

**Session Program**

12-17 Jul 2026



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

***Temporal Fluctuations in the Tumor Microenvironment and  
Their Influence on Cancer Progression***

University of Graz

# Thursday 16 July

17:00

## Temporal Fluctuations in the Tumor Microenvironment and Their Influence on Cancer Progression

Session | Location: University of Graz, 62.01 - HS

17:00–17:20

### Exploring the connection between hypoxia and intra-tumour heterogeneity through mathematical modelling

Speaker

Giulia Celora

17:20–17:40

### The role of hypoxic memory on tumor invasion under cyclic hypoxia

Speaker

Dr Gopinath Sadhu

17:40–18:00

### Population-level and agent-based models for a quantitative understanding of the tumor-immune interaction

Speaker

Jason Thomas George

18:00–18:20

### Growth and adaptation mechanisms of tumour spheroids with time-dependent oxygen availability

Speaker

Ryan Murphy

18:20