

Session Program

12-17 Jul 2026



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

***GLIMPRINT Minisymposium: From Mechanistic Multiscale
Immune Models to Digital Twins***

University of Graz

Tuesday 14 July

10:40

GLIMPRINT Minisymposium: From Mechanistic Multiscale Immune Models to Digital Twins

Session | Location: University of Graz, 02.21 - HS

10:40–11:00 **Introductions + Junior member mini-presentation**

Speaker

Lorenzo Veschini

11:00–11:20 **Multiscale modeling of the innate immune response to respiratory pathogens**

Speaker

Reinhard Laubenbacher

11:20–11:40

A Large-Scale Logic-Based Model of the Human Immune System as a Foundation for Mechanistically Interpretable Clinical Prediction and Immune Digital Twins

Speaker

Tomas Helikar

11:40–12:00

Using an Agentic AI Critical Illness Digital Twin to rescue from immune exhaustion in sepsis

Speaker

Gary An

12:00