the next pandemic? AUDITORIUM 2 Moderated by: <i>Hannah Lewis</i> (Global Influenza Program, WHO) Speakers: <i>Gina Samaan</i> (Pandemic Preparedness Global Platforms, WHO), <i>Isabel Bergeri</i> (Global Influenza Program, WHO)
16:15-16:30	FINAL WRAP-UP AUDITORIUM 1	
16:30-16:45	CLOSING CEREMONY AND AWARDS AUDITORIUM 1	
16:45-17:00	GOODBYE MERIENDA LEVEL 2	

NOTE: This is a provisional programme and sessions may change. The final programme will be published closer to the conference dates.

FIRESIDE SESSIONS PROGRAMME

CET time zone **DAY 1 - 22 November 2023**

11:15-12:45

FIRESIDE SESSION 1

Surveillance in action: strategies, challenges, and innovations

moderated by Gianfranco Spiteri

- Tracking dynamics of SARS-CoV-2 variants in Catalonia (Spain) through wastewater surveillance, *Albert Carcereny Sánchez*
- A Qualitative Study to Investigate National Perspectives and Needs for Cross-border Contact Tracing in Europe, *Olivia Lewis*
- Combining human health, food, weather, and land-use data in the investigation of a Shiga-toxin producing E. coli (STEC) O157 outbreak in the UK; a potential novel One Health surveillance approach, *Neil Cunningham*
- National weekly epidemiological teleconferences – a successful tool for early warning and public health service communication within the COVID-19 crisis, *Nadine Zeitlmann*
- Whole Genome Sequencing supports epidemiological investigation of community-based Clostridioides difficile clusters, *Israa Mohammed*
- Sampling schedules for children and characterising non-travel cases of typhoid and paratyphoid: Evidence for actions, *Amoolya Vusirikala*

FIRESIDE SESSION 2

COVID-19 Vaccination: Assessing effectiveness

moderated by Marta Valenciano

- Effectiveness and durability of a fourth COVID-19 vaccine dose against severe outcomes among older individuals in Norway: A population-based cohort study, *Melanie Stecher*
- Effectiveness of COVID-19 vaccine boosters in individuals ≥ 80 years by number of doses and time since the booster using electronic health registries, VEBIS multi-country study, June 2022-January 2023, *Mario Fontán-Vela*
- Effectiveness of mRNA bivalent vaccines against symptomatic SARS-CoV-2 infection at primary care level in the EU/EEA (VEBIS), September 2022–March 2023, *Charlotte Lanièce Delaunay*
- Bivalent mRNA booster vaccine effectiveness against COVID-19 hospitalizations and deaths in Portugal using an electronic health records cohort, September 2022 to February 2023, *Ausenda Machado*
- Effectiveness of second BNT162b2 mRNA booster doses in protecting against SARS-CoV-2 infection during the Omicron sub-variant waves; the UK SIREN study June 2022 to March 2023, *Victoria Hall*

14:00-15:30

FIRESIDE SESSION 3

Threats and outbreaks of food and water borne diseases

moderated by Patricia Garvey

- Cross-border sharing of food isolates solved an outbreak with invasive Listeria monocytogenes infection in ready-to-eat cold-cut meat, Denmark 2022, *Laura Espenhain*
- Water supply system as the source of the largest Cryptosporidium outbreak recorded in France, November-December 2019, *Ramalli Lauriane*
- Shiga toxin-producing Escherichia coli O103 outbreak linked to unpasteurised brie-style cheese: case-control study using a market research panel, *Eleanor Blakey*
- An outbreak of Escherichia coli O157:H7 in Wales associated with a visit to an open farm in England, *Colin Griffiths*
- The role and limitations of routine Cryptosporidium subtyping in Cryptosporidium surveillance in Sweden, *Hilde De Clerck*
- Reduction in Salmonella notifications following introduction of COVID-19 control measures, Ireland, 2015-20212, *Charlotte Salgaard Nielsen*

