



UNIVERSITÀ
DEGLI STUDI
DI PADOVA



March 18th 19th and 20th 2024

Short course

**STRUCTURAL INVESTIGATIONS
of PROTEINS
by SINGLE-MOLECULE
BIOPHYSICS**

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Abstract:

Structural investigation of proteins is crucial for understanding human biology. Single-molecule biophysics is a discipline that studies the dynamics and interactions of individual biomolecules to understand how they carry out their functions in living cells. Throughout these lectures, students will hear about how the proteins operate at the nanoscale and learn new technologies that are at the cornerstone of modern scientific research

Day 1: 18th March 2024, Aula 2, Building B, 14.30-17.30

An introduction to theoretical knowledge

Day 2: 19th March 2024, Aula 2, Building B, 14.30-17.30

Example of application of single-molecule biophysics

Day 3: 20th March 2024, Aula Zancan, Building C, 09.30-11.30

Round Table and Evaluation Test

COURSE MOODLE PAGE:

<https://medicina.elearning.unipd.it/course/view.php?id=4486>

PASSWORD: proteins