



UNIVERSITÀ
DEGLI STUDI
DI MILANO



Fondazione
CARIPLO



LAKE COMO SCHOOL OF ADVANCED STUDIES

From Cells to Tissues: Models, Analysis and Applications 10-14 June 2024

Lecturers

Jocelyn Etienne (Centre National de la Recherche Scientifique)

How dynamic prestress governs the shape of living systems, from the subcellular to tissue scale

Dagmar Iber (ETH Zürich)

Epithelial Morphogenesis – from 3D cell shapes to 3D tissue shapes

Luigi Preziosi (Politecnico di Torino)

Multi-level mathematical models for cell migration in dense fibrous environments

Elisabetta Rocca (Università di Pavia)

Optimal control and asymptotics of diffuse interface tumour growth models

Juan Velázquez (Universität Bonn)

PDE models with free boundaries and kinetic equations in mathematical biology

Organising Committee

Luís Almeida (Centre National de la Recherche Scientifique)

Pasquale Ciarletta (Politecnico di Milano)

Tommaso Lorenzi (Politecnico di Torino)

Benoît Perthame (Sorbonne Université)

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**Politecnico
di Torino**

Dipartimento di Scienze
Matematiche "G. L. Lagrange"



**POLITECNICO
MILANO 1863**

DIPARTIMENTO DI MATEMATICA
DEPARTMENT OF EXCELLENCE 2023-2027



ESMTB

European Society for Mathematical
and Theoretical Biology



**FONDAZIONE
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