

Session Program

12-17 Jul 2026



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

***Mathematical Insights into Ageing, Evolution, and Cell
Dynamics***

University of Graz

Wednesday 15 July

11:10

Mathematical Insights into Ageing, Evolution, and Cell Dynamics

Session | Location: University of Graz, 15.11 - HS

11:10-11:30 **DNA replication and division cycles coordination in Escherichia coli**

Speaker

Alexandre Perrin

11:30-11:50

A scenario for an evolutionary selection of ageing: from biological observations to mathematical modelling

Speaker

Sylvie Méléard

11:50-12:10

2-phase model of ageing : Stability analysis of coupled non-linear partial differential equations with age structure

Speaker

Luce Breuil

12:10-12:30 **Crossing a fitness valley in age-structured populations**

Speaker

Sarah Kaakai

12:30