

Session Program

12-17 Jul 2026



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

Mathematical modelling of telomere dynamics

University of Graz

Thursday 16 July

17:00

Mathematical modelling of telomere dynamics

Session | Location: University of Graz, 02.23 - HS

17:00–17:20 **Modeling the role of oxidative stress in aging and its impact on female fertility**

Speaker

Ana Portillo

17:20–17:40 **Stochastic modelling of telomere length dynamics in cell populations with ALT survivors**

Speaker

Juan Mardomingo-Sanz

17:40–18:00

Stochastic Modeling of Telomere Shortening and Reconstruction and Connections with Carcinogenesis

Speaker

Marek Kimmel

18:00–18:20 **Mathematical modeling and parameter inference of telomere length regulation in yeast**

Speakers

Viviana Gavilanes, Zhou Xu

18:20