

# ESCAIDE

European Scientific Conference on  
Applied Infectious Disease Epidemiology

20 - 22 November 2024

HYBRID

Stockholm and online



PROGRAMME



# GENERAL PROGRAMME

## DAY 1 – Wednesday 20 November

08:00-09:00	Registration and welcome coffee LEVEL 0 & 1	
09:00-09:20	Opening ceremony with Pamela Rendi-Wagner (ECDC Director) and Piotr Kramarz (ECDC Chief Scientist) LEVEL 1 AUDITORIUM 1 MÄSSHALLEN	
09:20-10:20	<b>PLENARY SESSION A:</b> PREVENTION VS. CURE: WHAT CAN WE LEARN FROM CANCER, CRIME AND CLIMATE CHANGE?  Chaired by the ESCAIDE Scientific Committee members Kateřina Šedová (Loono, Czech Republic) and Henriette de Valk (Santé Publique France)  <b>Speaker:</b> Chris Dye (University of Oxford, UK) LEVEL 1 AUDITORIUM 1 MÄSSHALLEN	
10:20-10:30	Official launch of the ECDC Prevention Community of Practice LEVEL 1 AUDITORIUM 1 MÄSSHALLEN	
10:30-11:00	Coffee break LEVEL 1	
11:00-12:30	<b>FIRESIDE SESSION 1</b> Healthcare associated infections LEVEL 1 AUDITORIUM 1 MÄSSHALLEN	<b>FIRESIDE SESSION 2</b> COVID-19 LEVEL 2 AUDITORIUM 2 RIDDARSALEN
12:30-14:00	Lunch break LEVEL 7	12:45-13:15 Refresh and recharge session MEZZANINE ROOM TORNET
		12:45-13:45 EAN General Assembly (Closed event) organised by: EPIET Alumni Network LEVEL 1 AUDITORIUM 3 FOGELSTRÖM
		13:30-14:00 Follow the science: follow the song MEZZANINE ROOM TORNET
14:00-15:30	<b>FIRESIDE SESSION 3</b> Burden of disease LEVEL 1 AUDITORIUM 1 MÄSSHALLEN	<b>FIRESIDE SESSION 4</b> Food- and waterborne diseases LEVEL 2 AUDITORIUM 2 RIDDARSALEN
15:30-16:30	<b>Poster tour 1:</b> Healthcare associated infections <b>Poster tour 2:</b> Epidemiology of food- and waterborne diseases <b>Poster tour 3:</b> Emerging and vector-borne diseases <b>Poster tour 4:</b> HIV intervention strategies <b>Poster tour 5:</b> Burden of disease <b>Poster tour 6:</b> Childhood vaccinations and disease outbreaks <b>Poster tour 7:</b> Surveillance systems <b>Poster tour 8:</b> COVID-19 LEVEL 7 ROOMS MÄLARSALEN & STRINDBERG	15:45-16:45 <b>Side session 1: The expanding role of mobile laboratories in global health crises</b> Organised by: MOBILISE project  <b>Moderated by:</b> Florian Gehre (BNITM, Germany) <b>Speakers:</b> Muna Affara (BNITM, Germany), Kym Antonation (Public Health Agency of Canada) and Laurence Flevaud (MSF-OCBA, Spain) LEVEL 2 AUDITORIUM 2 RIDDARSALEN
16:30-17:00	Coffee break LEVEL 1	
17:00-18:30	<b>PLENARY SESSION B:</b> INFECTIOUS DISEASES IN TIMES OF CONFLICT: LEARNING FROM UKRAINE  Chaired by the ESCAIDE Scientific Committee members John Kinsman (ECDC) and Piotr Kramarz (ECDC)  <b>Speakers:</b> Ihor Kuzin (Ministry of Health Ukraine), Olga Gvozdetska (Public Health Center Ukraine), Katarzyna Dążek-Laskowska (Ministry of Health Poland) LEVEL 1 AUDITORIUM 1 MÄSSHALLEN	
18:30-20:00	Networking event LEVEL 7 ROOM MÄLARSALEN	19:15 Epi Stand-up comedy LEVEL 7 ROOM MÄLARSALEN

# GENERAL PROGRAMME

## DAY 2 – Thursday 21 November

08:00-09:00	Registration and welcome coffee <b>LEVEL 0 &amp; 1</b>	
08:50-08:55	Morning boost <b>LEVEL 1 AUDITORIUM 1 MÄSSHALLEN</b>	
09:00-10:30	<b>PLENARY SESSION C:</b> SURVEILLANCE OF INFECTIOUS DISEASES: HOW CAN WE BETTER TELL WHAT'S GOING ON?  Chaired by the ESCAIDE Scientific Committee members Alicia Barrasa (EAN) and Ágnes Hajdu (National Center for Public Health and Pharmacy, Hungary)  <b>Speakers:</b> André Charlett (UK Security Health Agency), Lieke van Alphen (Maastricht University, Netherlands), Caterina Rizzo (University of Pisa, Italy) <b>LEVEL 1 AUDITORIUM 1 MÄSSHALLEN</b>	
10:30-11:00	Coffee break <b>LEVEL 1</b>	
11:00-12:30	<b>FIRESIDE SESSION 5</b> Surveillance <b>LEVEL 1 AUDITORIUM 1 MÄSSHALLEN</b>	<b>FIRESIDE SESSION 6</b> Modelling and biostatistics <b>LEVEL 2 AUDITORIUM 2 RIDDARSALEN</b>
12:30-14:00	Lunch break <b>LEVEL 7</b>	12:30-14:00 <b>Eurosurveillance Lunch Seminar</b> Diversity and inclusion in research and scholarly publishing Organised by: Eurosurveillance Journal  <b>Moderated by:</b> Ines Steffens (Eurosurveillance) and Matthew J Kuehnert (EID, United States) <b>Speakers:</b> Shirin Heidari (GENDRO, Switzerland) and Gowri Gopalakrishna (University of Maastricht, Netherlands) <b>LEVEL 0 ROOM TEGELSALEN</b>
		12:45-13:15 Refresh and recharge session <b>MEZZANINE ROOM TORNET</b>
		13:30-14:00 Follow the science: follow the song <b>MEZZANINE ROOM TORNET</b>
14:00-15:30	<b>FIRESIDE SESSION 7</b> Vaccine-preventable diseases <b>LEVEL 1 AUDITORIUM 1 MÄSSHALLEN</b>	<b>FIRESIDE SESSION 8</b> Preparedness <b>LEVEL 2 AUDITORIUM 2 RIDDARSALEN</b>
15:30-16:30	<b>Poster tour 9:</b> AMR: National surveillance studies <b>Poster tour 10:</b> Diagnostics of food and waterborne diseases <b>Poster tour 11:</b> Vaccination programmes and strategies <b>Poster tour 12:</b> STIs and related prevention <b>Poster tour 13:</b> Surveillance studies <b>Poster tour 14:</b> Social and behavioural sciences <b>Poster tour 15:</b> Preparedness <b>Poster tour 16:</b> Disease detection <b>LEVEL 7 ROOMS MÅLARSALEN &amp; STRINDBERG</b>	15:45-16:30 <b>Side session 2: Evidence-based public health: the power of song and dance,</b> with Georgia Ladbury and Irina Ljungqvist <b>LEVEL 1 AUDITORIUM 3 FOGELSTRÖM</b>
16:30-17:00	Coffee break <b>LEVEL 1</b>	
17:00-18:30	<b>PLENARY SESSION D: DISEASE X: ARE WE READY?</b>  Chaired by the ESCAIDE Scientific Committee members Angeliki Melidou (ECDC), Luisa Peixe (University of Porto, Portugal) and Chikwe Ihekweazu (WHO)  <b>Speakers:</b> Ana Maria Henao-Restrepo (WHO), Mika Salminen (Finnish Institute for Health and Welfare), Christian Drosten (Charité, Germany) <b>LEVEL 1 AUDITORIUM 1 MÄSSHALLEN</b>	
18:30-20:00	BarCamp <b>LEVEL 7 ROOMS MÅLARSALEN &amp; STRINDBERG</b>	

