

Online (remote) Seminar &
Demonstration

22 October 2024

14.00 - 16.00 hrs CET



OPTICS  life

I meeting del
Laboratorio



Quantifying Mechanics in Biology Made Easy with Pavone: the High-Throughput Mechanobiology Platform

by *Dr. Luca Bersanini and Dr. Giulia Pilia*

ABSTRACT

Pavone streamlines **high-throughput mechanobiology**, providing a versatile and user-friendly platform for measuring mechanical properties of biological samples. From single cells to tissues, Pavone's cutting-edge technology enables precise mechanical testing of stiffness and viscoelasticity, which are **crucial biomarkers in disease modeling and drug discovery**. With its unique capabilities, the platform offers the speed, resolution, and flexibility to assess the mechanics of biological materials, including 2D and 3D models such as spheroids and organoids. Whether addressing fibrosis, cancer, or tissue engineering, Pavone empowers researchers by translating micro-mechanical data to clinical outcomes and simplifying the integration of mechanobiology into pre-clinical research.

Evento su Teams [Partecipa alla riunione ora](#)