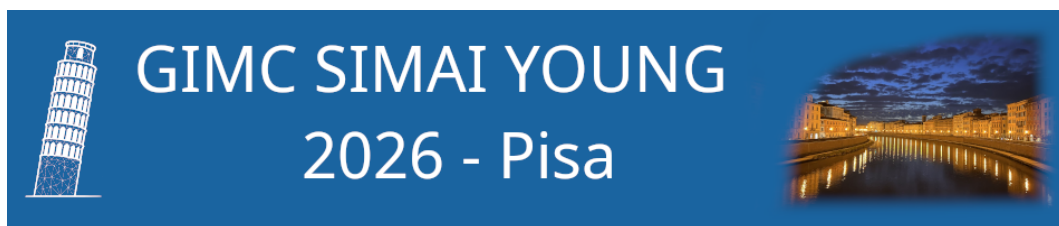


## **Session Program**

**3-5 Jun 2026**



## **GIMC SIMAI Young 2026**

### **MS18 - Modeling of Elastic Multiphase Structures for Bio-Mechanics**

Pisa

# Friday 5 June

09:00

## MS18 - Modeling of Elastic Multiphase Structures for Bio-Mechanics

Session | Location: Aula E

09:00-09:15

### A geometric surface PDE model for cell-nucleus translocation through confinement

**Speaker**

Francesca Ballatore

09:15-09:30

### The role of remodeling and of the interstitial fluid in the description of “boundary effects” in multicellular aggregates

**Speaker**

Andrea Pastore

09:30-09:45

### Stretch Reversal under Biaxial Loading in Fibre-Reinforced Soft Tissues

**Speaker**

Giulio Lucci

09:45-10:00

### Swelling phenomena in the vitreous body

**Speaker**

Alessandro Giammarini

10:00-10:15

### Periodic beading in damaged axons: the role of surface elasticity

**Speaker**

Francesco Magni

10:45