FIRESIDE SESSION 4

Sexually and community acquired infections, including HIV

moderated by Irena Klavs

- Questioning Risk Compensation: Pre-exposure Prophylaxis (PrEP) and Sexually Transmitted Infections Among Men who have Sex with Men in Denmark, *Sebastian von Schreeb*
- Association between HIV status and risk of SARS-CoV-2 breakthrough infection and subsequent hospitalisation after COVID-19 vaccination in Italy (January – October 2021), *Alberto Mateo Urdiales*
- Reduction in the risk of mpoxv infection after MVA-BN vaccination in individuals on HIV pre-exposure prophylaxis: a Spanish cohort study, *Mario Fontán-Vela*
- Prevalence of Mpox-specific antibodies in sera collected between January – September 2022 in England: A cross-sectional seroprevalence study, *Ash Otter*
- Less is more – strict control measures obstructed efficient contact tracing during the 2022 mpox outbreak in the Netherlands, *Diederik Brandwagt*
- Factors associated with non-initiation of antiretroviral therapy among adults newly diagnosed with HIV in Andijan, Uzbekistan, 2018-2021, *Shokhrub Usmanov **

* Remote presentation

11:00-12:30

FIRESIDE SESSION 5

Disease Surveillance: trends, outcomes and patterns*moderated by Agnès Lepoutre*

- a. Impact of the closure of day-cares and schools in response to the COVID-19 pandemic on European adults' work-life balance, European Union 2020-2022, *Ettore Severi*
- b. Transferring inpatients between wards drives large nosocomial COVID-19 outbreaks, Wales, United Kingdom, 2020-22: a matched case-control study using routine and enhanced surveillance data, *Rachel Merrick*
- c. Impact of COVID-19 pandemic on incidence and mortality of *Clostridioides difficile* infection in Wales, UK, *Rubeshkumar Polani Chandrasekar*
- d. Epidemiology of persons with repeat episodes of *Clostridioides difficile* in Wales, United Kingdom, April 2015- March 2022, *Rubeshkumar Polani Chandrasekar*
- e. Using surveillance data to evaluate the risk of severe outcomes of COVID-19 during the 2022/2023 winter in Sweden – did the autumn booster among people 65 years and older make a difference?, *Emma Löf*
- f. How did the number of healthcare associated infection outbreaks with bacterial pathogens develop during the SARS-CoV-2 pandemic? – Descriptive analysis of surveillance data in Germany, 2017–2022, *Jan M Stratil **

FIRESIDE SESSION 6

Health promotion and disease prevention*moderated by Petronille Bogaert*

- a. Establishing infodemic management in Germany: a framework for social listening and integrated analysis to report infodemic insights at the national public health institute, *Sonia Boender*
- b. Hygiene assessment in day care centres using the Infection Risk Scan (IRIS), the Netherlands, *E.M. den Boogert*
- c. Frameworks to support evidence-informed decision-making from a public health perspective and its application in infectious disease prevention and control: A scoping review, *Pablo Alonso-Coello*
- d. Invitation and reminders for shingles vaccination improves uptake among patients registered with a GP. A cross-sectional survey of General Practices in Wales, 2022, *Frances Rowley*
- e. Public considerations about implementing non-pharmaceutical interventions to manage a novel COVID-19 epidemic, *Sophie Kemper*

13:45-15:15

FIRESIDE SESSION 7

Respiratory infections*moderated by Piotr Kramarz*

- a. Vaccine effectiveness against influenza A(H3N2), A(H1N1)pdm09 and B: Results from the 2022–23 season European VEBIS primary care multicentre study, *Marine Maurel*
- b. 2022/23 seasonal vaccine effectiveness against hospitalised influenza A: pooled results from 7 countries participating in the European Vaccine Effectiveness, Burden and Impact Studies (VEBIS) project, *Jennifer Howard*
- c. Varicella zoster as a risk factor for invasive Group A Streptococcal infection in children aged 6 months to 5 years, a prospective case control study in the Netherlands, *Ilse Hazelhorst*
- d. Factors associated with mortality from invasive group A Streptococcus infection, England, 2015-2023, *Oliver McManus*
- e. Factors associated with unfavorable tuberculosis treatment outcomes, Almaty, Kazakhstan, 2018-2021, *Malika Gabdullina*
- f. Influenza and Covid-19 vaccine effectiveness against associated hospital admission and death among individuals over 65 years in Norway: a population-based cohort study, 3 October 2022 to 20 June 2023, *Hinta Meijerink*

