

EDUCATION AND TRAINING

01/11/2024 – CURRENT Roma, Italy

PhD student Sapienza University of Rome

Eligibility for admission to PhD courses at La Sapienza University of Rome 2023/2024 - 39th cycle

2021 – 2022 Rome, Italy

Master's degree Sapienza University of Rome

Master's degree with final training at La Sapienza University of Rome, laboratory internship is "Preparation of (-)-parthenolide: study of oxidation of a main intermediate"

Field of study Chemistry | **Final grade** 104/110 | **Level in EQF** EQF level 8 | **Thesis** (-)-parthenolide: study of oxidation of a major intermediate

2017 – 2020 Rome, Italy

Bachelor's degree Sapienza University of Rome

Field of study Chemistry | **Final grade** 98/110 | **Level in EQF** EQF level 7 | **Thesis** Application of (NMR) spectroscopy on food matrices

2012 – 2017

High school Diploma Liceo Classico Statale Giulio Cesare

Level in EQF EQF level 6

WORK EXPERIENCE

01/02/2024 – 31/01/2025 Rome

University research assistant Sapienza Università di Roma

Award of a one-year grant for the research activity related to the project entitled: "Synthesis of cyclobutanol derivatives; research area: Asymmetric synthesis (CHIRAL) Chemistry (referee professor Patrizia Gentili).

LANGUAGE SKILLS

MOTHER TONGUE(S): Italian

Other language(s):

English

Listening B2

Spoken production B2

Reading B2

Spoken interaction B2

Writing B1

French

Listening A2

Spoken production A2

Reading A2

Spoken interaction A2

Writing A2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

PUBLICATIONS

- **Principal author: Rendeli, D.; co-authors: D'Acunzo, F., Di Sabato, A. Panzetta, E., Vetica, F. and Gentili P., Enantioselective Norrish-Yang Photocyclization of 2-(Hydroxyimino)aldehydes in In The Second Symposium for YouNg Chemists: Innovation and Sustainability (SYNC 2024). Poster**
- **Principal author: Celio, L.; Principal author: Leonelli, F., Marcheto, M., Rendeli, D., Vetica, F., & Migneco, L. M. (2022). Enantio and diastereoselective total synthesis of (-)-parthenolide. In The First Symposium for YouNg Chemists: Innovation and Sustainability (SYNC 2022). Poster.**
- **Principal author: Celio, L.; co-authors: Rendeli, D., Di Paolo, J., Vetica, F., Migneco, L. M., & Leonelli, F. (2023), Total synthesis of (-)-parthenolide through stereoselective approach, In XLI Convegno Nazionale della Divisione di Chimica Organica, CDCO Roma 2023. Poster**
- **Principal author: Celio, L.; co-authors: Marcheto, M., Rendeli, D., Vetica, F., Migneco, L. M., & Leonelli, F. (2022). Total synthesis of (-)-parthenolide through stereochemical control. In XL Convegno Nazionale della Divisione di Chimica Organica, CDCO Palermo 2022. Poster**
- **Principal author: Celio, L.; co-authors: Marcheto, M., Rendeli, D., Vetica, F., Migneco, L. M., & Leonelli, F. (2022). Stereoselective total synthesis of (-)-parthenolide. In Ischia Advanced School of Organic Chemistry, IASOC 2022. Poster**
- **• Principal author: Rendeli, D.; co-authors: D'Acunzo, F., Di Sabato, A. Panzetta, E., Vetica, F. and Gentili P., Enantioselective Norrish-Yang Photocyclization of 2-(Hydroxyimino)aldehydes in In The Second Symposium for YouNg Chemists: Innovation and Sustainability (SYNC 2024). Poster**

DIGITAL SKILLS

Microsoft Office | Microsoft Excel | Microsoft Powerpoint

CHEMICAL ANALYSIS SOFTWARES

Mestre Nova (NMR) | Top spin NMR | Chemdraw

SKILLS

Instrumental skills

During the internship I had the opportunity to use

- FTIR spectrometer, with instrument knowledge and spectrum interpretation
- Gas chromatography coupled with mass spectroscopy, with electronic impact source and quadrupole analyser, with instrument study and spectral interpretation
- Nuclear magnetic resonance, 400 MHz, with instrument knowledge and spectrum interpretation
 - ¹H
 - ¹³C
 - Two-dimensional, HMBC, HSQC

Personal Skills and competences

I like to work in a group that allows me to compare myself with other professionals; I also like to work facing new challenges and pursuing goals that I accomplish on time.