# GENERAL PROGRAMME

## DAY 3 – Friday 22 November

08:00-09:00	Registration and welcome coffee <b>LEVEL 0 &amp; 1</b>	
08:50-08:55	Morning boost <b>LEVEL 1 AUDITORIUM 1 MÄSSHALLEN</b>	
09:00-10:30	<b>PLENARY SESSION E:</b> THE NEW OLD: RETHINKING THE FUTURE OF KNOWN DISEASES  Chaired by the ESCAIDE Scientific Committee members Nadine Zeitlmann ( <i>Robert Koch Institute, Germany</i> ) and Jacobo Mendioroz ( <i>Public Health Agency of Catalonia, Spain</i> )  <b>Speakers:</b> Nienke Beerlage-De Jong ( <i>University of Twente, Netherlands</i> ), Tomasz Sobierajski ( <i>University of Warsaw, Poland</i> ), Maria Wessman ( <i>Statens Serum Institut, Denmark</i> ) <b>LEVEL 1 AUDITORIUM 1 MÄSSHALLEN</b>	
10:30-11:00	Coffee break <b>LEVEL 1</b>	
11:00-12:30	<b>FIRESIDE SESSION 9</b> Antimicrobial resistance <b>LEVEL 1 AUDITORIUM 1 MÄSSHALLEN</b>	<b>FIRESIDE SESSION 10</b> Sexually transmitted infections <b>LEVEL 2 AUDITORIUM 2 RIDDARSALEN</b>
12:30-14:00	Lunch break <b>LEVEL 7</b>	12.45-13.15 Refresh and recharge session <b>MEZZANINE ROOM TORNET</b>
		12:45-13:45 <b>Side session 3: Career Compass</b> Organised by: <i>EPIET Alumni Network</i>  <b>Moderated by:</b> Ioannis Karagiannis ( <i>EAN</i> ) and Bojana Mahmutović ( <i>EAN</i> ) <b>Speakers:</b> Marc-Alain Widdowson ( <i>WHO EURO</i> ), Ricardo Mexia ( <i>EUPHA-IDC</i> ), Tanja Charles ( <i>ECDC</i> ), Natalie Fischer ( <i>LSHTM</i> ) <b>LEVEL 2 AUDITORIUM 2 RIDDARSALEN</b>
		13.30-14.00 Follow the science: follow the song <b>MEZZANINE ROOM TORNET</b>
14:00-15:30	<b>FIRESIDE SESSION 11</b> Childhood vaccinations <b>LEVEL 1 AUDITORIUM 1 MÄSSHALLEN</b>	<b>FIRESIDE SESSION 12</b> Late breakers <b>LEVEL 2 AUDITORIUM 2 RIDDARSALEN</b>
15:30-16:30	<b>Poster tour 17:</b> International health and migration <b>Poster tour 18:</b> Antimicrobial resistance <b>Poster tour 19:</b> Surveillance of food- and waterborne diseases <b>Poster tour 20:</b> Food- and waterborne disease outbreaks <b>Poster tour 21:</b> Hepatitis and vaccination efforts <b>Poster tour 22:</b> Modelling <b>Poster tour 23:</b> Surveillance of respiratory diseases <b>Poster tour 24:</b> Surveillance of vaccine-preventable diseases <b>LEVEL 7 ROOMS MÄLARSALEN &amp; STRINDBERG</b>	15:45-16:45 <b>Side session 4:</b> Risk Communication, Community Engagement and Infodemic Management: What health emergency teams must know. Organised by: ECDC and WHO-EURO  <b>Moderated by:</b> Cristiana Salvi ( <i>WHO</i> ) <b>Speakers:</b> Ana Kasradze ( <i>CDC's Eastern Europe and Central Asia, Georgia</i> ), John Kinsman ( <i>ECDC</i> ), Christina Rolfheim-Bye ( <i>Norwegian Public Health Institute</i> ) <b>LEVEL 2 AUDITORIUM 2 RIDDARSALEN</b>
16:45-17:15	Closing ceremony and awards <b>LEVEL 1 AUDITORIUM 1 MÄSSHALLEN</b>	
17:15-17:30	Hej då & Kanelbullar <b>LEVEL 1</b>	

