

**Session Program**

12-17 Jul 2026



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

***Structural Approaches to the Dynamics of Chemical Reaction  
Networks***

University of Graz

## Tuesday 14 July

15:00

### Structural Approaches to the Dynamics of Chemical Reaction Networks

Session | Location: University of Graz, 11.02 - HS

15:00–15:20 **Manifold robust perfect adaptation and structural limits on steady-state reachability**

**Speaker**

Ankit Gupta

15:20–15:40

**Biological functions and functional modules originated in structure of chemical reaction network.**

**Speaker**

Atsushi Mochizuki

15:40–16:00 **Monomial parametrizations and absolute concentration robustness in reaction networks**

**Speaker**

Elisenda Feliu

16:00–16:20 **Cycling Reaction Network Robustness Analysis**

**Speaker**

Franco Blanchini

16:20

17:00

### Structural Approaches to the Dynamics of Chemical Reaction Networks

Session | Location: University of Graz, 11.02 - HS

17:00–17:20 **Structural properties and biological oscillators: ideas from strongly 2-cooperative systems**

**Speaker**

Giulia Giordano

17:20–17:40 **The structural concept(s) of cores in reaction networks**

**Speaker**

Nicola Vassena

17:40–18:00 **Non-monotonic dose-response curve in biochemical systems**

**Speaker**

Polly Yu

18:00–18:20 **A Structural Approach to Identifying Indicator Species in Chemical Reaction Networks**

**Speaker**

Yong-Jin Huang

18:20