

One post-doctoral position in Structural Biology - [Postdoc]

Workplace: Genova, IIT

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One post-doctoral position in structural biology applied to drug discovery is available at Istituto Italiano di Tecnologia within the Molecular Modeling and Drug Discovery Research Line, led by Dr. Marco De Vivo.

The foreseen tasks will be also carried out in the context of the project IG 2019 n. 23679 "Development of novel small molecules that inhibit the growth of early stage melanoma tumors" funded by AIRC (Foundation for Cancer Research in Italy).

The research activities will also involve a collaboration with the Lab of Dr. Marco Marcia, at the EMBL Grenoble - The European Molecular Biology Laboratory.

We are looking for candidates with experience in structural biology and biochemistry (protein expression, purification, crystallization and enzymatic assays). The selected candidate will play a key role in characterizing proteins and new inhibitors with potential for high-impact publications.

In the lab, as a member of a multidisciplinary team, the candidate will have the opportunity to perform experiments in one or more of the following areas:

- Protein crystallization and structure determination (X-ray, cryo-EM);
- Characterization of protein-protein and/or protein-ligand interaction using ITC, MST or SPR;
- Characterization of the activity and mechanism of action of small molecules *in vitro* using enzyme-based assays;
- Knowledge and hands-on experience in molecular biology techniques, such as cloning, site-directed mutagenesis, PCR, western blotting, etc;
- Be familiar with imaging techniques and with quantitative image analysis.

The successful candidate will work in a cutting-edge research environment. We are looking for a highly motivated Postdoc, with excellent analytical and communication skills. The ideal candidate must be able to work independently as well as collaboratively in a multidisciplinary team. The successful candidate must possess a sense of scientific curiosity, enjoy working in a team-oriented environment and be capable of mastering new experimental techniques, as required.

The ideal candidate must possess a PhD degree in one of the following areas: Chemistry, Biology, Biochemistry, Biophysics, Biotechnology or closely related fields, with a strong record of research productivity.

Successful candidate will be offered a competitive package commensurate to qualifications and experience.

Interested candidates should submit a cover letter including research accomplishments and interests, CV, names and contact information (e-mail, and phone number) of at least 2 professional referees to applications@iit.it quoting: "Application for post doc position in biochemistry and structural biology for drug discovery CB: 77917" in the email subject.

Application deadline is March 15, 2020.

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Your data will be processed by Istituto Italiano di Tecnologia, based in Genoa, Via Morego 30, acting as Data Controller, in compliance with the rules on protection of personal data, including those related to data security. Please also note that, pursuant to articles 15 et. seq. of European Regulation no. 679/2016 (General Data Protection Regulation), you may exercise your rights at any time by contacting the Data Protection Officer (phone +39 010 71781 - email: [dpo\[at\]iit.it](mailto:dpo[at]iit.it))

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