

CV date

15/07/2026

**PERSONAL INFORMATION**

First name Enrico  
Family name Sfreddo  
Gender Male  
Nationality Italian  
Birth date 25/02/1999  
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ORCID number <https://orcid.org/0009-0004-2505-5005>  
Membership Italian Chemical Society (January 2025 - present)  
Languages **Italian** (native), **English** (professional proficiency)

**PROFESSIONAL STATUS**

|                         |                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01/11/2024 - Present    | <b>PhD student at University of Bologna (Italy)</b><br>supervisor: Prof. Paolo Melchiorre                                                                                                                                                                                                                                                 |
| 01/04/2022 - 30/09/2022 | <b>Guest researcher</b> (UnitTs) – Period spent in the group of Prof. Federico Berti, Fulvia Felluga and Fabio Benedetti with the following tasks: <ul style="list-style-type: none"><li>• Synthesis of new potential inhibitors of HDAC and BACE-1 enzymes</li><li>• Synthesis of fluorescent probes with imaging applications</li></ul> |
| 01/05/2021 – 30/06/2021 | <b>Intern at Harpo s.p.a. (Trieste, Italy)</b><br>Chemical-Physical analysis of different inorganic substrates                                                                                                                                                                                                                            |

**ACADEMIC FORMATION**

|                              |                                                                                |                   |
|------------------------------|--------------------------------------------------------------------------------|-------------------|
| PhD                          | Università di Bologna                                                          | 11/2024 - present |
| Master degree in Chemistry   | Università di Bologna “Alma Mater Studiorum” (Italy), 110/110 <i>cum laude</i> | 2024              |
| Bachelor degree in Chemistry | Università degli Studi di Trieste (Italy), 104/110                             | 2022              |

**1. Publications**

- 1) Mallik, S.; Sfreddo, E.; Wang, H.; Melchiorre, P. Radical Pathways for 2,4-Chromandione Synthesis *via* Photoexcitation of 4-Hydroxycoumarins. *Chem. Sci.* **2025**, 16, 124–129.
- 2) Sfreddo, E.; Durdevic, A.; Palone, A.; von Munchov, T.; Matera, N.; Mazzanti, A.; Melchiorre, P. Stereoretentive Norrish–Yang Photocyclization Mediated by Hydrogen Bonding. *J. Am. Chem. Soc.* **2026**, 26, 27060–27065

## 2. Congresses

### Invited Speaker

- 1) Eurac Research, Institute of Biomedicine (4-5/11/2022) - Participation at the EPIC Interreg IT-AT Partner Workshop as an invited speaker. The title of the given presentation was: "Design and synthesis of HDAC-active molecules: from MEF2/HDAC inhibitors to Biginelli derivatives targeting the foot pocket".

## 5. Supervision of students

**2022:** Leonardo Milos, Bachelor's Chemistry student (UniTS). Topic: *Synthesis of new potential inhibitors of HDAC*.

**2022:** Rachele Valeri, Master student from Pharmacy Department (UniTS). Topic: *Preparation of Self-Assembling Dendrimers with pharmaceutical applications*.

## 7. Skills

### Chemistry:

Multi-step synthesis, asymmetric catalysis, synthesis and characterization of organic and inorganic compounds, air-free techniques, kinetic experiments, crystallization, pressurized reactor systems for hydrogenation, free radical chemistry, and HAT reagents;

Spectroscopic and analytical methods (NMR, IR, UV, GC-MS, HPLC, SFC, LFP);

### IT:

Scientific softwares (ChemDraw, MestReNova, TopSpin, Scifinder, Reaxys, Mendeley, Zootero,);

General softwares (Microsoft Office).

### Personal:

Leadership, teamwork, problem solving, critical thinking.

## 8. References

Prof. Dr. Paolo Melchiorre - Department of Industrial Chemistry "Toso Montanari", Università di Bologna, Italy  
E-mail: [p.melchiorre@unibo.it](mailto:p.melchiorre@unibo.it)

Prof. Dr. Fulvia Felluga - Department of Chemical and Pharmaceutical Science, Università degli Studi di Trieste, Italy  
E-mail: [ffelluga@units.it](mailto:ffelluga@units.it)

Prof. Dr. Federico Berti - Department of Chemical and Pharmaceutical Science, Università degli Studi di Trieste, Italy  
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