# ILARIO BAÙ

PHD CHEMIST

## PERSONAL DATA


05/05/1997

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ilariobau@gmail.com

Bologna


## LANGUAGES

English (B2)
German (A1)

## SKILLS

- Public Relations
- Teamwork
- Leadership
- Effective Communication
- Excellent use of Office

## CONGRESS AND SCHOOL

### 2022

Cagliary University
- 1st ISC Summer School

Padua University
- Scuola GIRSE 2022

### 2023

Cagliary University
- SuprachemDays2023
  Winner of Best poster prize

Bologna University
- XIII National conference of GIRSE

## OTHER EXPERIENCE

2022-2024: Conoscere la chimica

2007-2017: Scouting in AGESCI

## EXPERIENCE

Free Radical Chemistry Group, UniBo — 01/11/2024 – Present
Research Fellows

- Post PhD Training
- Refined the analytic techniques as EPR and Organic Synthesis
- Working with high value chemicals

NanoBio Interface Lab, UniBo — 01/09/2019 – 01/10/2019
Junior Chemist

- Post Bachelor degree Training
- Refined the analytic techniques as electrophoresis and Lc-Ms
- Working with high value chemicals

## EDUCATION

PhD in Chemistry — 2021- 2024
Free Radical Chemistry Group, UniBo

- Develop and execute full organic synthesis and find new strategies to get designed radical products.
- Lead, mentor, and manage students team, fostering a collaborative and wellness-driven work environment.
- Use of Reaxys, Sci-Finder and Chemdraw.
- NMR, GC-MS, HPLC, EPR

Visiting PhD Student — January-June 2024
Goldup Lab, University of Birmingham

- Synthesis of functionalized Crown-Ethers
- Synthesis of Chiral Molecular Interlocked Machines
- Characterizations with NMR, LC-MS, IR, GC-MS...

Master Degree: Chimica — 2016-2019
Dipartimento di chimica G.Ciamician, UniBo

- Curriculum A- Metodologie di sintesi e chimica bio-organica .
- Thesis: “Studio della sintesi e del comportamento epr di una macchina molecolare basata su un etere corona paramagnetico” .

Bachelor Degree: Chimica e Chimica dei Materiali
Dipartimento di chimica G.Ciamician, UniBo

- Curriculum - Chimica
- Thesis: “Cationizzazione di bsa come strategia per targeting in terapia fotodinamica antibatterica”.