* Remote presentation

11:00-12:30

FIRESIDE SESSION 8

Healthcare-associated infections*moderated by Ágnes Hajdu*

- Incidence of healthcare-associated infections in Greek long-term care facility residents, May-December 2022 (GR-H4LS), *Lida Politi*
- Outbreak of iatrogenic botulism post intragastric botulinum neurotoxin treatment for obesity – travel-associated cases in Germany, *Christina Frank*
- Update: Disability-adjusted life-years and attributable deaths caused by bloodstream infections due to vancomycin-resistant *Enterococcus faecium* in Germany, 2015-2021, *Simon Brinkwirth*
- Genotypic and phenotypic antimicrobial resistance in *Clostridioides difficile* in the overall Irish population, 2022, *Lieke Brouwer*
- Healthcare-associated hepatitis B and C transmission to patients in the EU/EEA and UK: a systematic review of reported outbreaks between 2006 and 2021, *Jasleen Singh*
- Waterborne outbreak of *Mycobacterium abscessus* in a UK specialist heart and lung hospital: patients, mitigations and implications, *Ellen Heinsbroek*

FIRESIDE SESSION 9

Global health*moderated by John Kinsman*

- Antenatal care-based molecular surveillance of malaria in Mozambique, *Nanna Brokhattingen*
- Investigation of an aseptic meningitis outbreak in Hebron district, West Bank, 2022, *Ayah Tuffaha*
- Cholera outbreaks: the need to connect epidemiology to systems-level interventions – Municipality of Caraga, Philippines, 2021, *Ian Christian Gonzales*
- Distribution of *Rickettsia* species among hospitalized cases and ticks in Pavlodar region, Kazakhstan, 2019, *Yekaterina Bumburidi*
- Prevalence and determinants of depression among healthcare workers during the COVID-19 pandemic in Khujand, Tajikistan, 2022, *Jamila Silemonshoeva **

13:45-15:15

FIRESIDE SESSION 10

Modelling, biostatistics, and health informatics*moderated by Rene Niehus*

- Environmental factors associated with *Escherichia coli* concentration at freshwater beaches in Lake Winnipeg, Manitoba, Canada, *Binyam Desta*
- SARS-CoV-2 transmission patterns in educational settings, *Carla Molina Grané*
- Risk factors associated with COVID-19 outbreak intensity in Canada: a negative binomial analysis, *Demy Dam*
- Modelling the incidence and prevalence of chronic hepatitis C among people who inject drugs in Norway to monitor progress towards elimination, *Robert Whittaker*
- Estimating the effect of the South Africa flightban in November 2021 on the SARS-CoV-2 Omicron outbreak in the Netherlands: A modelling study, *Elke Wynberg **
- Impact of the 2023 autumn COVID-19 vaccination campaign by vaccine coverage and level of immunity waning: an agent-based simulation study between August 2023 and June 2024, *David E. Singh*

FIRESIDE SESSION 11

Late breakers*moderated by Barbara Albiger*

- Iatrogenic botulism, an example from Türkiye, *Zeynep Ozge Ozguler*
- HIV-cases in Germany in the context of the Ukrainian refugee reception: Description of patient characteristics, transmission routes and infection stages, March 2022 – June 2023, *Klara Röbl*
- Enhanced surveillance for diphtheria amongst asylum seekers arriving by small boat to England, July-September, 2023: challenges in implementation and outcomes, *Teresa Cullip*
- Investigating avian influenza transmission to humans from infected animals in England: interim results of an enhanced surveillance programme, *Paula Blomquist*
- Salmonella Enteritidis restaurant outbreak investigation using till receipt data provides further evidence for eggs as source in widespread international cluster, England, March to April 2023, *Lucy Findlater*
- Re-emergence of Crimean-Congo Hemorrhagic Fever in North Macedonia, 2023, *Dragan Kochinski **

* Remote presentation

POSTER TOURS PROGRAMME

DAY 1 - 22 November 2023 15:45-16:30 CET time zone

POSTER TOUR 1

COVID-19: Surveillance

moderated by Justine Schaeffer

- Impact of the COVID-19 pandemic on the reporting of infectious diseases in the EU/EEA, 2012-2021, *Carlos Carvalho*
- Characterisation of SARS-CoV-2 reinfections detected through successive variant waves in the SIREN UK healthcare worker study, June 2020 to March 2023, *Katie Munro*
- Risk factors associated with COVID-19-related death during the Omicron period in North Macedonia, 2022, *Katerina Kirkovik Kolevska*
- A case-case study design using national surveillance data underlines the role of immunocompromise among vaccinated COVID-19 cases requiring critical care in Ireland in 2021, *David Kelly*
- The participatory surveillance system GrippeWeb helps to date and quantify changes in sensitivity of COVID-19 incidence in national notifiable disease surveillance data in Germany, *Anna Loenenbach*
- Results from WHO GISRS Global External Quality Assessment Programme (EQAP) 2020-2022 for molecular detection of SARS-CoV-2, *Saira Hussain**