# FIRESIDE SESSIONS

DAY 1 – 20 November

11:00-12:30

## FIRESIDE SESSION 1

### Healthcare associated infections

MODERATOR: **Loredana Ingrosso**

- Nosocomial outbreak of *Ralstonia pickettii* infections linked to sodium chloride in Germany since September 2023 and challenges in medical product-related outbreak investigations, Mirco Sandfort
- Disparity in surgical site infection risk according to ethnicity and Index of Multiple Deprivation in England, Jan 2010 – Dec 2019, Miroslava Mihalkova
- Inclusion of Emergency Department attendance on onset status classification of *Clostridioides difficile* infections (CDI): A revised definition and implications on hospital-onset CDI cases in England, Antoine Salzmann
- Hybrid plasmid caused a rapid increase of OXA-48 *K. pneumoniae* in Lithuania, Paulius Greicius
- Reducing healthcare associated Gram-negative bloodstream infections: An England Perspective, Dimple Chudasama
- Are AI-based surveillance systems for Healthcare-Associated Infections really ready for clinical practice? A systematic review and meta-analysis, Claudia Cozzolino

14:00-15:30

## FIRESIDE SESSION 3

### Burden of disease

MODERATOR: **Ajibola Omokanye**

- Characterisation of the SARS-CoV-2 pandemic in healthcare workers within the United Kingdom: risk factors for infection across four distinct waves within a multicentre prospective cohort study (SIREN), Edward Monk
- High seropositivity and COVID-19 incidence among healthcare workers in Ireland: A prospective cohort study, 2022-2023, Louise Marron
- Using surveillance data to inform vaccination policy in Sweden - a comparison of ICU burden between COVID-19 and influenza during winter seasons 2022-2023 and 2023-2024, AnnaSara Carnahan
- Economic burden of healthcare-associated infections: case-control study, Katya Kruglova
- Emerging trends in hospital admissions for necrotising fasciitis in England, 2018-2023, Eleanor Blakey
- Unraveling the "indirect effects" of interventions against malaria endemicity: A systematic scoping review, Yura K. Ko

## FIRESIDE SESSION 2

### COVID-19

MODERATOR: **Gowri Gopalakrishna**

- Evaluation of the effectiveness of COVID-19 vaccination appointment letters on uptake across sociodemographic groups: A regression discontinuity analysis in Sweden, Georgios Varotsis
- Effectiveness of Omicron XBB.1.5 vaccine against SARS-CoV-2 Omicron XBB and JN.1 infection in a prospective cohort study in the Netherlands, October 2023 to April 2024, Anne Huiberts
- Effectiveness of COVID-19 vaccines against laboratory confirmed SARS-CoV-2 infection in the European Union multi-centre hospital healthcare worker cohort (VEBIS HCW), season 2023 – 2024, Camelia Savulescu
- COVID-19 vaccine effectiveness against severe outcomes for subgroups of immunosuppressed people in England, 2021 – 2022, Daniel Stewart
- The impact of non-pharmaceutical interventions implemented during the COVID-19 pandemic on the number of close contacts of SARS-CoV-2 cases in the Netherlands, Jizzo Bosdriesz
- Are there changes in parental attitudes towards the Dutch National Immunisation Programme after the COVID-19 pandemic? – preliminary results, Rosaline van den Berg

## FIRESIDE SESSION 4

### Food- and waterborne diseases

MODERATOR: **Nathalie Jourdan da Silva**

- Multi-country outbreak of *Salmonella* Enteritidis related to chicken meat from Poland in 2023 – the Danish perspective, Emily D. White
- Large outbreaks of *Cryptosporidium* linked to lamb contact events on working farms in England: A public health call to break the cycle, Luke McGeoch
- Nosocomial listeriosis outbreak in patients on oral glucocorticoids: time to rethink supply, preparation, and consumption of sausages and other deli meats in the health care setting in Germany, Anja Schoeps
- International data sharing linked fish products from a Danish producer to a long-lasting Danish *Listeria monocytogenes* outbreak, 2019-2024, Susanne Schjørring
- Unveiling the trichinellosis outbreak: pork contamination in a butcher's shop in Jahliyah, Lebanon, November 2023 – February 2024, Hawraa Sweidan
- Outbreak of botulism in Spain linked to a commercial refrigerated potato omelette, June–July 2023: A case-control study, Andrea Parisi

# FIRESIDE SESSIONS

DAY 2 – 21 November

11:00-12:30

## FIRESIDE SESSION 5

### Surveillance

MODERATOR: **Marc-Alain Widdowson**

- Temporal relationships between the sentinel community acute respiratory infection (CARI) programme and routine respiratory surveillance systems in Scotland: Exploring the potential for forecasting, Kehinde Akin-Akinyosoye
- Enhancing Public Health Surveillance at FIFA 2022 Qatar: A Collaborative Event Based Surveillance approach, Farida Abougazia
- Wastewater-based surveillance of SARS-CoV-2 has limited potential to predict the number of COVID-19 cases in Sweden, Anna Ohlson
- Correlation between SARS-CoV-2 RNA in wastewater and notified COVID-19 cases and intensive care unit admissions in North Rhine-Westphalia, Germany, 2022-2023, Rosanne De Jong
- Current surveillance system underestimated paediatric invasive Group A Streptococcal disease in Finland: a population registry-based study, 2014-2023, Joana Neto
- Exploring global trends in botulism neurotoxin A usage: implications for iatrogenic botulism surveillance and management, Tristan Learoyd

14:00-15:30

## FIRESIDE SESSION 7

### Vaccine-preventable diseases

MODERATOR: **Sabrina Bacci**

- Measles epidemic in a middle-school with high vaccination coverage, in the Rhône valley, France, 2023, Erica Fougere
- Disproportionate impact of measles on deprived and ethnic communities in Birmingham, England, 2023-2024, Hannah Jary
- Re-emergence of Toxigenic *Corynebacterium diphtheriae* among people experiencing homelessness linked to a 2022 European diphtheria outbreak, Frankfurt am Main, Germany, 2023, Jonas Haller
- Implementation of whole genome sequencing-based typing for *Corynebacterium diphtheriae* in Norway, João Pires
- Seasonal 2023/24 influenza A vaccine effectiveness: VEBIS European hospital multicentre study, Angela Rose
- Motivational interviewing intervention reduced mothers' vaccine hesitancy and increased intention to vaccinate their children: a randomized control trial, southeastern France, 2021 to 2022, Lauriane Ramalli

