

Session Program

12-17 Jul 2026



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

***SMB MathOnco Subgroup Mini-Symposium: Emerging
Themes in Mathematical Oncology***

University of Graz

Thursday 16 July

10:40

SMB MathOnco Subgroup Mini-Symposium: Emerging Themes in Mathematical Oncology

Session | Location: University of Graz, 15.04 - HS

10:40–11:00 **A quantitative and phenotype-resolved model for melanoma cell populations**

Speaker

Keith Chambers

11:00–11:20 **Stochastic Optimization of the Evolutionary Race between Pathogens and Clinicians**

Speaker

Linh Huynh

11:20–11:40 **Oncolytic Virotherapy: Mathematical Analysis and Optimization**

Speaker

Negar Mohammadnejad

11:40–12:00

Agent-Based Modeling of Tumor-Immune Interactions and Therapeutics in the Tumor Microenvironment

Speaker

Kerri-Ann Norton

12:00

15:10

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15:10–15:30

A Multiscale Mathematical Framework for Modeling Ductal Deformation in Early Pancreatic Neoplasia

Speaker

Daniel Bergman

15:30–15:50 **Mechanistic learning for spatio-temporal brain tumor response predictions**

Speaker

Sarah Brueningk

15:50–16:10

Mechanistic computational modeling of clonal dynamics in the aging hematopoietic system

Speaker

Thomas Stiehl

16:10–16:30 **Digital Twins in (Radiation) Oncology**

Speaker

Heiko Enderling

16:30