POSTER TOUR 2

Food- and waterborne diseases

moderated by Pawel Stefanoff

- Assessing Giardiasis incidence in travellers for various destination countries and regions using surveillance and travel data, Germany, 2014-2019, *Mirko Faber*
- Risk factors for household transmission of Shigella during an outbreak in Tunisia, July-November 2022, *Emna Mziou*
- Foodbook 2.0: Highlights from the Canadian food, water and animal exposure study, *Katharine Fagan-Garcia*
- Molecular detection of Shiga toxin-producing Escherichia coli (STEC) in water using a sensitive and rapid water-based filtration method, *Zina Alfahl**

POSTER TOUR 3

COVID-19: Vaccination

moderated by Jane Whelan

- COVID-19 vaccination in Spain - a success story, *Ana Fernandez Dueñas*
- Additional benefit of a second booster dose against COVID-19 hospitalization. A case-control study with data from sentinel SARI surveillance in Spain, *Clara Mazagatos*
- Temporal changes to case fatality risk of COVID-19 following vaccination in England: a national surveillance study, *Florence Halford*
- Pre-existing chronic conditions and COVID-19 vaccination uptake, *Mary Barker*
- Reactogenicity of heterologous boosting with Bimervax (PHH-1V, HIPRA) against SARS-CoV-2: differences upon previous infection and prime-vaccination regime. Results of a phase 3 clinical trial, *Salomé de Cambra Florensa*
- Impact of the Health on Wheels Intervention on COVID-19 vaccination in Guatemala, *Evelyn Balsells**

POSTER TOUR 4

Antimicrobial resistance

moderated by Anna Machowska

- Extended-spectrum beta-lactamase producing E. coli causing urinary tract infections in Iceland. Analysis of epidemiology and risk factors in 2012-2021, *Anna Margrét Halldórsdóttir*
- Changes in the epidemiology of carbapenem-resistant Acinetobacter spp. before and during the COVID-19-pandemic, Germany, January 2017 - December 2021, *Jonathan Hans Josef Baum*
- Antimicrobial resistance in Greece: data from the Greek Electronic System for the Surveillance of Antimicrobial Resistance - WHONET-Greece, 2018 to 2022, *Michalis Polemis*
- Epidemiology and antimicrobial resistance of neisseria gonorrhoeae in Catalonia, 2018-2021, *Mercè Herrero Garcia*
- Investigation of genomic clusters of NDM-1-producing Klebsiella pneumoniae in Germany suggests geographically broad spread in Ukraine and nosocomial transmission in Germany, 2022, *Mirco Sandfort*
- Consumption of antibiotics in response to invasive group A streptococcus outbreak and changed clinical guidelines in England, winter 2022, *Emma Budd*

* Remote presentation

POSTER TOUR 5

COVID-19: Burden of disease

moderated by Charlotte Hammer

- a. Household transmission of the omicron variant of SARS-CoV-2 – Results from the DigiHero study, *Bianca Klee*
- b. Importance of socioeconomic status for COVID-19 outcomes in urban Italy during the vaccine rollout, January - November 2021, *Emmanouil Alexandros Fotakis*
- c. Timely detection of excess mortality attributable to COVID-19 in Europe compared to officially reported COVID-19 deaths: Estimates from 26 countries in the EuroMOMO network, *Sarah Kristine Nørgaard*
- d. COVID-19 and influenza attributable mortality during the COVID-19 pandemic in 31 European countries, *Jens Nielsen*
- e. Predictors of COVID-19 vaccination uptake among health care workers, in Albania, 2023, *Anisa Xhaferi*

POSTER TOUR 6

Tuberculosis

moderated by Veronica Cristea

- a. Active tuberculosis screening among the displaced population fleeing Ukraine, France, February to October 2022, *Jean-Paul Guthmann*
- b. Trends in Tuberculosis in Cyprus: analysis of surveillance data from 2011 to 2021, *Annalisa Quattrocchi*
- c. Effectiveness of preventive treatment for latent tuberculosis infection and its determinants in real-world settings: A retrospective cohort study in Korea, 2015-2018, *Da Seul Kim*
- d. Low sensitivity of the Tuberculosis surveillance system: a capture-recapture study, Tunis, Tunisia, 2022, *Ines Cherif*
- e. Evaluation of the implementation of the change to the BCG immunisation programme in England, *Koren Jones*
- f. Epidemiological investigations informed a TB screening event for the homeless population in Boston, England, *Mona Dave*

