

Session Program

12-17 Jul 2026



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

Discrete frameworks for modeling biological systems

University of Graz

Thursday 16 July

17:00

Discrete frameworks for modeling biological systems

Session | Location: University of Graz, 11.01 - HS

17:00–17:20 **Regulatory Motifs in *C. elegans***

Speaker

Brandilyn Stigler

17:20–17:40 **BoolForge: Controlled generation and analysis of Boolean functions and networks**

Speaker

Claus Kadelka

17:40–18:00

Towards Complement-based Therapeutics: Opportunities for (Discrete) Mathematical Modeling

Speaker

Daniel Cruz

18:00–18:20

Prioritizing Control Strategies in Boolean Networks Using Mutation Scores and Network Modularity

Speaker

David Murrugarra

18:20

Friday 17 July

10:40

Discrete frameworks for modeling biological systems

Session | Location: University of Graz, 11.01 - HS

10:40–11:20 **Reproducible Boolean model analyses and simulations with the CoLoMoTo software suite**

Speaker

Denis Thieffry

11:20–11:40 **Using Canalizing Boolean Functions to Model Regulation in Mammalian Cell Division**

Speaker

Elena Dimitrova

11:40–12:00 **Structural Coherence Drives Cooperative Dynamics in Gene Networks**

Speaker

Pradyumna Harlapur

12:00