

**Session Program**

12-17 Jul 2026



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

***Biology at the Interfaces: Data-Informed Multiscale Modelling***

University of Graz

## Thursday 16 July

17:00

### Biology at the Interfaces: Data-Informed Multiscale Modelling

Session | Location: University of Graz, 02.11 - HS

**17:00–17:40** Drug dosing design guided by response and resistance convexity

Speaker

Jeffrey West

**17:40–18:00** Mathematical modeling of tissue morphogenesis and regeneration

Speaker

Diane Peurichard

**18:00–18:20**

**Leveraging spatial data analysis to provide robust, model-agnostic, and accurate measurements of pattern formation**

Speaker

Duncan Martinson

18:20

## Friday 17 July

10:40

### Biology at the Interfaces: Data-Informed Multiscale Modelling

Session | Location: University of Graz, 02.11 - HS

10:40–11:00

**Integrating multiscale multimodal imaging-based and PK/PD-informed models to predict triple negative breast cancer response to neoadjuvant therapy**

Speaker

Guillermo Lorenzo

11:00–11:20

**Linking Primary and Metastatic Growth: Testable Predictions from a Shared-Carrying-Capacity Model**

Speaker

Pirmin Schlicke

11:20–11:40

**Data-driven reconstruction of phenotypic transition networks in colorectal cancer**

Speaker

Rodrigo Garcia-Tejera

11:40–12:00

**A data-integrative approach to building ABMs for TNBC metastasis initiation and growth in the lungs**

Speaker

Tatiana Miti

12:00