



# ELISA PAOLIN

## Master's Degree in Chemistry

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- ♀ 17/11/1991

## PROFESSIONAL SKILLS

- Research Activities
- Analytical Chemistry: UV/Vis, IR, Raman, Fluorescence, Quantum Yield, GC-MS, HPLC-MS, Sephadex Column, SEM, TEM, NMR, X-Ray
- Physical Chemistry
- Organic Chemistry: Synthetic Methods
- Pharmaceutical Chemistry: PAMPA, MTT-Assay
- Biotechnology, Biochemistry
- Genetics
- Nanotechnology, Nanoparticles: Synthesis
- Polymers
- Chemometrics, Data Analysis

## SOFT SKILLS

- Acting as a team player
- Independent
- Determined
- Empathic and tactful
- Know how sharing
- Accurate and organized
- Problem determination and solving
- Creative thinking
- Supportive
- Writing skills

## DIGITAL SKILLS

Word, Excel, PowerPoint, LaTeX, Prism

## LANGUAGES

- Italian, Mother tongue
- English

## DRIVING LICENSE

B with own car

## TRAVEL

Availability

## RELOCATION AVAILABILITY

Europe



## ABOUT ME

Curious, fond of science and with the need to remain constantly updated and stimulated through insights, new studies and challenges. For these reasons, I would like to pursue an intense, satisfactory and full of short and long-term goals career. In particular, I am interested in:

- everything concerning the research, synthesis and development of a new product
  - the study, design and execution of an analytical process
- all tasks capable of combining theoretical and practical aspects, as well as steadily leading to new challenges.



## EXPERIENCE

### R&D Science Manager

Rigenera HBW srl – Candiolo (Turin) | 06/2021 - Present

Research and experimental development of new medical devices for regenerative medicine. Coordinating Research Project with national and international entities. Contribution to writing, ghostwriting and reviewing scientific papers.

### R&D Internship

Department of Biotechnology - University of Turin | 06/2020 - 12/2020

Synthesis and characterization of nanoparticles (carbon dots) used as delivery system for a photosensitizer (squaraine) active as photodynamic therapy agent, to promote its use as cancer treatment.

### QC Curricular Internship

BASF – Villanova D'Asti (Asti) | 09/2019 - 10/2019

Analytical quality control of raw materials and finished products. Researching and optimization of a new detection method through potentiometric titration.



## EDUCATION

### Executive PhD Candidate – Program in Bioengineering, Bioinformatics and Health technologies

University of Pavia | October 2021 - Present

### Master's Degree in Clinical, Forensic and Sport Chemistry

University of Turin | December 2020

Thesis: "Carbon nanodots-squaraine conjugates as photodynamic therapy agents"

Advisor: Sonja Visentin

Final Mark: 110/110

### Bachelor's Degree in Chemistry and Technological Chemistry

University of Turin | October 2018

Thesis: "Inorganic copper pigments in art paintings: an analytical study"

Advisor: Eliano Diana

Final Mark: 91/110



## CERTIFICATIONS

### School of Electrochemistry, Photochemistry and Photophysics of Organic, Inorganic & Hybrid Materials

NOAH-INFUSION

October 26-29<sup>th</sup>

Organizing Committee: Barbara Ventura, Ilse Manet, Gemma Aragay



## HOBBIES & INTERESTS

Reading books (sci-fi, crime and novels), writing, listen to music (especially the one played by composers), playing the piano, travelling, biking, trekking, walking, swimming and aerial silk.



## PERSONAL DETAILS

I hereby authorize the use of my personal data in accordance to the GDPR 679/16 - "European regulation on the protection of personal data".