



**PERSONAL INFORMATION**


## Caterina Faffa

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Sex Female

Place and Date of birth Perugia (PG) 29/12/1990

Nationality Italian

**EDUCATION & TRAINING**

September 2004 – July 15th 2009

### High school Diploma

**PUBLIC SCIENTIFIC HIGH SCHOOL "GALILEO GALILEI"**

Via XIV Settembre 79, 06121, Perugia (PG)

Final mark: 100/100

October 2009 – February 18th  
2014

### Bachelor's Degree in Biotechnology (L-2 class)

**UNIVERSITÀ' DEGLI STUDI DI PERUGIA**

Department of Chemistry, Biology and Biotechnology

Via del Giochetto, 06121, Perugia (PG)

Final mark: 110/110 cum laude

Thesis: *"Survey about the correlation between the type of diet (omnivorous, vegetarian or vegan) and the composition of the human gut microbiota"*

March 2013 – February 2014

### Traineeship as researcher

Academic traineeship at Department of Pharmaceutical sciences "Dipartimento di Scienze Farmaceutiche", Università degli Studi di Perugia

Borgo XX Giugno 74, 06121, Perugia (PG)

Performed activities: in microbiological area (preparation of culture medium, spreading and isolation methods, optical microscope, cell counts, FTIR spectroscopy) and in molecular biology area (PCR, nucleic acids extraction, DNA agarose electrophoresis, protein DGGE electrophoresis)

January 2015

### Class "Winter School of Biotechnology"

**UNIVERSITÀ' DEGLI STUDI DI PERUGIA**

Department of Medicine and Surgery

Piazza Menghini 1, San Sisto (PG)

Class in English about the biotechnological research projects carried on by various research teams within Università degli Studi di Perugia, with talks by PhD students and University Professors from Università degli Studi di Perugia and from other associated research institutes.

February 2014 – Currently

### Master's Degree in Molecular and Industrial Biotechnology (LM-8 class)

**UNIVERSITÀ' DEGLI STUDI DI PERUGIA**

Department of Chemistry, Biology and Biotechnology

Via del Giochetto, 06121, Perugia (PG)

October 2015 – December 2015

### Traineeship as researcher

Academic traineeship at Department of Experimental medicine and Biochemical sciences "Dipartimento di medicina Sperimentale e Scienze Biochimiche", Università degli Studi di Perugia

Via del Giochetto, 06121, Perugia (PG)

Performed activities: in biochemical area (protein dosage by Bradford assay, spectrophotometry, western blotting, ion exchange chromatography)

December 2015 – Currently

### Advanced technical training in research and development of biotechnological products

**ITS UMBRIA MADE IN ITALY, INNOVAZIONE, TECNOLOGIA E SVILUPPO**
**Duration:**

1800 hours (1000 hours of theoretical and laboratory training – 800 hours of traineeship)

**Acquired skills:**

Fermentation techniques for biotechnology products; industrial processes for the production of bio-based products; knowledge of analytical techniques, instrumental methods, data acquisition techniques; knowledge in the cultural context in relation to national and EU legislation; origins and production of biomass; waste chain, recovery, reuse and recycling of materials.

October 2016 – December 2016

### Erasmus traineeship

**ICTP – CSIC: INSTITUTO DE CIENCIA Y TECNOLOGIA DE POLIMEROS – CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS**

Calle Juan de la Cierva, 3, 28006, Madrid

**Duration:**

2 months

**Acquired skills:**

Production and characterization techniques of biodegradable and renewable polymeric films, based on starch and PLA.

Production by: electrospinning, solvent-casting, extrusion.

Analysis by: stretching and bending tests, rheological analysis, DSC, TGA, optical microscopy, SEM, AFM, IR spectroscopy, RMN, Soxhlet extraction. 3D-printing 101.

January 2017 – Currently

### Traineeship ad researcher

**PROLABIN&TEFARM srl**

Via dell'Acciaio, 9, 06134, Ponte Felcino (PG)

**Duration:**

5 months

**Acquired skills:**

Synthesis and chemical-physical characterization techniques of lamellar solids (hydrotalcites and zirconium phosphates) and their applications in cosmetic, pharmaceutical, catalysis and nanotechnology areas;

training in analytical techniques as: DPRX, TGA, DSC, DTA, UV-vis spectroscopy, FTIR, ICP/OES, granulometry;

cooperation in tuning R&amp;D projects in the application areas of these materials.

## WORKING EXPERIENCE

March 2011 – October 2011

### Secretary

Project of part-time collaboration for students

At University language center: "Centro Linguistico d'Ateneo" (CLA), Università degli Studi di Perugia

Via Enrico dal Pozzo, 06121, Perugia (PG)

October 2013 – March 2014

### Collaborator in library

Project of part-time collaboration for students

At University library service center: Centro Servizi Bibliotecari, Biblioteca di Medicina Veterinaria, Università degli Studi di Perugia

Via S. Costanzo 4, 06121, Perugia (PG)

October 2013 – May 2015

### Secretary

At medical office Dr. Faffa Vincenzo

Via Arno 26, 06135, Ponte Vallecceppi (PG)

## PERSONAL SKILLS

Mother tongue Italian

Other languages English

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B2	B2	B2	B2	B2

**Study trip to Oxford, UK**

By study abroad agency "Master Studio"  
August 2007

**PET certification (Preliminary English Test) – level B1**

Final mark: Pass with merit  
At University of Cambridge ESOL Examinations  
March 2008

**FCE certification (First Certificate in English) – level B2**

Final mark: Grade C  
At University of Cambridge ESOL Examinations  
March 2009

**Digital competences**

Basic skills about:

- Operating systems (Windows 7/8/10), Microsoft Office tools (Word, Excel, Powerpoint) and browsers (Google Chrome, Mozilla Firefox, Internet Explorer)
- Data sharing tools (Google Drive, Google Docs, Dropbox), communication tools (Skype) and social networks (Facebook, Google+)
- Biological databases (NCBI, Ensemble, UniprotKB)
- References databases (Pubmed, Google Scholar)
- Patents databases (Google Patents, Espacenet)
- Data processing tools (Origin)
- DNA and protein sequences alignment tools (Fasta, Blast, BL2seq)
- Bibliography tools (Endnote)
- Video editor tools (Windows Movie Maker)

**Communication / organisational / managerial skills**

Relational and managerial skills acquired during the terms of academic traineeship and by other experiences as:

- seasonal collaborator as waitress at Albergo Ristorante Il Castellaccio (Strada Eugubina 345, 06134, Piccione – PG) during summer 2008;
- seasonal collaborator at bookshop Libreria Grande (Via Valtiera 229, 06135, Ponte San Giovanni – PG) during december 2009;
- tutor helping kids of high school to study Maths, since 2013 - currently;
- animator for kids of 13-15 years old in Ponte Valleceppi, since 2011 to 2015;
- coordinator of animators at summer center "GrEst" in Ponte Valleceppi and Pretola (PG) since 2015 – currently.

**Driving licence**

B2 – Car owner

**ADDITIONAL INFORMATION**
**Other interests**

Reading (novels, essays and scientific journals), playing sports (swimming, volleyball, figure skating, cycling, hiking), travelling, do-it-yourself and sewing, drawing and painting, listening and playing music (transverse flute).

The undersigned acknowledges that, according to article n. 26 of Law 15/68, false statements, falsified acts and use of false acts are punishable under the Penal Code and special laws. In addition, the undersigned authorizes the processing of personal data, as provided by Law 675/96 of 31 December 1996: "Protection of persons and other subjects regarding the processing of personal data".