

Session Program

12-17 Jul 2026



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

Past, Present, and Future of Reaction Networks Theory

University of Graz

Monday 13 July

10:40

Past, Present, and Future of Reaction Networks Theory

Session | Location: University of Graz, 11.02 - HS

10:40–11:20 **An Invitation to Reaction Networks**

Speaker

Gheorghe Craciun

11:20–11:40 **Utilizing Structure in Monte Carlo Methods for Stochastic Reaction Networks**

Speaker

David Anderson

11:40–12:00 **Stochastic Reaction Networks: Definition, Classical Scaling and Long-Term Behavior**

Speaker

Daniele Cappelletti

12:00

Tuesday 14 July

17:00

Past, Present, and Future of Reaction Networks Theory

Session | Location: University of Graz, 02.23 - HS

17:00–17:20 **Multi-scale Models Arising in Chemical Reaction Networks**

Speaker

Lea Popovic

17:20–17:40 **Making Sense of Reaction Networks via Atoms and Inheritance**

Speaker

Murad Banaji

17:40–18:00 **Bifurcations of Equilibria in Mass-action Systems**

Speaker

Balázs Boros

18:00–18:20 **QSDs and Reaction Networks**

Speaker

Carsten Wiuf

18:20