



POSTDOCTORAL POSITION IN INTEGRATIVE STRUCTURAL BIOLOGY

Applications are invited for a postdoctoral position in protein biophysics and structural biology at the University of Pavia, Department of Biology and Biotechnology (The Armenise-Harvard Laboratory of Structural Biology, PI: Federico Forneris, PhD, <http://fornerislab.unipv.it>).

Position type and duration: full-time research fellowship, 2 years

Research topic: integrative structural biology characterization of human protein complexes involved in collagen biosynthesis.

Profile of the ideal candidate: PhD in protein biochemistry, with experience in protein structure determination (using X-ray crystallography and/or cryo-EM). Experience with biophysical methods for the study of protein:protein interactions (e.g., MST, SPR) and/or with recombinant protein production methods using eukaryotic cell cultures and/or with membrane protein purification will be a plus.

Start date: September 1st, 2021 (non-negotiable)

Net salary: approx. EUR 1800 per month

Facilities available: incubators and shakers for bacterial, insect cell and HEK293 cultures; 4 FPLCs for protein purification; HPLC with autosampler for FSEC and SEC-MALS; spectrophotometers; fluorimeters; plate readers for absorbance, fluorescence, luminescence, fluorescence polarization assays; super-centrifuges; crystallization robotics (Douglas Oryx and ARI Gryphon); 20 °C and 4 °C rooms for crystal storage with high-end stereomicroscopes; monthly access to European synchrotrons (ESRF, SLS, Diamond); DSF instrumentation (Nanotemper Tycho NT.6); MST instrumentation (Nanotemper Monolith); cell culture room with dedicated technician; fluorescence microscope for cellular investigations; multi-CPU and multi-GPU workstations for data processing; onsite access (within less than 200 meters) to facilities for SPR (Biacore T200), confocal microscopes, CD instrument, LC-HRMS (QTOF), TRIC (Nanotemper Dianthus), negative stain EM (JEOL JEM1200), cryo-EM (Glacios+Falcon3EC).

Application details: please enquire (federico.forneris@unipv.it)