## FIRESIDE SESSION 6

### Modelling and biostatistics

MODERATOR: **Jose Canevari**

- Repetition in Social Contacts: Implications in Modelling the Transmission of Respiratory Infectious Diseases in Pre-pandemic & Pandemic Settings, Neilshan Loedy
- Waning observance of social distancing measures during the COVID-19 pandemic in Greece: insights for emerging epidemics, Vasiliki Engeli
- Modelling Hepatitis C virus infection and treatment impact through serological surveillance data, Conor Egan
- Multi-signal fusion modelling to integrate wastewater-based surveillance into pandemic monitoring, Daniele Proverbio
- The use of a Poisson hidden Markov model for automated detection of outbreaks with vancomycin-resistant Enterococci in routine surveillance data, Sophie van Kessel
- Increasing pertussis morbidity in Lviv Region, Ukraine, Karolina Shumylo

## FIRESIDE SESSION 8

### Preparedness

MODERATOR: **Anne Vergison**

- International transport of a mock patient with high consequence infectious disease within the EU: a three-country simulation exercise for Ireland, Germany and Norway, Máirín Boland
- Integral Scientific Advice for Outbreak Response: Lessons learned from an Avian Influenza Simulation in the Netherlands, Charlotte Waltz
- Knowledge, Attitude and Practices towards Mosquito-borne Arboviral diseases in Public Health Offices in 10 Federal States in Germany: a cross-sectional questionnaire-based analysis, Aparna Dressler
- Performance of the Robert Koch Institute's outbreak task forces during COVID-19: An evaluation, Mario Martín Sánchez
- Using mobile phone connection data to contextualize epidemiological findings in Île-de-France during the 2024 Paris Olympic and Paralympic Games, Nelly Fournet



# FIRESIDE SESSIONS

DAY 3 – 22 November

11.00-12.30

## FIRESIDE SESSION 9

### Antimicrobial resistance

MODERATOR: **Umaer Naseer**

- The epidemiology of candidaemia in Wales, United Kingdom, April 2018 – March 2024: Preparation for the development of national surveillance, Rhiannon Johnson
- Investigating Carbapenemase Producing Enterobacterales Persistence and Potential Patient Acquisition From The Hospital Environment, Aneta Kovarova
- Epidemiology and control of an outbreak of Methicillin-resistant Staphylococcus aureus (MRSA) colonisation in a neonatal unit, England, May to September 2023, Katie Thorley
- Challenges in investigating a non-O157 Shiga-toxin producing E. coli (STEC) outbreak: an STEC O26 case study, Rosie Collins
- Novel multiplexed Nanopore sequencing-based approach: rapid detection of drug-resistance associated mutations in Mycobacterium tuberculosis, Maeve Grifhorst
- Impact of antimicrobial resistance on recurrence after community-onset bacteremia, Salam Abbara

14.00-15.30

## FIRESIDE SESSION 11

### Childhood vaccinations

MODERATOR: **Tarik Derrough**

- Effectiveness of nirsevimab for the prevention of RSV hospitalisation in infants under 1 year of age: a population-based case control study in Spain, October 2023 – March 2024, Susana Monge
- Effectiveness of nirsevimab administration in newborns to prevent RSV hospitalisation: A test-negative case control study with SARI sentinel surveillance data in Spain, Clara Mazagatos
- A reduction in geographical disparities in childhood vaccination coverage following the National 2018 mandatory vaccination law, Alpes-Maritimes, France, David Kelly
- Influenza vaccine effectiveness among children and adolescents: results from the European VEBIS primary care multicentre study in the 2022/23 and 2023/24 seasons, Héloïse Lucaccioni
- Evaluation of humoral immunogenicity to yellow fever vaccine in children younger than 2 years of age: a systematic review, meta-analysis, and meta-regression, Pietro Ferrara
- Interim analysis of pertussis outbreak in Croatia indicates the need for vaccine booster doses in adolescence, May 2023 – April 2024, Ivan Mlinaric

## FIRESIDE SESSION 10

### Sexually transmitted infections

MODERATOR: **Lina Nerlander**

- Upsurges in sexually transmitted infections among men who have sex with men and young populations in the EU/EEA: analysis of 2018-2022 surveillance data, Otilia Mardh
- Outbreak of Hepatitis A associated with sexual transmission among men who have sex with men (MSM) in Portugal, October 2023 to April 2024, Sebastian von Schreeb
- Factors associated with late HIV diagnosis in England, 2015 to 2022, Joseph Jasperse
- Are we reaching the HIV targets? Modelling-based estimates to assess the first UNAIDS goal, Denmark, 2023, Roberto Croci
- Hepatitis B patients' adherence to treatment in relation to knowledge, attitudes, and practices (KAP) in the West Bank, Palestine, 2022-2023, Ayham Sawalmeh
- Syphilis outbreak among people who use drugs attending harm reduction settings, Luxembourg, December 2023-September 2024, Corinna Ernst

## FIRESIDE SESSION 12

### Late Breakers

MODERATOR: **Barbara Schimmer**

- Shiga toxin-producing Escherichia coli (STEC) O145:H28 outbreak linked to pre-packaged sandwiches in the UK, 2024, Amy Douglas
- Measles outbreak in a mass reception centre for refugees in Berlin, Germany, April-May 2024: A call for better protection of newly arriving refugees, Navina Sarma
- Automated detection of hospital outbreaks of antimicrobial-resistant bacteria in one Italian region, 2022 to 2024, Francesco Venuti
- Current resurgence of Bordetella pertussis in France, January-August 2024, Sara Mazzilli
- Rapid escalation of enterovirus D68 cases in northern Italy associated with respiratory infection, August-September 2024, Elena Pariani
- Outbreak of myocarditis in children in Germany, 2024: Rare complication of parvovirus B19 or something new?, Teresa Nygren

# POSTER TOURS

**DAY 1** 15:30-16:30

**20 November**

## POSTER TOUR 1

### Healthcare associated infections

MODERATOR: **Tommi Karki**

- Identification of risk factors for hospital-onset bacteremia to inform a routine data based risk prediction– an umbrella review, Anna Bludau
- Healthcare-associated infections in Intensive Care Units: prevalence and associated factors, Emna Mziou
- Identification of the main genomic clusters of carbapenem-resistant *Klebsiella pneumoniae* in the healthcare network by whole genome sequencing in Latvia, Baiba Niedre-Otomere
- Trends in critical care unit associated Gram-negative bloodstream infections and associated antibiotic resistance in England between 2017 and 2023: a data linkage study, Matt Wilson
- *Acinetobacter baumannii* PCR-based replicon typing and resistance genes among isolates from pneumonia and skin and soft tissue infections from patients in southern Poland, Tomasz Kasperski
- Nosocomial outbreak of *Ralstonia pickettii* linked to internationally distributed sodium chloride products, United Kingdom 2023-2024, Amy Weaver
- An outbreak of carbapenemase-producing *Enterobacterales* (CPE) in a new-build single bed-room specialist cardiothoracic hospital in England, 2024, Juliette Cavaye

