

## Curriculum Vitae

### Personal information

First name(s) / Surname(s) **Valeria Libera**  
 Address(es)  
 Telephone(s)  
 E-mail  
 Nationality  
 Date of birth /1994

### Work experience

Dates **11/2019 - on going**  
 Occupation **Ph.D. in Physics**  
 Ph.D. project *Photoinduced conformational changes in DNA G-quadruplex complexed with photosensitive ligands*  
 Name of employer **Università degli Studi di Perugia and University of Copenhagen**

Dates **05/2019 – 07/2019**  
 Occupation **Fellowship**  
 Project title *Spectroscopic characterization of photosensitive materials*  
 Name of employer **Università degli Studi di Perugia**

### Education and training

Dates **07/2019**  
 Name and type of organization/event **Attendance at the 5<sup>th</sup> Conference on Frontiers in Water Biophysics (FWB) (Erice, Italy)**  
**Poster: "Dynamics of proteins in glassy matrices along the path toward unfolding"**

Dates **07/2019**  
 Name and type of organization/event **Taking part in Experiment CRG 2536**  
 Project Title *Mean square Displacement and denaturation of disordered proteins*  
 Main Activities **Using the spectrometer IN13 (ILL Grenoble)**

Dates **02/05/2019**  
 Name and type of organization/event **Attendance at Colloquia Doctoralia: "Multiscale Approach for Hydrated Systems: from nanomaterials to perspectives for brain cancer treatments." Lecturer: Prof. Giancarlo Franzese (Institute of Nanoscience and Nanotechnology, Universitat de Barcelona). (Perugia, Italy)**

Dates **24/01/2019 - 28/01/2019**  
 Name and type of organization/event **Attendance at Colloquia Doctoralia: "X-ray pulses for time-resolved experiments on photosensitive systems Principle and instrumentation; ultrafast protein structural dynamics." (Perugia, Italy)**

Dates | 01/2017 – 07/2019  
 Title of qualification awarded | Master's Degree in Physics 110/110  
 Master's thesis title | *Dynamics of proteins in glassy matrices along the path towards unfolding*  
 Tutors | Prof. Alessandro Paciaroni and Dr. Lucia Comez  
 Name and type of organization providing education and training | Università degli Studi di Perugia

Dates | 01/2018 – 06/2018  
 Title of qualification awarded | Erasmus Project at *Université Grenoble Alpes*

Dates | 04/2018 – 05/2018  
 Name and type of organization/event | Taking part in Experiment CRG 2489.  
 Project Title | *Mean Squard Displacement and denaturation of Thermolysin in glassy matrices and in D<sub>2</sub>O*  
 Main Activities | Use of spectrometer IN13 (ILL Grenoble)

Dates | 10/2013 – 12/2016  
 Title of qualification awarded | Bachelor's Degree in Physics 110/110  
 Bachelor's thesis title | *Water diffusion in carbon nanotubes*  
 Tutor | Prof. Andrea Orecchini  
 Name and type of organization providing education and training | Università degli Studi di Perugia

Dates | 09/2008 – 07/2013  
 Title of qualification awarded | High school diploma 100/100 cum laude  
 Name and type of organization providing education and training | Liceo Scientifico "Raffaele Casimiri"

Dates | 08/2011  
 Name and type of organization/event | Intercontinental Exchange Program: exchange Project between High schools.  
 Hosting School | Brigidine College "St. Ives" (Sydney, Australia)

### Personal skills and competences

Mother tongue(s) | Italian

Other language(s) |

Self-assessment  
 European level (\*)

Language  
 Language

	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
ENGLISH	B2	B2	B2	B2	B2
FRENCH	B1	B1	A2	A2	A2

(\*) Common European Framework of Reference for Languages

Social skills and competences | Good communication, cooperation and teamwork skills. I increased these skills doing Scouts and playing volleyball.

Computer skills and competences | I have an intermediate knowledge of Python, Gnuplot, Origin, Tex and MS office.

Driving licence | B

**National and International  
Collaborations**

Dates	04/2018 – On going
Name and type of collaborating entity	Simone Capaccioli, Department of Physics, <i>Univeristà di Pisa</i> (Italy)
Project Title	<i>Study of Mean Squard Displacement and denaturation of disordered and thermostable proteins.</i>
Dates	02/2019 – On going
Name and type of collaborating entity	Giorgio Schirò, CNRS-Institut de biologie structurale (IBS), Grenoble (France)
Project Title	<i>Photoinduced conformational changes in DNA G-quadruplex complex with photosensitive ligands.</i>
Dates	04/2018 – On going
Name and type of collaborating entity	Mateus Webba da Silva, Biomedical Sciences Research Institute, University of ULSter (UK)
Project Title	<i>Encoding canonical DNA quadruplex structure.</i>