

Session Program

12-17 Jul 2026



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

Data-driven modeling in biology and medicine

University of Graz

Thursday 16 July

10:40

Data-driven modeling in biology and medicine

Session | Location: University of Graz, 15.06 - HS

10:40–11:20

Interconnected Axes of Phenotypic Plasticity Drive Coordinated Cellular Behaviour and Worse Clinical Outcomes in Breast Cancer

Speaker
Mohit Kumar Jolly

11:20–11:40

Multi-omics Investigation Reveals Molecular Determinants of Cancer Cell Evolution on Soft Extracellular Matrix

Speaker
Sarthak Sahoo

11:40–12:00

Model Selection and Treatment Prediction in ODE Models for ER+ Breast Cancer

Speaker
Kang-Ling Liao

12:00

15:10

Data-driven modeling in biology and medicine

Session | Location: University of Graz, 15.06 - HS

15:10–15:30

Parameter identifiability for the Data-Driven Modeling

Speaker
Wenrui Hao

15:30–15:50

How Intermediate Filaments Move: Experiments and Models

Speaker
Stephanie Portet

15:50–16:10

How Random Forces Help Rather Than Hinder Dynein Cargo Transport

Speaker
John Dallon

16:10–16:30

Senolytic Drugs Reduce Cancer Resistance to PD-1 Blockade

Speaker
Nourridine Siewe

16:30