## POSTER TOUR 3

### Emerging and vector-borne diseases

MODERATOR: **Anna Maisa**

- Epidemiological investigation of a multistate leptospirosis outbreak linked to pet rats (*Rattus norvegicus* forma domestica) in Germany, 2022–2023, Jasmin Metz
- Unprecedented number of imported cases and autochthonous transmission in Northern France: was 2023 a tipping point for dengue in mainland France?, Lucie Fournier
- Five autochthonous dengue cases and the first local transmission in the Paris region in 2023, Nelly Fournet
- Orthohantavirus seroprevalence among high-risk adults in western Kazakhstan, 2023, Ulyana Gubareva
- Highly Pathogenic Avian Influenza A H5N1 infections in domestic poultry and human contacts in the Fraser Health region, British Columbia, Canada, Brigitte Ho Mi Fane
- Public Health Challenges in Contact Tracing of Leprosy, Ireland, August 2024., Rebecca Marshall

## POSTER TOUR 2

### Epidemiology of food-and waterborne diseases

MODERATOR: **Taina Niskanen**

- Comparing Observed Iso- and non-isothermal *Listeria monocytogenes* Growth with Model Predictions Under dynamic Conditions, Patrizia Centorame
- ESBL-producing *Salmonella* Kentucky cluster linked to locally produced eggs, August 2023, Malta, Ariana Wijermans
- Come rain or shine? Outbreak of gastroenteritis after a swimming competition in open water, Esther Schol-van Puffelen
- Where the cooling water drifts: An outbreak of *Legionella pneumophila* serogroup 1 in Sydney, Australia, 2024, Eunice Siboy
- Investigation of an acute watery diarrhea outbreak among students of a Police College in the Jericho district of Palestine, Subhi Alshaer
- A multi-country and intersectoral assessment of cluster congruence between different bioinformatics pipelines used in genomics surveillance of foodborne bacterial pathogens, Verónica Mixão
- Multi-organ complications identified  $\geq 1$  year after Shiga-toxin producing *Escherichia coli* O157 (STEC O157) infection and STEC- associated haemolytic uraemic syndrome (STEC-HUS), Wales, 1990-2020, Chris Williams

## POSTER TOUR 4

### HIV intervention strategies

MODERATOR: **Otilia Mardh**

- Integrating hepatitis C screening and treatment into routine HIV care in Cameroon is feasible, Liza Coyer
- Optimising HIV pre-exposure prophylaxis eligibility in men who have sex with men in 10 European countries: a modelling study and cost-effectiveness analysis, Boxuan Wang
- Prevalence and predictors of chemsex practice among people living with HIV in Serbia, Zoran Milosavljevic
- Evaluating the Impact of Healthcare Providers' Attitudes and Practices on the Prioritization of Patients with Recent HIV Infections on the Yield of HIV Testing Services in Rwanda, Sophia Chkonia
- Risk behaviour patterns among people who inject drugs and services provided in Lithuania: cross sectional study report from 2023, Evelina Pridotkiene
- Adjusting for seroconversion and migration in the CD4 back-calculation method for HIV incidence estimation, Peter Kirwan



# POSTER TOURS

**DAY 1** 15:30-16:30

**20 November**

## POSTER TOUR 5

### Burden of disease

MODERATOR: **Jane Whelan**

- Individual and environmental determinants of differences in excess mortality between neighbourhoods in Amsterdam during the COVID-19 pandemic, Jizzo Bosdriesz
- Low impact of the autumn-winter COVID-19 seasonal booster campaign in averting severe COVID-19 cases in Italy (October 2023 - March 2024), Emmanouil Alexandros (Max) Fotakis
- Impact of diabetes and obesity on SARS-CoV-2 infection following vaccination: an epidemiological and immunological analysis within the SIREN study, Ana Atti
- Using SARS-CoV-2 Nucleoprotein antibodies to detect re-infection, Mirjam Knol
- COVID-19 Pregnancy and maternal outcomes in Slovakia, Ladislav Kovac
- Prolonged hospital outbreak associated with multidrug resistant *Clostridioides difficile* RT027 clone exhibiting reduced susceptibility to vancomycin, Joana Isidro
- Estimating the disease burden of respiratory syncytial virus (RSV) in older adults in England during the 2023/24 season, a new hospital-based surveillance system, Rebecca Symes

## POSTER TOUR 7

### Surveillance systems

MODERATOR: **Timothee Dub**

- Evaluation of the European severe acute respiratory infection surveillance, October 2023: useful, acceptable, and meets its main objective, Diogo FP Marques
- Surveillance of severe acute respiratory infections associated with SARS-CoV-2, influenza virus and RSV using ICD-10 codes: a case definition accuracy study across five European countries, 2021-2023, Miguel Angel Sanchez Ruiz
- Protecting Scotland's health: An evaluation of the Community Acute Respiratory Infection (CARI) surveillance programme, Catriona Oliver
- National surveillance system for invasive *Haemophilus influenzae* disease in Italy: evaluation of completeness and timeliness, 2016-2022, Miruna E. Rosu
- Strengthening molecular surveillance of ARIs in the federal state of Bavaria, Germany: Expansion of the Bavarian Influenza Sentinel (BIS+C), Hilde Angermeier
- Evaluation of the surveillance system for severe *Clostridioides difficile* infections in Germany 2017-2022, a mixed methods approach, Sofia Burdi
- Evaluation of the measles surveillance system in Tashkent, Uzbekistan, 2023, Shoxsanam Abdullaeva

