

**Session Program**

12-17 Jul 2026



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

***Methods to integrate -omics data into mechanistic models***

University of Graz

## Tuesday 14 July

10:40

### Methods to integrate -omics data into mechanistic models

Session | Location: University of Graz, 01.15 - HS

10:40-11:00 **Informing Macrophage phenotypic change over the endometrial cycle using omics data**

Speaker

Domenic Germano

11:00-11:20

**Transcriptome-informed flux predictions revealed temporal metabolic reprogramming and branch points mediating cold stress-growth trade-offs in rice**

Speaker

Fatemeh Soltani

11:20-11:40

**From genome sequencing to metabolic modelling and dynamic flux balance analysis extensions**

Speaker

Thomas Munn

11:40-12:00

**Inferring mass isotopomer distribution dynamics from partial isotopic labeling data: Implications for flux estimation**

Speaker

Anika Küken

12:00