

**Session Program**

12-17 Jul 2026



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

***Behaviour and Individuality in Population Level  
Epidemiological Models***

University of Graz

## Thursday 16 July

15:10

### Behaviour and Individuality in Population Level Epidemiological Models

Session | Location: University of Graz, 15.11 - HS

15:10–15:50

**Cross-border transmission, vaccination heterogeneity, and structural inequity during the 2025 measles outbreak in Chihuahua, Mexico**

Speaker

Jorge Velasco

15:50–16:10

**The effectiveness of non-pharmaceutical interventions against COVID-19**

Speaker

Jane Heffernan

16:10–16:30

**Infectious disease surveillance using deep learning models**

Speaker

Bouchra Nasri

16:30

17:00

### Behaviour and Individuality in Population Level Epidemiological Models

Session | Location: University of Graz, 15.11 - HS

17:00–17:20

**Qualitative impact of political and economic decisions on PrEP users under HIV epidemic control**

Speaker

Laurent Pujo-Menjouet

17:20–17:40

**From within-host to between-hosts models via a virtual cohort**

Speaker

Julien Arino

17:40–18:00

**A Basic Reproduction Number for Pair Formation Models with Co-Infection**

Speaker

Iain Moyles

18:00–18:20

**Instabilities in a disease model incorporating compliance**

Speaker

Jacques Bélair

18:20