POSTER TOUR 7

HIV, STIs and viral hepatitis: Surveillance

moderated by Esther Kukielka Zunzunegui

- a. A statistical method to estimate the number of duplicate entries in statutory infectious disease surveillance in the absence of personal identifiers: Example of hepatitis B in Germany, 2017-2022, *Anja Schoeps*
- b. Task Force for the rapid response to the outbreak of severe acute hepatitis of unknown aetiology in children in Portugal in 2022, *Berta Grau-Pujol*
- c. Spatial epidemiology of genital herpes simplex in Korea: Clustering and Bayesian spatial regression analysis for its determinants, *Joonsu Jang*
- d. Mpox outbreak in France: the association between reported sexual activity and epidemiological characteristics of male cases aged 15 years or older, 2022, *Catarina Krug*
- e. Predictors of repeat testing and repeat infectious syphilis in men who have sex with men with a history of syphilis in the Netherlands, *Laura Kayaert*

POSTER TOUR 8

COVID-19: vaccine effectiveness

moderated by Nina Rodic

- a. COVID-19 vaccine effectiveness by number of doses received in a multicentre test-negative design study at primary care level in Europe (VEBIS), *Charlotte Lanièce Delaunay*
- b. Relative effectiveness of any COVID-19 vaccine booster doses against Omicron SARS-CoV-2 infections in an ECDC multi-centre healthcare worker cohort (VEBIS study), December 2021–March 2023, *Camelia Savulescu*
- c. Estimating vaccine effectiveness against COVID-19 using related sick leaves as an indicator: A nationwide population-based cohort study, Norway, July 2021 – December 2022, *Hinta Meijerink*
- d. Estimation of COVID-19 vaccine effectiveness against severe outcomes among adults hospitalized for severe acute respiratory infections in Albania, July 2022-March 2023, *Jonilda Sulo*
- e. Three reference groups for estimating the effectiveness of the most recent COVID-19 vaccination dose, Vaccine Effectiveness Burden and Impact Studies (VEBIS), December 2021–February 2023, *Liliana Antunes*
- f. Duration of COVID-19 vaccine effectiveness against Omicron and its sub-variants by dose: a systematic review, *Anurima Baidya*

POSTER TOUR 9

Emerging diseases

moderated by Justine Schaeffer

- a. Citizen science as an effective tool to detect the tiger mosquito (*Aedes albopictus*) in Belgium, *Javiera Rebolledo*
- b. Elevated neuroinvasive Toscana Virus incidence in Italy during 2022: an emerging public health threat?, *Emmanouil Alexandros Fotakis*
- c. Acute hepatitis of unknown aetiology: examining the North-East England Cohort, *Emer Cullen*
- d. Hay exposure as a risk factor associated with the spread of Crimean-Congo Hemorrhagic fever (CCHF), Georgia, 2022, *Levan Liluashvili*
- e. Aetiology of Acute Undifferentiated Febrile Illness (AUI) at a tertiary care centre in Eastern Uttar Pradesh, India, *Vishwa Deepak Tiwari*
- f. Fatal *Streptococcus pyogenes* cases in Europe and Turkey, a case series including autopsy data, *Veroniek Saegeman**

POSTER TOUR 10

Foodborne disease outbreak investigations

moderated by Margaret Fitzgerald

- a. Foodborne outbreak investigation in a Public High School in Cinfães, Northern Region of Portugal, February 2023, *Davy Fernandes*
- b. Outbreak of *Salmonella* Typhimurium linked to Swedish rocket salad, Sweden, September-November 2022, *Karolina Fischerström*
- c. *Shigella flexneri* outbreak linked to a takeaway in South Wales, February 2023: a case-control study, *Amy Plimmer*
- d. A Foodborne Outbreak of *B. cereus* associated with Consumption of Bonito Fish, in a Factory, Gebze, Kocaeli, Türkiye, January 2023, *Nurhayat Gürbüz-Adem*

