

Session Program

12-17 Jul 2026



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

***Automated discovery of dynamical digital twins from time
series***

University of Graz

Tuesday 14 July

10:40

Automated discovery of dynamical digital twins from time series

Session | Location: University of Graz, 15.05 - HS

10:40–11:00

Sparse identification of renewal equations with application to disease transmission dynamics

Speaker

Dimitri Breda

11:00–11:20

Discovering Dynamical Digital Twins from Time Series through Bayesian Sparse Regression

Speaker

Clémence Métayer

11:20–11:40

Bayesian discovery of biochemical reaction networks from time-course data with projection predictive inference

Speaker

Julien Martinelli

11:40–12:00

Global modelling of algae blooms from time series: comparison of chaotic attractors

Speaker

Martin Rosalie

12:00