## POSTER TOUR 6

### Childhood vaccinations and disease outbreaks

MODERATOR: **Nathalie Nicolay**

- Pertussis vaccination status of patients during an ongoing outbreak in North Macedonia 2024, Enkela Pollozhani
- Outbreak of pertussis in Montenegro, November 2023 to January 2024, Milko Joksimovic
- MMR vaccination coverage decrease in the Netherlands from birth cohort 2008 to 2020 and its sociodemographic determinants, Joyce Pijpers
- Effectiveness of Universal Respiratory Syncytial Virus monoclonal antibodies in preventing Acute Respiratory Infections of patients admitted to a tertiary hospital in the 2023/2024 season, Raíssa De Fátima Silva Afonso Francisco
- The impact of routine prophylaxis through monoclonal antibodies and maternal immunisation on the respiratory syncytial virus burden in the Lombardy region, Italy, Danilo Cereda

## POSTER TOUR 8

### COVID-19

MODERATOR: **Maria Keramarou**

- XBB.1.5 COVID-19 vaccine effectiveness against hospitalisations and deaths during Omicron BA.2.86/JN.1 period among older adults in seven EU/EAA countries: ECDC VEBIS electronic health record network, Baltazar Nunes
- Effectiveness of XBB.1.5 vaccines against symptomatic SARS-CoV-2 infection in adults aged  $\geq 65$  years during the JN.1 lineage-predominant period, European VEBIS primary care multicentre study 2023-2024, Lore Merdrignac
- Effectiveness of the XBB.1.5 COVID-19 vaccines against hospitalisation during the BA.2.86 variant-predominant period in adults aged  $\geq 65$  years: VEBIS European hospital multicentre study, 2023/24, Madelyn Rojas
- Evaluation of an electronic health record-based multi-country network designed to monitor COVID-19 vaccine effectiveness in EU-EEA countries (October 2021 - February 2024), James Humphreys
- Pre-booked COVID-19 vaccination appointments vs. self-scheduling: assessing the effect on vaccination uptake during the 2023 autumn campaign in the Netherlands using a regression discontinuity design, Manon Haverkate
- Effectiveness of tiered restrictions in slowing down COVID19 in Portuguese municipalities in the winter of 2020-2021: a weighted matching differences-in-differences study, Rafael Vasconcelos
- Unpacking our SuITCases - Identifying travel-associated SARS-CoV-2 cases in England, Mary Sinnathamby

# POSTER TOURS

DAY 2 15:30-16:30

21 November

## POSTER TOUR 9

### AMR: National surveillance studies

MODERATOR: **Bojana Mahmutovic**

- Main determinants of vancomycin-resistant *Enterococcus faecium* (VREF) infection in bloodstream isolates: data from ARISS, the Italian national surveillance system on antimicrobial resistance, 2015-2022, Chiara Sacco
- Community- and healthcare-associated bloodstream infections caused by extended-spectrum beta-lactamase-producing *Escherichia coli* in Finland in 2018-2023, Heikki Ilmavirta
- Carbapenem resistance in gram-negative bacteria in the Republic of Moldova, 2019-2023, Nadejda Morarescu
- Antimicrobial resistance and area-level socioeconomic position in Germany, 2010-2019, Regina Singer
- Comparing antibiotic consumption trends in Italian acute care hospitals: a propensity score matching analysis of two point prevalence surveys, Antonino Russotto
- Epidemiological description of carbapenemase-producing organisms (CPO) cases in Wales, April 2023 – March 2024: Initial results of a new surveillance system, Victoria McClure
- Molecular epidemiology and antimicrobial resistance of invasive *Streptococcus dysgalactiae* subsp. *equisimilis* isolates in Denmark 2020-2022, Jana Grüttner

## POSTER TOUR 11

### Vaccination programmes and strategies

MODERATOR: **Kim Brolin**

- A new vaccine and two outbreak responses: a game-changer in meningitis control?, Joaquin Baruch
- Factors associated with Influenza vaccination uptake among frontline healthcare workers in Tunisia, 2022/2023 season, Fatma Ben Youssef
- Factors associated with influenza vaccine uptake among healthcare workers in Georgia, 2021-2024, Oksana Artemchuk
- One more reason to have a vaccination program for healthcare professionals in Lebanon, Zeina Farah
- Childhood vaccinations: Declining coverage and widening inequalities in England, Mary Sinnathamby
- Is the high-dose influenza vaccine better for everyone over 60 years of age in Germany?, Laura Colombo
- Missed opportunities for vaccination among healthcare-seeking children – Kyrgyzstan, 2023, Gulzada Dadanova

## POSTER TOUR 10

### Diagnostics of food-and waterborne diseases

MODERATOR: **Theresa Enkirsch**

- Possible impact of culture-independent diagnostic techniques on surveillance of gastrointestinal pathogens in Belgium, Wouter Van Dyck
- Association of *Yersinia enterocolitica* biotype 1A and gastrointestinal symptoms: an epidemiological and genomic study from 2021 to 2023 in Belgium, Elena Portell-Buj
- Enhanced echovirus 11 genomic surveillance in neonatal infections in Spain following a European alert reveals new recombinant forms linked to severe cases, 2019-2023, Maria Dolores Fernandez Garcia
- Added value of PCR on feces in two hepatitis A outbreaks in care facilities for the disabled in the Netherlands, Marloes Stradmeijer
- Development of a Nanopore DNA sequencing workflow for detection of zoonoses and antimicrobial resistance genes in avian faeces, Karen Keegan
- Surge in the number of STEC notifications in Germany in 2023 – A real increase in infections or a laboratory artifact?, Tanja Jung-Sendzik
- Opportunities and challenges of Integrated Genomic Surveillance based on *Salmonella* surveillance data from 2020 to 2023, Germany, Laura Giese

## POSTER TOUR 12

### STIs and related prevention

MODERATOR: **Marieke van der Werf**

- Prevalence of chlamydia, gonorrhoea, trichomoniasis, and syphilis in Europe: A systematic review and meta-analysis to inform prevention and control of sexually transmitted infections in Europe, Richard Pentz
- Rising incidence of congenital syphilis in Portugal: Implications for achieving WHO Europe targets, Filipa Canha
- Spatio-temporal trends and determinants of syphilis among heterosexual men and women in the Netherlands, 2011-2023, Laura Kayaert
- Antimicrobial resistance in *Neisseria gonorrhoeae* in Portugal: Results from the Portuguese National Laboratory Network for *Neisseria gonorrhoeae* Collection, Miguel Pinto
- Knowledge, attitudes and HPV vaccination intentions among different populations of unvaccinated young Israeli adults: a cross-sectional survey, Michael Edelstein
- Neonatal herpes simplex virus infections in the Netherlands (2016-2022): incidence, health outcomes and guideline adherence, Goncalo Matias
- Reduction of mpox vaccination hesitancy in clinics offering on-site vaccination, Raquel Eusébio

