

Dario Rendeli

WORK EXPERIENCE

University research assistant

Sapienza Università di Roma [01/02/2024 – 31/01/2025]

City: Rome

Award of a one-year grant for the research activity related to the project entitled: Asymmetric synthesis studies and proposals on cyclobutanol derivatives; research area: Asymmetric synthesis (CHIM/06) to be held at the Department of Chemistry (referee professor Patrizia Gentili).

EDUCATION AND TRAINING

PhD student

Sapienza University of Rome [2024 – Current]

City: Roma | Country: Italy | Field(s) of study: Organic Chemistry

I'm working in the laboratory of Deborah Quaglio on synthesis of macrocycles for sensor development.

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

Master's degree

Sapienza University of Rome [2021 – 2022]

City: Rome | Country: Italy | Field(s) of study: Natural sciences, mathematics and statistics: • Chemistry | Final grade: 104/110 | Level in EQF: EQF level 8 | Thesis: (-)-parthenolide preparation: study of the oxidation of a major intermediate

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

Bachelor's degree

Sapienza University of Rome [2017 – 2020]

City: Rome | Country: Italy | Field(s) of study: Natural sciences, mathematics and statistics: • Chemistry | Final grade: 98/110 | Level in EQF: EQF level 7 | Thesis: Applications of Nuclear Magnetic Resonance (NMR) spectroscopy on food matrices

High school Diploma

Liceo Classico Statale Giulio Cesare [2012 – 2017]

Level in EQF: EQF level 6

LANGUAGE SKILLS

Mother tongue(s): Italian

Other language(s):

English

LISTENING B2 READING B2 WRITING B1

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

French

LISTENING A2 READING A2 WRITING A2

SPOKEN PRODUCTION A2 SPOKEN INTERACTION 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

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
 - ^{13}C
 - 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.