

ResaFlu/FluResearchNet joint symposium

26-27 November 2025 – CBI, Toulouse, France



Program



Wednesday, November 26th 2025

- 13:30 – 13:45 Welcoming notes
- 13:45 – 14:30 **Keynote lecture 1: Thomas Peacock (Pirbright Institute, UK)**
Investigating the continued evolution of avian-origin H5N1 in US dairy cattle
- 14:30 – 15:00 Flashtalks (poster presenters 1/2)

Mechanisms of emergence and transmission of influenza viruses (1/2)

- 15:00 – 16:00 Selected oral presentations
- **Gautier Richard:** Swine Influenza A Viruses Evolution and Diversity in Europe from October 2022 to September 2024: Insights from the European Swine Influenza Network (ESFLU)
 - **Elisabeth Hellec:** Machine learning identifies key environmental, physiological, immunological and virological determinants of swine influenza A virus infection in pig herds
 - **Erica Dueger:** H5N1 genotypes, Cambodia reassortments, & pandemic threat
- 16:00 – 16:20 *Coffee break*

Mechanisms of emergence and transmission of influenza viruses (2/2)

- 16:20 – 17:00 Selected oral presentations
- **Aldair Martinez:** Interactions inside the catalytic site of the RdRp are the main determinant for High pathogenicity avian influenza emergence
 - **Olivier Terrier:** Bridging scales: exploring influenza virus interactions with other respiratory viruses, from epidemiology to the lab bench
- 17:00 – 17:30 Flashtalks (poster presenters 2/2)

Diagnostics, prophylactic and therapeutic strategies against influenza viruses (1/2)

- 17:30 – 18:10 Selected oral presentations
- **Dylan Andrieux:** Impact of anti-H5 vaccination on tissue tropism and viral shedding of a high pathogenicity avian influenza virus (HPAIV) in domestic ducks
 - **Christophe Cazaban:** Multiple dimensions of support to influenza research
- 18:10 – 19:15 Posters session
- 20:00 – 23:00 Dinner at *Caves de la Maréchale*, Toulouse

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Thursday, November 27th 2025

09:00 – 09:45

Keynote lecture 2: Mathilde Richard (EMC, Rotterdam, the Netherlands)
Antigenic evolution of H5 viruses and subtype-wide H5 vaccine development

Diagnostics, prophylactic and therapeutic strategies against influenza viruses (2/2)

09:45 – 10:25

Selected oral presentations

- **Ludivine Percevault:** Validation of a new rapid detection method for avian influenza virus based on RT-LAMP (fPOC)
- **Flora Fischer:** MVA-H5: A Promising DIVA-Compatible Vaccine Platform Against Highly Pathogenic Avian Influenza

10:25 – 10:45

Coffee break and posters

Determinants of physiopathology of influenza viruses

10:45 – 12:45

Selected oral presentations

- **Deniz Uresin:** Viral and host RLR ligands and role of m5C modification in innate immune response to influenza virus
- **Chloé Chavoix:** Pathogenicity and immune response of turkey A(H1avN2) influenza virus of swine origin on avian and mammal models
- **Aldo Zarco:** Colocalization of Influenza Polymerase and Nucleoprotein by ANP32A Reveals the Molecular Basis of Human Adaptation
- **Jimmy Cadénes:** Identification of a conserved motif essential for the antiviral activity of MX1 restriction factor against several human negative-strand RNA viruses
- **Laure Perrin-Cocon:** NAD metabolism plays multiple roles in influenza A virus replication in a novel ex vivo model of mouse lung infection
- **Alice Stelfox:** Monomeric structure of influenza A virus NEP/NS2 obtained with an artificial protein highlights conformational plasticity

12:45 – 13:00

Final remarks

13:00

Lunch boxes