# POSTER TOURS

DAY 2 15:30-16:30

21 November

## POSTER TOUR 13

### Surveillance studies

MODERATOR: **Nathalie Girin**

- SARS-CoV-2 infection and vaccination status in six ethnic groups in Amsterdam, the Netherlands, May-November 2022, Sophie Campman
- Circulation of enterovirus types in Europe between January 2018 and August 2023: a retrospective multi-center surveillance study, Emiel Vanhulle
- Factors associated with severe outcomes among adult patients with Severe Acute Respiratory Infection admitted to Bishkek Hospital 2, Kyrgyzstan, 2022- 2024, Dinagul Otorbaeva
- Increase in invasive group A streptococcal infections (iGAS) in children and older adults in Norway, 2022-24, Beatriz Valcarcel
- A geospatial approach to identify possible sources of infection during an outbreak of Legionnaires' disease, Baden-Wuerttemberg, Germany, 2023, Juliana Klein
- Wastewater-based epidemiological studies and their use in public health decision making: a scoping review, Anne-Merel R. van der Drift

## POSTER TOUR 15

### Preparedness

MODERATOR: **Soledad Colombe**

- The first year of operations of the EU Health Task Force in the European Union and globally, Dorothee Obach
- "Bern, get ready" (BEready), a One Health population-based household cohort for pandemic preparedness: Pilot study about participation and feasibility, Eva Maria M. Hodel
- The state of the art of professional exchange visits in preparedness in the European Union/European Economic Area, Amelie Plymoth
- Preparedness of European critical infrastructure operators to vector-borne outbreak, Olga Hovardovska
- Lessons for future pandemic preparedness: The SIREN experience, Sarah Foulkes
- Food Security Recommendations Following Investigation of an Outbreak Linked to Oyster Consumption, Douglas Hamilton

## POSTER TOUR 14

### Social and behavioural sciences

MODERATOR: **Sarah Earnshaw Blomqvist**

- The influence of the COVID-19 pandemic on influenza vaccination willingness among healthcare workers in Dutch nursing homes, Lisa Kolodziej
- Impact of the COVID-19 pandemic on parental behaviour towards Childhood Vaccination: A self-controlled matched Cross-Sectional Study, Mahmud Omar
- Knowledge, attitudes and practice towards routine vaccination among medical students, Kazakhstan, 2023, Arystan Balmagambetov
- Physicians' knowledge and practices on syphilis diagnosis and prevention in Armenia, Lusine Boryan
- Creating good career prospects for professionals in the infectious disease control in the Netherlands, Marije Hop
- Focus group on information-seeking and sharing on vaccination, Betina Kiefer Alonso

## POSTER TOUR 16

### Disease detection

MODERATOR: **Jordi Borell Pique**

- Evaluation of whole genome sequencing versus emm typing for iGAS outbreak management in England, Fariya Abdullahi
- Use of Large Language Models to Analyse Text Responses in a National HIV Survey, Tom White
- INSaFLU-TELEVIR: an open web-based bioinformatics suite for viral metagenomic detection and routine genomic surveillance, Vitor Borges
- Epidemic Intelligence from Open Sources (EIOS) to detect international public health events – an evaluation in the scope of public health intelligence activities at the Robert Koch Institute, Germany, Mario Martín Sánchez
- Evaluation of the newly established automated surveillance system to detect severe acute respiratory infections (SARI) using electronic health records in Denmark, 2022-2023, Frederikke Lomholt
- Drafting a manual on standardized work processes for IHR- relevant biological events at the five IHR-designated airports in Germany in the StandAtRisk-project, Hannah Höglund-Braun
- Cluster identification from backwards contact tracing: a key toolbox component for control of pandemic respiratory agents with over-dispersed transmission, Graham Fraser

# POSTER TOURS

**DAY 3** 15:30-16:30

**22 November**

## POSTER TOUR 17

### International health and migration

MODERATOR: **Anastasia Pharris**

- Association of depression and anxiety with traumatic exposures in the pre- and post-migration periods among refugees from Ukraine in Moldova, 2023, Ivanna Haman
- Assessing Health Disparities and Access: Afghan Refugee Health in Pakistan through Data-Driven Analysis, Saeed Ahmad
- Enhancing public health response to newly arrived migrants: A community intervention in Catalonia, Helena Martínez Alguacil
- Piloting recruitment methods for a biobehavioural survey on viral hepatitis in Germany among people born in Türkiye and Romania, HepMig pilot study, May 2023 – March 2024, Anna-Lisa Behnke
- Spotlight on *Corynebacterium* (C.) diphtheriae and *C. ulcerans*: Results of enhanced diphtheria surveillance in Germany, 2017 – 2022, Lena Schneider
- Infectious diseases and malnutrition in Gaza - August 2024 - approaching 1 year of conflict, Laura Anne Paris

## POSTER TOUR 19

### Surveillance of food- and waterborne diseases

MODERATOR: **Therese Westrell**

- Lessons learnt from a One Health stakeholder analysis and systems mapping workshop on avian and swine influenza surveillance in humans in Denmark, August 2023, Gudrun Witteveen-Freidl
- Increase of *Salmonella enterica* serovar Chester cases in Spain, 2023, Jasmin S. Kutter
- Reptile-Associated *Salmonella* Enteritidis cases in England following import ban on feeder-mice from an EU importer, Yanshi Yanshi
- National perinatal survey to estimate seroprevalence of *Toxoplasma gondii* infection among pregnant women in France, 2021, Sara Mazzilli
- The occurrence of hepatitis E virus in human patients from Slovakia, Bozena Kocikova
- Investigation of a significant *Cryptosporidium hominis* increase across England and Wales, August to September 2023, using a retrospective case-case study revealed associations with travel and swimming, Sarah Williams
- The rise in Shiga toxin-producing *Escherichia coli* (STEC) O26 and the role of farm and nursery settings, England, 2019-2023, Lucy Findlater