POSTER TOUR 11

Late breakers I

moderated by Ettore Amato

- a. A pseudo-outbreak of *Bordetella parapertussis* centred on a hospital in France, revealing contamination of nasopharyngeal swabs, July 2023, *David Kelly*
- b. Attitude towards antibiotic prophylaxis among household contacts of patients with invasive Group A *Streptococcal* (iGAS) disease and its impact on the incidence of iGAS among contacts in the Netherlands, *Henriëtte ter Waarbeek*
- c. Measuring the impact of sequential guest bedroom bookings and the effectiveness of interventions in a large, prolonged norovirus outbreak at an allinclusive resort in England, May-June 2023, *Rebecca Hams*
- d. National wastewater-based surveillance in Belgium of SARS-CoV-2 variants in summer 2023, *Raphael Janssens*
- e. A nosocomial outbreak of invasive Group A *Streptococcus* infection during a national upsurge in incidence in Ireland, *Clíodhna Ní Bhuachalla **
- f. High prevalence of toxigenic *Corynebacterium diphtheriae* in wounds of refugees arriving in the Netherlands in June and July 2023, *Dimphey Van Meijeren **

POSTER TOUR 12

One Health, global health and climate change

moderated by Anna Machowska

- a. Effect of seawater temperature on incidence of severe *Vibrio* spp infections in Norway, 2014-2018, *Beatriz Valcarcel*
- b. SARS-CoV-2 in lions, gorilla's and zookeepers in the Rotterdam zoo: a one health investigation, *Aimée Tjon-A-Tsien*
- c. Climate change and public health – stepping up to the challenge of the Asian tiger mosquito in Baden-Wuerttemberg, Germany, *Maylin Meincke*
- d. Mosquito-borne virus preparedness and response: a stakeholder network analysis for the Netherlands, *Pauline Amber de Best*

* Remote presentation

POSTER TOUR 13

Genome sequencing in surveillance and outbreak investigations

moderated by Andreas Hoefler

- a. Whole genome sequencing versus PCR ribotyping for investigation of *Clostridioides difficile* – infection, prevention and control impacts, *Victoria Daniel*
- b. Increase of Group A *Streptococcus* (GAS) infections in Austria in 2023 - a genome-based characterization of invasive and non-invasive *Streptococcus pyogenes* isolates, *Maria João Cardoso*
- c. A multi-serotype *Salmonella* public house outbreak (2020-2023) identified through Whole Genome Sequencing (WGS) in the Midlands, UK, *Daniel Blackman*
- d. Multi-country outbreak of *Salmonella* Senftenberg linked to cherry tomatoes, 2022 to 2023, *Laura Giese*
- e. Consumer purchase data facilitated identification of fish patties as the source of an invasive *Listeria monocytogenes* outbreak, Denmark 2022, *Pernille Kold Munch*
- f. Molecular epidemiology of TB in Ireland over 10 years reveals a heterogeneous population and over-estimation of transmission events using traditional genotyping methods, *Emma Roycroft**

POSTER TOUR 14

Implementation science and vaccine preventable diseases

moderated by Jane Whelan

- a. Vaccine effectiveness using the 23-valent pneumococcal polysaccharide vaccine against invasive pneumococcal disease in those ≥ 65 years old: Estimating effectiveness over time and stratified by age, *Katrine FINDERUP Nielsen*
- b. Knowledge, attitudes and practices (KAP) towards pneumococcal infection and vaccination among primary health care physicians, Ukraine, 2021, *Oksana Artemchuk*
- c. Effectiveness of the 23-valent pneumococcal polysaccharide vaccine against invasive pneumococcal disease and serotype specific disease aimed at those ≥ 65 years of age, *Lise Birk Nielsen*
- d. Maternal and infant immunity against pertussis in Norway, *Margrethe Greve-Isdahl*
- e. Measles and Rubella immune status from serological cross-sectional surveys in 1995-1996, 2006-2007 and 2016-2017 in The Netherlands, *Tom Woudenberg*
- f. Low seroprotection against diphtheria and tetanus in Lao adolescents, *Lisa Hefele **

POSTER TOUR 15

Mpox: surveillance and outbreak investigations

moderated by Silvia Funke

- a. Global epidemiology of the multicounty monkeypox outbreak, 2022-23, *Ana Hoxha*
- b. Monkeypox outbreak surveillance based on emergency department visits, *Bernadette Verrat*
- c. In-action evaluation of surveillance processes of mpox in EU/EEA, 2022, *Xanthi Andrianou*
- d. Household mpox transmission: estimating the secondary attack rate and factors associated with transmission within households in the UK mpox outbreak between May and November 2022, *Charlotte Anderson*
- e. Effectiveness of historical childhood smallpox vaccination against mpox: estimation using the screening method on surveillance data from countries in Europe, 2022-2023, *Soledad Colombe*

