



**Sofia**  
Moroni

DATE OF BIRTH:

[Redacted]

## CONTACT

Nationality: [Redacted]

Gender: [Redacted]



[Redacted]



[Redacted]



[Redacted]

LinkedIn: [Redacted]

[Redacted]

## EDUCATION AND TRAINING

22/07/2020 - Urbino, Italy

### Qualification to Practise as Pharmacist

University of Urbino, Carlo Bo

2014 - 2020 - Urbino, Italy

### Master's Degree in Pharmaceutical Chemistry and Technology

University of Urbino Carlo Bo

#### Field(s) of study

- Pharmaceutical Chemistry and Technology

108/110 | "Platelet Membrane-Cloaking of Nanoparticles for Targeting Inflammation in Heart Diseases." | <https://www.uniurb.it/>

04/2019 - 10/2019 - Helsinki, Finland

### Visiting Research Student

University of Helsinki (FI)

#### Techniques used

- Preparation of lignin nanoparticles through dialysis bag
- Isolation of platelet's membrane
- Coatings of nanoparticles with tannic acid and platelets' membranes through sonication and extrusion

#### Characterization of nanosystems developed

- Evaluation of the hydrodynamic diameter, polydispersity index and surface charge using Dynamic Light Scattering (DLS)
- Study of the morphology with transmission electron microscope (TEM) and scanning electron microscope (SEM)
- Evaluation of the loading degree and encapsulation efficiency with HPLC
- Study of the colloidal stability in different buffers using DLS
- Cytocompatibility in vitro on embryonic rat myoblasts cells (H9C2) and human coronary artery endothelial cells (HCAEC) using CellTitr Glo test with Varioskan
- Qualitative and quantitative imaging of the uptake of nanoparticles with HCAEC cells using flow cytometer and confocal microscope
- Drug release studies performed with HPLC
- Evaluation of the thermal behavior of the drug using Differential Scanning Calorimetry (DSC)

#### Field(s) of study

- Nanotechnology
- Drug Delivery Systems
- Cardiovascular Diseases

<https://www.helsinki.fi/en/researchgroups/nanomedicines-and-biomedical-engineering>

11/2018 - 11/2019 - Falconara Mma, Italy

### Curricular Internship in a Pharmacy

Pharmacy "Le Ville"

900 hours as a sales assistant and as a preparatory pharmacist in the galenical laboratory.

**02/2018 - 07/2018** - Porto, Portugal

● **Visiting Student**

Universidade do Porto

Classes attended in Portuguese and exams completed in English and Portuguese.

30 CFU | [https://sigarra.up.pt/ffup/pt/web\\_page.inicial](https://sigarra.up.pt/ffup/pt/web_page.inicial)

**2009 - 2014** - Jesi, Italy

● **High School Diploma**

Liceo Scientifico Statale Leonardo Da Vinci

**Field(s) of study**

- Languages

## LANGUAGE SKILLS

**MOTHER TONGUE(S):** Italian

### English

Listening  
**C1**

Reading  
**C1**

Spoken  
production  
**C1**

Spoken  
interaction  
**C1**

Writing  
**C1**

### Spanish

Listening  
**C1**

Reading  
**C1**

Spoken  
production  
**C1**

Spoken  
interaction  
**C1**

Writing  
**C1**

### Portuguese

Listening  
**C1**

Reading  
**C1**

Spoken  
production  
**C1**

Spoken  
interaction  
**C1**

Writing  
**C1**

### French

Listening  
**B2**

Reading  
**B2**

Spoken  
production  
**B2**

Spoken  
interaction  
**B2**

Writing  
**B2**

## DIGITAL SKILLS

Microsoft office(WordExcel Powerpoint Outlook) | Origin Pro

## DRIVING LICENCE

● Driving Licence: **B**

## COMMUNICATION AND INTERPERSONAL SKILLS

### Skills

I am an extremely motivated and curious girl. Thanks to several experiences abroad I have improved my communication skills and I have learned to interact and collaborate with people from different countries. My positive attitude makes me independent and able to solve problems.