

Session Program

12-17 Jul 2026



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

***Mechanochemical modelling of patterning in developmental
systems***

University of Graz

Friday 17 July

10:40

Mechanochemical modelling of patterning in developmental systems

Session | Location: University of Graz, 02.23 - HS

10:40–11:00

Cellular nematic order and topological defects shape morphogen patterns

Speaker

Diana Khoromskaia

11:00–11:20

Oscillator coupling separates morphogenesis and patterning into two developmental modules

Speaker

James Hammond

11:20–11:40

Image-based modelling explains variability in morphogen diffusion measurements

Speaker

Yi Ting Loo

11:40–12:00

Collisions, Shape and Stigmergy: Modelling the Collective Organisation of ECM

Speaker

Omar El Oakley

12:00