

## **Applied mathematical models for biological systems**

Scientific area: Computational Applied Mathematics

Biological systems are characterized by complex multiscale and hierarchical structures, ranging from the sub-cellular to the organ level. Specifically, the role of mechanical and thermal fields in such living systems has been proved to be fundamental in the overall emerging behavior. To this matter, we focus on the theoretical description of biological systems and on its computational counterpart, aiming at a comprehensive understanding of the experimentally observed underlying physics and at providing a framework to accelerate the research process in the field of biology. The goal of our mini-symposium is to bring together young researchers working in the field of applied and computational biomechanics to share ideas and insights on their works possibly developing new fruitful collaborations.

### **Organizers:**

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