

**Session Program**

12-17 Jul 2026



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

***Data Science × Mathematical Modeling for Transforming  
Quantitative Life and Medical Sciences***

University of Graz

## Thursday 16 July

10:40

### Data Science × Mathematical Modeling for Transforming Quantitative Life and Medical Sciences

Session | Location: University of Graz, 01.15 - HS

10:40–11:00

**How choices in quantifying data affect parameter identifiability in agent-based models of pattern formation**

Speaker

Yue Liu

11:00–11:20

**Cancer systems immunology reveals the tumor-immune dynamics that determine responses to novel combination therapies in metastatic tumor microenvironments**

Speaker

Adam Maclean

11:20–11:40

**Theory and Algorithms for Constructing AI-Based Dynamic Virtual Cells**

Speaker

Peijie Zhou

11:40–12:00

**Deep State Space Modeling for Real-World Biomedical Time-Series Analysis**

Speaker

Ryosuke Kojima

12:00

15:10

### Data Science × Mathematical Modeling for Transforming Quantitative Life and Medical Sciences

Session | Location: University of Graz, 01.15 - HS

15:10–15:30

**Data and Modelling for Medical Inverse Problems**

Speaker

Adam Stinchcombe

15:30–15:50

**Multi-Omics–Driven Mathematical Framework for Integrating A Mechanistic Model and Data in Precision Medicine**

Speaker

Sungrim Seirin-Lee

15:50–16:10

**Towards Reliable Single-Cell Foundation Models: A Fully Data-Driven Framework for Signal Detection and Clustering via Mathematical Theories**

Speaker

JaeKyoung Kim

16:10–16:30

**Equation Learning for Agent-Based Infectious Disease Models**

Speaker

Kevin Flores

16:30