

**Session Program**

12-17 Jul 2026



**European Conference on Mathematical and Theoretical  
Biology (ECMTB 2026)**

***Modeling Avian Influenza Dynamics***

University of Graz

# Thursday 16 July

17:00

## Modeling Avian Influenza Dynamics

Session | Location: University of Graz, 15.03 - HS

17:00–17:40

**Tracking the evolution, spread and reassortment patterns of avian influenza viruses using sequence data and phylodynamic modelling**

Speaker

Lu Lu

17:40–18:00

**A modelling assessment of the impact of control measures on highly pathogenic avian influenza transmission in poultry in Great Britain**

Speaker

Edward Hill

18:00–18:20

**Modelling H9N2 AIV transmission along poultry production and distribution networks in Bangladesh**

Speaker

Francesco Pinotti

18:20

## Friday 17 July

10:40

### Modeling Avian Influenza Dynamics

Session | Location: University of Graz, 15.03 - HS

10:40–11:00

#### Co-circulation of low and highly pathogenic avian influenza viruses in poultry farms: an integrated experimental and modeling framework

Speaker

Hadi Taghvafar

11:00–11:20

#### Mapping avian influenza risk across the ecological niches of HPAI and the wild-poultry interface

Speaker

Marie-Cécile Dupas

11:20–11:40

#### Ecological and environmental predictors of highly pathogenic avian influenza risk in wild birds across Europe: a Bayesian machine learning approach

Speaker

Joe Hilton

11:40–12:00

#### The role of ducks in detecting Highly Pathogenic Avian Influenza in small-scale backyard poultry farms

Speaker

Steve Wu

12:00