POSTER TOUR 16

COVID-19 and other respiratory diseases

moderated by Maximilian Riess

- a. Real-world evaluation of daily self-administered lateral flow tests for SARS-CoV2 for contacts of COVID-19 cases, *Nicola Love **
- b. How the COVID pandemic and physical distancing measures implemented impacted on the social contacts and mixing patterns in Norway? Insights from a panel study, April to September 2020, *Lamprini Veneti*
- c. Characterisation of serological correlates of protection against SARS-CoV-2 throughout the pandemic within the UK-based SIREN study, *Ana Atti*
- d. Severity assessment of Acute Respiratory infections during the pandemic seasons 2019/2020- 2022/23 in Germany, *Tanja Jung-Sendzik*
- e. Annual Burden of Hospitalized Influenza in Albania, 2009/2010 – 2021, *Artan Simaku*

* Remote presentation

POSTER TOUR 17

Modelling, biostatistics, and health informatics

moderated by Gaetano Marrone

- a. Malaria spatial genomics to infer connectivity, importation and transmission flow of *Plasmodium falciparum* in Mozambique, *Arnau Pujol*
- b. Modelling COVID-19 outbreaks and response options in the 30 EU/EEA countries: Insights from continuous model development and reflections for winter 2023-2024, *Rene Niehus*
- c. Causal relationships between human mobility and the spread of Covid19 in Spain, *Camila Pontes*
- d. A spatio-temporal predictive model inferring the year-to-year probability of occurrence of TBE human cases in Europe, *Francesca Dagostin*
- e. Studying time-evolution of age-specific differences in susceptibility to SARS-CoV-2 infection based on social contact data, *Nicolas Franco*
- f. A novel approach to analyzing seasonal patterns in epidemics using a higher-dimensional state space, *Lenka Pribylova*

POSTER TOUR 18

Surveillance in action: strategies, challenges, and innovations

moderated by Esther Kukielka Zunzunegui

- a. Implementing a subnational family-doctor-based respiratory disease surveillance system in Baden-Wuerttemberg, Germany, 2022, *Juliana Klein*
- b. Improving Compliance of Village Health Centers to the Mandatory Reporting of Notifiable Diseases in the Municipality of Itogon, Province of Benguet, Philippines, 2022, *Rossan Balisto*
- c. Nationwide system for early warning and monitoring of nosocomial outbreaks of (highly resistant) microorganisms in the Netherlands: characteristics of outbreaks in 2012-2021, *Sjoukje Woudt*
- d. Enhancing Respiratory Infection Monitoring in Albania: The Role of Integrated Surveillance Information System, *Kujtim Mersini*
- e. The StopptCOVID Study: Analysing the Effectiveness of Non-Pharmaceutical Interventions in Germany Across Three Waves, *Andreas Hicketier*
- f. Using passive samplers in sewage to monitor a hepatitis A outbreak at an Amsterdam school, *Maarten de Jong*

POSTER TOUR 19

Insights on vaccination

moderated by Nina Rodic

- a. Evaluating the hepatitis B vaccination impact in the Republic of Moldova – a nationwide representative serosurvey of children born in 2013, *Michael Brandl*
- b. Outcomes of post-exposure vaccination prophylaxis for Mpox in paediatric contacts during 2022 outbreak in Catalonia, *Blanca Borrás-Bermejo*
- c. Taking stock of vaccine hesitancy, associated characteristics and moral values among Dutch parents, *Daphne Bussink-Voorend*
- d. Impact of under-reporting on vaccine effectiveness estimates derived from retrospective cohort studies: a simulation study, *Chiara Sacco*
- e. Effectiveness of control interventions during a large meningococcal C outbreak in Tuscany, Italy, *Giorgio Guzzetta **
- f. Knowledge, attitudes and practices of influenza vaccination among healthcare workers in Bitola, Republic of North Macedonia, *Svetlana Popovska Kljuseva **

POSTER TOUR 20

Waterborne outbreaks and related interventions

moderated by Margaret Fitzgerald

- a. Community waterborne outbreak due to *Salmonella Bovismorbificans*, Greece, August 2022, *Lida Politi*
- b. Cholera: back to the basics of community sanitation - an outbreak in the Municipality of Manay, Philippines, 2021, *Ian Christian Gonzales*
- c. A Waterborne Outbreak of Hemolytic Uremic Syndrome (HUS) caused by Verotoxigenic *E. Coli* O104:H4 after Feast of Sacrifice in Türkiye, *Burak Kurt*
- d. Waterborne outbreak in Bilecik, Türkiye, February 2022, *Tugba Baltaci*
- e. A large outbreak of Hepatitis A Outbreak in a northern community in Canada 2021-2022: Public Health Interventions and Immunisation in a Remote Context, *Yassen Tcholakov*
- f. Investigation and characterisation of a cholera outbreak in Lebanon after three decades cholera-free, 2022, *Abass Jouny*

