

Session Program

25-27 Sept 2024

From Multiscale Models to Digital Twins

Multiscale Models in Tissue Biology (Chair: Matthias Kaschube)

FIAS, Lecture Hall
Ruth-Moufang-Str. 1 60438 Frankfurt am Main

Wednesday 25 September

14:30

Multiscale Models in Tissue Biology (Chair: Matthias Kaschube)

Session | **Location:** FIAS, Lecture Hall, Ruth-Moufang-Str. 1 60438 Frankfurt am Main

14:30–15:15

True Medical Digital Twins and Multiscale Virtual Tissue Models of Health and Disease: Challenges and Opportunities

Speaker

James A. Glazier

15:15–16:00

Physical aspects of *Drosophila* gastrulation

Speaker

Konstantin Dobrewnski

16:00–16:30

Coffee Break

16:30–16:50

Mechanical Forces and Geometric Properties in Tissue Phase Transitions: Insights from Active Vertex Model

Speaker

Mohammad Salar Ghasemi Nasab

16:50–17:10

Development of a multiscale model of limb morphogenesis

Speaker

Tim Liebisch

17:15