

CURRICULUM VITAE

PERSONAL INFORMATION

Name, Surname: Davide Torre

Address:

Email:

Email 2:

Date of birth:

Nationality:

WORK EXPERIENCES

Research assistant

Date: Feb 2022 - Now

Training: Research and analysis of metabolites from tissue and cell cultures. Use of the main biology and biochemistry techniques and HPLC.

Address: University of Bologna- Department FaBiT, Via Irnerio 48 - BOLOGNA (BO) ITALIA

Business or sector: R&D and patents, biomedical

Temporary job

Date: 16 Oct 2021 – 30 May 2022

Position: Middle school substitute teacher

Address: Istituto Comprensivo C. Bassi Castel Bolognese - Via Giovanni XXIII, 86 - 48014 Castel Bolognese (RA)

Business or sector: Education

Temporary job

Date: 16 Oct 2020 – 10 Jun 2021

Position: Primary school substitute teacher

Address: Istituto Comprensivo C. Bassi Castel Bolognese - Via Giovanni XXIII, 86 - 48014 Castel Bolognese (RA)

Business or sector: Education

Note: Due to the worldwide situation, last year, I worked as math and science teacher in a primary school in my region. Although it was great to have this experience, I am still willing to follow an academic research career.

Temporary job

Date: 06 Oct 2020 – 15 Oct 2020

Position: Primary school substitute teacher

Address: Istituto Comprensivo Poviglio e Brescello - Via Mattei, 22 - 42028 Poviglio (RE)

Business or sector: Education

Internship

Date: Feb 2019 - Dec 2019

Training: Optimization of a protocol to evaluate the HAC loss rate in HT1080 cell lines. Research and analysis on HT1080 cell lines: development and treatment of cellular cultures, live-cell imaging, flow cytometry, PCR, Western Blot, Co-Immunoprecipitation, data elaboration.

Poster: Poster presentation at the Dunn School of Pathology, PhD symposium, on 28th June 2019 “Elucidating the Role of BRCA2 in the Chromosome Maintenance”

Address: Sir William Dunn School of Pathology, University of Oxford, South Parks Road, Oxford, OX1 3RE

Business or sector: R&D and patents, biomedical

Internship

Date: Sep 2015 - Jan 2016

Training: Research and analysis on human fibroblasts: development and treatment of cellular cultures, measurement of mitochondrial respiratory activities, determination of the total protein concentration, extraction and quantification of CoQ10 (Ubiquinone), data elaboration.

Address: University of Bologna- Department FaBiT, Via Irnerio 48 - BOLOGNA (BO) ITALIA

Business or sector: R&D and patents, biomedical

Internship

Date: Jun 2009 - Aug 2009

Training: Sample organization and preparation for further analysis. Preparation of culture medium.

Address: Istituto Zooprofilattico Sperimentale Bologna, Via Pietro Fiorini,5 - BOLOGNA (BO) ITALIA

Business or sector: Quality and security, food

EDUCATION

Master's degree in Cellular and Molecular Biology

Date: Oct 2017 - Mar 2020

Alma Mater Studiorum - University of Bologna - School of PHARMACY, BIOTECHNOLOGY and SPORT SCIENCE 2nd level degree – Master

Thesis title: “Exploring the role of BRCA2 in chromosome segregation: the exploitation of the Human Artificial Chromosome”.

Supervisors: Prof. Davide Carlo Ambrosetti, Prof. Fumiko Esashi, Dr. Lucia Rampazzo.

Final mark: 110/110 (magna cum laude)

Bachelor's degree in Biotechnology

Date: Oct 2012 – Mar 2017

Alma Mater Studiorum - University of Bologna - School of PHARMACY, BIOTECHNOLOGY and SPORT SCIENCE 1st level degree - Degree/Bachelor

Thesis title: “Effect of CoQ10 depletion on mitochondrial function in human fibroblasts”.

Supervisors: Prof. Romana Fato, Dr. Christian Bergamini.

Final mark: 99/110

Note: To support the university fees, I had to delay my studies and find odd jobs (Mar 2016 - Jan 2017). However, my goal was always to continue in the field of research. As soon as I managed to solve these issues, I invested and dedicated myself in completing the bachelor course.

High school diploma: Technical institute (biological health)

Date: Sep 2007 - Jun 2012

Italian secondary school diploma.

Address: Istituto Tecnico "Saffi/Alberti" - Via Filippo Turati, 5 - 47121 Forlì (FC)

Final mark: 72/100

PERSONAL SKILLS

Communication skills: I feel confident in team-working, I am open to collaboration and debate. During my studies I have always been propositive and active and in the academic years 2010/2011 and 2011/2012 I was elected by the school students as school representative. I am good at public speaking.

Organisational/managerial skills: Due to both school and volunteer experience I improved my problem solving, organisation and management skills, I am always ready to listen to other people and I am open-minded to new ideas.

Job-related skills: During my internship experiences I developed a very good ability in using laboratory instrumentations and techniques. In particular:

Cellular Biology and Biochemistry: sterile culture of several cell lines, DNA transfection, recombinant protein expression and purification, total protein quantification, SDS-PAGE and western blot, Co-immunoprecipitation, immunofluorescence.

Molecular biology: DNA and RNA extraction, agarose gel electrophoresis, PCR.

Instrumentation: Knowledge and good use of the main laboratory instruments, high-performance liquid chromatography (HPLC), oxygraph (Clark electrode), spectrophotometer, flow cytometer, confocal microscope.

Digital competence: A good use of all basic informatic functions and the MS office package, during my university studies I attended basic python and HTML courses.

Mother tongue: Italian

Foreign language: English - Listening C1 Reading C1 Spoken interaction B2 Spoken production B2 Writing B2

Other skills: I achieved different qualifications in disparate fields: 'Effective referee' FIGC at Italian Referee Association (AIA) of Bologna, 'Lifeguard along the sea coast and swimming pool' at Genoa Association.

I hereby authorize the processing of the personal data contained in this CV in compliance with the European Regulation (UE) 2016/679.