

Session Program

12-17 Jul 2026



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

***Multicellular Modelling and Simulation Tools - The OpenVT
Project***

University of Graz

Tuesday 14 July

10:40

Multicellular Modelling and Simulation Tools - The OpenVT Project

Session | Location: University of Graz, 02.01 - HS

10:40–11:20 Chaste: a computational framework for multicellular modelling

Speaker
James Osborne

11:20–11:40 Vivarium: a compositional framework for multiscale modeling

Speaker
Eran Agmon

11:40–12:00 Bringing biology to the browser with Artistoo

Speaker
Inge Wortel

12:00

15:00

Multicellular Modelling and Simulation Tools - The OpenVT Project

Session | Location: University of Graz, 02.01 - HS

15:00–15:20 CompuCell3D: Python-scripted open-source multiscale modeling framework

Speakers
James Glazier, Joel Vanin

15:20–15:40 Morpheus: User-friendly multiscale modeling

Speaker
Jörn Starruß

15:40–16:00 PhysiCell: multiscale modeling with a grammar

Speaker
Randy Heiland

16:00–16:20 PolyHoop & SimuCell3D: Open-source tools for high-resolution cell dynamics

Speaker
Roman Vetter

16:20