## POSTER TOUR 18

### Antimicrobial resistance

MODERATOR: **Pete Kinross**

- Characterisation and network analysis of plasmids associated with combined carbapenem and aminoglycoside resistance, Mark Maguire
- Community outbreak with Panton-Valentine Leukocidin-encoding livestock-associated methicillin- resistant *Staphylococcus aureus* in the Netherlands, Patrick Van Schelven
- Nosocomial transmission of methicillin- resistant *Staphylococcus aureus* (MRSA) between two neonatal and maternity units in Wales, Israa Mohammed
- Use of Antimicrobial Sensitivity Testing for Prescribing Antibiotics Among Production Animals in Armenia, Georgia, Moldova, and Ukraine, 2023, Svitlana Mandyhra
- Proximity to humans is associated with antimicrobial resistant enteric pathogens in wild bird microbiomes, Evangelos Mourkas
- Antimicrobial resistance patterns in *Klebsiella pneumoniae* strains isolated from a tertiary care hospital in Romania, Mihai-Octavian Dan
- Antibiotic Resistance in reported *Shigella* cases in Baden-Wuerttemberg, Germany: A Pilot Study on Resistance Patterns and Phylogenetic Links from March until August 2024, Julia Kuhn

## POSTER TOUR 20

### Food- and waterborne disease outbreaks

MODERATOR: **Joana Gomes Dias**

- Shiga toxin-producing *Escherichia coli* (STEC) O145: H28 outbreak linked to unpasteurised cheese in England and Scotland, 2023, Orlagh Ingeborg Quinn
- Outbreak of the novel *Cryptosporidium parvum* subtype IlyA11 linked to mixed kale salad from salad bars in Sweden, December 2023, Ioana Bujila
- *Listeria monocytogenes* outbreak linked to artisanal blackened olives in Baden-Wuerttemberg, Germany 2023, Florian Burckhardt
- Enteropathogenic *E. coli* gastroenteritis outbreak in Agri Province, Türkiye, March 2023, Mahmut Akdag
- Brucellosis outbreak in northwestern Tajikistan in 2023: a matched case-control study, Emomali Kurbonov
- A large *Cryptosporidium parvum* outbreak associated with a lamb-feeding event at a working farm in South Wales, March-April 2024: a retrospective cohort study, Gethin Jones
- Cross-border outbreak of *Yersinia enterocolitica* bioserotype 2/O:9 infections linked to unpasteurized goat milk cheese produced in France, 2024, Fanny Chereau



# POSTER TOURS

**DAY 3** 15:30-16:30

**22 November**

## POSTER TOUR 21

### Hepatitis and vaccination efforts

MODERATOR: **Erika Duffell**

- Chronic hepatitis B infections in the European Union/ European Economic Area countries: estimates of prevalence using the UNAIDS Workbook Method, Ana Paula Finatto Canabarro
- National investigation and response to a cluster of acute hepatitis B cases in Ireland 2023-24 – implications for Ireland's new national sexual health strategy, Celia O'Hare
- Assessment of mother-to-child-transmission of hepatitis B in Germany based on routine surveillance data, 2019–2023, Klara Röbl
- Eliminating mother to child transmission of hepatitis B virus (HBV): monitoring outcomes for infants born to mothers living with hepatitis B infection in England, 2014-2023, Sameera Lyons
- Effect of risk management and communication in vaccination during a hepatitis A outbreak in Portugal, Joana Cardoso
- Seroprevalence of HIV, Hepatitis B, and C infections among pregnant women in Libya, 2023-2024, Jebril Gebriil
- Investigation of a cluster of adult acute hepatitis of unknown aetiology in Greater Manchester, January-July 2024, Eve Matthews

## POSTER TOUR 23

### Surveillance of respiratory diseases

MODERATOR: **Senia Rosales-Klintz**

- Tracking seasonal influenza trends in South Tyrol during season 2022-2023 using genomic surveillance data, Irene Bianconi
- Genomic evolution of human respiratory syncytial virus during a decade (2013–2023) in Barcelona: bridging the path to monoclonal antibody surveillance, Alejandra González-Sánchez
- Usefulness of Syndromic Surveillance in Real-Time Influenza Monitoring, Albania, 2019-2022, Jonilda Sulo
- Implementation of the moving epidemic method for RSV season detection and timely public health response in the post-COVID era, Slovenia, 2015-2024, Maja Mrzel
- Change of influenza burden between Corona pre-pandemic and pandemic times from 2014 to 2023: Analysis based on FLUNET data in Europe, Manuela Harries
- Post-pandemic rebound of Group A streptococcal infections in children in Germany, 2017 to 2024, Julia Mutevelli
- Post-COVID-19 outbreak of Parvovirus B19 affecting pregnant women - A retrospective study of laboratory-confirmed human Parvovirus B19 congenital cases 2016-2024 in the Lyon Metropolitan area, Kaisa Jaakkola

## POSTER TOUR 22

### Modelling

MODERATOR: **Bastian Prasse**

- Estimating excess mortality in the Nordics between 2020-23 using a multi-model approach, Sasikiran Kandula
- Modelling West Nile virus (WNV) seroprevalence and infection burden in Europe, Hailin Feng
- Forecasting Seasonal Influenza Hospitalisations in Ireland using a Population SLIR Transmission Model with Hamiltonian Monte Carlo (HMC), Jim Duggan
- Introducing RespiCast: the first European respiratory diseases forecasting hub, Nicolò Gozzi
- Integrating epidemiological modelling into the evidence-based methodology used in health-policy assessment. The example of the updated French vaccination strategy against invasive meningococcal disease, Laurene Peckeu-Abboud
- Factors of hepatitis C transmission in Ukraine: the impact of dental interventions, Nataliia Halushko

## POSTER TOUR 24

### Surveillance of vaccine-preventable diseases

MODERATOR: **Marlena Kaczmarek**

- Invasive meningococcal disease serogroup B: spatiotemporal cluster identification using finetype data, The Netherlands, 2005-2023, Hester de Melker
- Uneven geographical distribution of invasive meningococcal disease in Spain, 1996-2022, Marta Soler Soneira
- Investigation the largest wave of pertussis since 2016 in Wales, UK, Joshua Menadue
- Seroprevalence of varicella zoster virus IgG-antibodies in newborns and children up to 2 years of age in Lower Saxony and Bremen, Germany 2003-2023, Mareike Wollenweber
- Pertussis outbreak centered among immunized adolescents in Luxembourg, 2024, Dritan Bejko
- Mpox vaccination and outreach in the Valencian Community, Spain: response to PHEIC and coverage of high-risk groups, Juan Juaneda