

Session Program

12-17 Jul 2026



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

***Reaction networks: Mathematical structures and concrete
biochemical systems***

University of Graz

Thursday 16 July

17:00

Reaction networks: Mathematical structures and concrete biochemical systems

Session | Location: University of Graz, 11.03 - HS

17:00–17:20

Existence of a unique non-degenerate solution to parametrized systems of generalized polynomial equations

Speaker

Abhishek Deshpande

17:20–17:40

Unbounded oscillations in the Selkov model of glycolysis with Michaelis-Menten kinetics

Speaker

Alan Rendall

17:40–18:00

Instabilities and pattern formation in distributive double phosphorylation

Speaker

Carsten Conradi

18:00–18:20

Asymptotic stability of delayed complex balanced reaction networks with general kinetics

Speaker

Gábor Szederkényi

18:20

Friday 17 July

10:40

Reaction networks: Mathematical structures and concrete biochemical systems

Session | Location: University of Graz, 11.03 - HS

10:40–11:00 Automatic initial estimates of reaction rate coefficients

Speaker

János Tóth

11:00–11:20 Turing instability in reaction networks with one diffusing species

Speaker

Maya Mincheva

11:20–11:40

Buffering Structures and Factorization of the Jacobi Determinant in Biochemical Reaction Networks

Speaker

Máté László Telek

11:40–12:00 Autocatalysis in Reaction Networks with Explicit Catalysis

Speaker

Richard Golnik

12:00