* Remote presentation

POSTER TOUR 21

Vaccine preventable diseases: surveillance, outbreaks and burden of disease

moderated by Silvia Funke

- Measurement of Population-Level Measles Immunity in Ontario, Canada Using Serology Data Linked to Health Administrative Data, *Archchun Ariyaratjah*
- 20 years of MERIN (Meningitis and Encephalitis Registry in Lower Saxony and Bremen) – design and main results of a syndromic surveillance system, *Mareike Wollenweber*
- Local increase of serogroup B invasive meningococcal disease caused by an emerging strain, Auvergne-Rhône-Alpes region, France, 2021-2022, *Alexandra Thabuis*
- Varicella burden in Portugal from 2013 to 2022: implications of the COVID-19 pandemic in a context of a missing varicella vaccine recommendation, *Berta Grau-Pujol*
- Genomic characterization, antimicrobial susceptibility and vaccine reactivity to 4CMenB of *Neisseria meningitidis* producing invasive meningococcal disease in Spain, *Josep Roca*
- Insufficient access to diagnosis hampers surveillance of invasive meningococcal disease in the Republic of Moldova, *Veaceslav Gutu*

POSTER TOUR 22

Infectious diseases and at risk populations

moderated by Charlotte Hammer

- Socioeconomical inequalities in the incidence of bacteraemias in England: a national surveillance and data linkage study, *Andrea Mazzella*
- Group B *Streptococcus* maternal colonization and neonatal sepsis in Belgium between 2012 and 2021: a description of the epidemiological situation, *Zsofia Bognar*
- An outbreak of invasive Group A *Streptococcus* in a residential care facility in the North-East of Ireland, *Ciara Carroll*
- STEC clearance times in children and risk of transmission in childcare setting remain unchanged despite increase in detected non-O157 cases in England, *Amoolya Vusirikala*
- Impact of COVID-19 on thirty-day all-cause mortality associated with Gram-negative Bacteraemia in England, *Taimoor Hasan*
- Preparing long-term care facilities for future pandemics – a systematic review on the effectiveness of non-pharmacological interventions against viral, respiratory pathogens with pandemic potential, *Jan M Stratil **

POSTER TOUR 23

Late breakers II

moderated by Pawel Stefanoff

- Ongoing mumps genotype G outbreak among primary school children, June September 2023, The Hague, The Netherlands, *Kevin Wassing*
- Triangulated phylodynamic-spatio-temporal analysis of A/H5N1 outbreak in cats in Poland during spring/summer 2023, *Andrzej Jarynowski*
- Ongoing multidrug-resistant tuberculosis outbreak among the African immigrant population from 2019 to 2023 in Bilbao, Spain, *Camille Jacqueline*
- Epidemiologically independent and genetically distinct dengue local transmission events in Italy, summer 2023, *Flavia Riccardi*
- Application of MALDI-MS and Machine Learning for detection of SARS-CoV-2 and non-COVID acute respiratory infections, *Irina Kadyrova*
- The evolving relationship between SARS-CoV-2 cases and wastewater concentrations in Luxembourg from lockdown in 2020 until autumn in 2023, *Joël Mossong*

POSTER TOUR 24

Surveillance methods and tools

moderated by Andreas Hoefler

- Implementation of primary health care surveillance in Malta: a data completion evaluation, *Ariana Wijermans*
- Using artificial intelligence to improve epidemic intelligence processes: development and impact measurement of R templates for validating and summarising public health threats, *Laura Espinosa*
- Extracting Contextual Information about Infectious Diseases from Electronic Case Notes for Situational Awareness, *Mark Drakesmith **
- Evaluation of a newly implemented electronic reporting system for notifiable diseases in Denmark, *Sidsel Skou Voss*
- Development and validation of syndromic surveillance for gastrointestinal infections in emergency departments: a novel tool that complements existing surveillance, Germany, January 2019 – August 2022, *Jonathan Baum*
- Development of Acute Respiratory Illness (ARI) surveillance through sentinel pharmacies: a Welsh pilot, *Frances Rowley*

* Remote presentation