

Marta Massari

Date of birth: 18/03/1993
Place of birth: CASTEL SAN GIOVANNI (PC)
Nationality/ citizenship: Italy
Gender: Female
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Career Goal

I would like to further develop the knowledge in Structural Biology gained during my courses and thesis works (x-ray crystallography and small-angle scattering of flavoenzymes and NMR of metalloproteins) into framing specific problems in a general context, considering multi-disciplinarity as a primary need and trans-national collaboration as a requirement to become an expert in the field of structural chemistry applied to biological macromolecules.

Work experiences

Internship during studies | **Molecular Genetics Internship. Alpha-complementation of *E. coli* DH5alpha strain.**
24 hours at: Laboratorio di Genetica Molecolare (at University)

Academic studies

- 2017 | 2nd cycle degree - Master
Università degli Studi di PAVIA
Dipartimento di BIOLOGIA e BIOTECNOLOGIE
LM-8 - 2nd level degree in Industrial biotechnologies
Name of the course of study: CORSO DI LAUREA MAGISTRALE IN BIOTECNOLOGIE AVANZATE
Final degree mark: 110/110 cum laude
Thesis title: Structural studies on Baeyer-Villiger monooxygenases combining crystallographic and in silico models
Thesis subject: Structural Biology | Effort 10 months
- 2015 | 1st level degree - Degree
Università degli Studi di PAVIA
Dipartimento di BIOLOGIA e BIOTECNOLOGIE
L-2 - 1st level degree in Biotechnologies
Name of the course of study: BIOTECNOLOGIE
Final degree mark: 109/110
Thesis title: NMR spectroscopy as a tool for studying Protein Interactions with small molecule ligands
Thesis subject: NMR Spectroscopy | Effort 1 month
- 2012 | **SCIENTIFIC CERTIFICATE** at M. GIOIA , PIACENZA (PC)
School-leaving examination mark: 84/100
Italian secondary school diploma


Personal skills and competences

Professional skills	During my course of study I gained expertise in protein expression and purification, protein crystallization, enzymatic tests, DNA amplification (PCR), interpretation of NMR, EPR (base level), IR, mass and absorption spectra; I also gained various bioinformatic skills such as the interpretation of the crystallographic data (Suite Program CCP4) (base level) and the SAXS data (Program Suite PRIMUS), the use of programs to perform computational docking (Chemera, Harlem, Discovery Studio) and to analyze the three-dimensional protein structure (Chimera, Pymol, RasMol), the use of databases such as Protein Data Bank, UniProt and KEGG, the use of web servers such as SWISS-MODEL and Robetta for homology models generation.
Other skills	I was elected student representative at the Didactic Council of Biotechnology and the Department Council of Biology and Biotechnology (DBB) (from May 2014 to July 2017). During the two mandates I have been part of various commissions such as DBB Joint Commission, Tutoring Commission, Libraries Commission, Examination Commission of Biotechnologies Course.

Foreign language skills

Mother tongue | Italian

Europass classification - Europass level

	Overall	Understanding		Speaking		Writing
		Listening	Reading	Spoken interaction	Spoken production	
English	Good	B2 Independent	C1 Proficient	B2 Independent	B2 independent	C1 Proficient
French	Limited	A1 Basic	A2 Basic	A1 Basic	A1 Basic	A1 Basic

Europass classification is based on 6 increasing levels: A1, A2, B1, B2, C1, C2

Information technology skills

Generic skills	Operating systems: Excellent Electronic spreadsheet : Excellent Internet skills: Excellent	Word processing: Excellent Data base administrators: Good Multimedia: Excellent
Specific skills	Programming languages known: Visual basic 6, php, HTML	
Certifications	ECDL (European Computer Driving Licence) certificate	

Personal presentation

I am fascinated by Art and I go often to Art exhibitions, both local and in the cities I visit. I keep myself informed about scientific discoveries and novelties, not just of my field (for example, I am particularly interested in theoretical and experimental physics). I have a passion for basketball, which I have practiced since I was six years old. I have been in several teams and in each of these I have always been creating good relationships of friendship that I still maintain.

Driving licence | B