Agenda – October 31st 2025

Time	Session title
09:00 – 09:30	**Registration**
09:30 – 09:40	**Opening remarks**
09:40 – 10:30	**Keynote presentation** **James Hay**: A quantitative world: should we stop binarizing our epidemiological data?
10:30 – 11:10	**Scientific session** **Alexis Martin**: Coupling models together! The love story of two mathematical models for malaria **Annabelle Wong**: Assessing the effect of social contact structure on the impact of pneumococcal conjugate vaccines
11:10 – 11:40	**Coffee Break and Posters**
11:40 – 12:20	**Scientific session** **Matthieu Domenech de Cellés:** Immune boosting and the perils of interpreting pertussis seroprevalence studies **Louis Colliot**: How virus genomics can help to understand the past (and present) of HIV epidemics in France?
12:20 – 13:00	**Speed talks** **Baptiste Ellie:** Impact of viral blips and low level viremia on HIV-specific antibody responses **Cana Kussmaul:** Modeling the effect of weather on infectious diseases: why causal structure matters **Daniella Figueroa-Downing**: How well does this vaccine work? Navigating efficacy, effectiveness, and modelled impact **Dennis Partl:** Compartmental Model on the Introduction of Zoliflodacin in South Africa **Adrian Lison**: Real-time estimation of pathogen transmission dynamics from wastewater
13:00 – 14:00	**Lunch (Served at ground floor)**
14:00 – 14:50	**Keynote presentation** **Eva Bons**: Forecasting and Scenario Modelling of Respiratory Infections in Europe: Leveraging the Ensemble Approach

14:50 – 15:30	**Scientific Session**
	Martin Wohlfender: Machine learning-based short-term forecasting of COVID-19 hospital admissions using routine hospital patient data
	Branwen Owen: Cost-effectiveness of typhoid conjugate vaccine across sub-Saharan Africa: Random forest analysis reveals primacy of cost over epidemiological drivers
15:30 – 15:50	**Break**
15:50 – 16:50	**Speed Talks**
	Diane Duroux: Early antifungal resistance identification using MALDI TOF mass spectrometry and machine learning
	Luzia Nora Felber: Simulating Mosquito Flight Paths with a Random Walk Model
	Javier Perez-Saez: Evolving infectious disease dynamics shape school-based intervention effectiveness
	Elizabeth Lee: Improving the timeliness of cholera outbreak response with case-based early warning signals
	Sarah Kramer: Purely statistical methods of inferring causality fail to accurately characterize pathogen-pathogen interactions
	Adrian Denz: Inferring a novel insecticide resistance metric and exposure variability in mosquito bioassays across Africa
	Pietro Gemo: Are time series regressions reliable for estimating the effects of weather on infectious diseases?
	Nicolas Banholzer: The relative contribution of close-proximity contacts, shared classroom exposure and indoor air quality to respiratory virus transmission in schools
16:50 – 17:00	**Final Words**
17:00	**Apéro and Networking**