

Session Program

12-17 Jul 2026



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

***Cell Migration Across Scales – exploring different
mathematical frameworks***

University of Graz

Monday 13 July

10:40

Cell Migration Across Scales – exploring different mathematical frameworks

Session | Location: University of Graz, 01.22 - HS

10:40–11:20

From Cell Alignment to Axonal Pathfinding: Mechanics as a Guidance Cue

Speaker

Chiara Giverso

11:20–11:40

Bayesian parameter inference of stochastic two-population cell movement models with spatial statistics

Speaker

Duncan Martinson

11:40–12:00

A Physiologically Based Pharmacokinetic (PBPK) Model of Whole-Body CAR T-Cell Trafficking in Humans

Speaker

Elio Campanile

12:00

15:00

Cell Migration Across Scales – exploring different mathematical frameworks

Session | Location: University of Graz, 01.22 - HS

15:00–15:20

Multiscale modelling of cancer invasion and metastasis: the effects of tumour heterogeneity

Speaker

Dimitrios Katsaounis

15:20–15:40

The biomechanics of the single cell-ECM interaction during migration

Speaker

Nicolas Louviaux

15:40–16:00

Heterogeneous elastic wires: a toy model for biological membranes

Speaker

Gaspard Jankowiak

16:00–16:20

Towards optimal scaffolds for cell migration

Speaker

Luigi Preziosi

16:20