

PERSONAL INFORMATION

Gabriele Lupidi



WORK EXPERIENCE

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- 04/12/2017–14/12/2017 Tutor of Organic Chemistry 2 (Laboratory)
University of Camerino, Camerino (Italy)
25 hours of practical laboratory course of Organic Chemistry 2 for the third year course in Chemistry.
- 13/02/2017–24/02/2017 Tutor of Organic Chemistry 1 (Laboratory)
University of Camerino, Camerino (Italy)
30 hours of practical laboratory course of Organic Chemistry 1 for the second year course in Chemistry.
- 12/01/2017–21/01/2017 Tutor of Food Chemistry (Laboratory)
University of Camerino, Camerino (Italy)
20 hours of practical laboratory course of Food Chemistry for the second year course in Chemistry.

EDUCATION AND TRAINING

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- 15/01/2018–18/07/2018 Visiting Ph.D. Student at UPMC
Université Pierre et Marie Curie, under the guidance of Prof. Giovanni Poli, Paris (France)
The research performed at Université Pierre et Marie Curie (UPMC) is focused in the selective C-H functionalization of furfural and furfural derivatives by directed metallation.
- 12/2015–03/2019 PhD Student in Chemical and Pharmaceutical Sciences and Biotechnology at UNICAM
University of Camerino (Italy), under the guidance of prof. Enrico Marcantoni
The research is focused in three main topics: selective functionalization of cyclodextrins as human receptor mimics, formation of thiazole rings from acyclic precursors and platinum nanoparticles catalyzed hydrogenation reactions.
- 10/2013–10/2015 Master Degree in Chemistry and Advanced Chemical Methodologies at UNICAM
University of Camerino, Camerino (Italy)
Grade: 110/110 cum laude.

Main topics covered: Organic Chemistry, Inorganic Chemistry Environmental Chemistry, Physical Methods in Chemistry.

Thesis title: "New synthetic approach to 1,4-asymmetrically functionalized B-cyclodextrins as drug carriers and receptor mimics" under the guidance of Prof. Enrico Marcantoni.
- 09/2014–02/2015 Master Degree in Chemistry at IST

Instituto Superior Técnico, Lisbon (Portugal)

Grade: 18/20

Master degree in Chemistry, obtained within the Double Degree Programme.

Main topics: Medicinal Chemistry, Pharmaceutical Chemistry, Industrial Chemistry, Photochemical Processes.

 10/2009–04/2013 Bachelor in Chemistry at UNICAM
 University of Camerino, Camerino (Italy)
 Grade: 110/110 cum laude

Main topics: Analytical Chemistry, Organic Chemistry, Physical Chemistry, Inorganic Chemistry.

Thesis title: "Biologically Active Small Molecules: Eco-sustainable Strategy for the Synthesis of Omega-3" under the guidance of Prof. Enrico Marcantoni

PERSONAL SKILLS

Mother tongue(s) Italian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2

Preliminary English Test (PET) - B1

 Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills

- Very good communication and leadership skills gained through my experience in mentoring undergraduate Master and Bachelor trainees.
- Aptitude to adapt in a multicultural environment acquired in my foreign experiences, especially working with people from different countries.
- Aptitude to create a positive and team-oriented environment.
- Good organisational skills due to the independent management of more than one research project simultaneously.

Job-related skills

- Mastery of common laboratory equipment and microwave reactors.
- Experience using common purification techniques (chromatography, filtration, distillation, crystallization, etc.), and using "Biotage-Isolera" as purification instrument.
- Good knowledge of analytical techniques such as TLC, GC, GC-MS, HPLC-MS, HPLC with experience in data interpretation.
- Good knowledge in NMR data analysis interpretation for structure elucidation using ¹H-NMR, ¹³C-NMR.
- Manage independently a research project and clearly communicate the results.

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem-solving
Proficient user	Proficient user	Basic user	Independent user	Independent user

Digital skills - Self-assessment grid

- Good knowledge of different operative systems: Windows, Android.
- Good knowledge of Microsoft Office.
- Good knowledge of professional programs and search engines: SciFinder, Reaxys, ChemOffice, Chemdraw, MestReNova, MestReC.

Driving licence B

 ADDITIONAL INFORMATION

- Posters
- Author "Quaternary Ammonium Salts as Highly Efficient Biocides in the Treatment of Microbial Degradation of Artworks" presented at the V Scientific day of the School of Science and Technology, 08/06/2016 Camerino, Italy.
 - Co-author "Synthesis of New Climacostol Analogues: a Natural Molecule Become a Lead Compound" presented at the V Scientific day of the School of Science and Technology, 08/06/2016 Camerino, Italy.
 - Co-author " $CeCl_3 \cdot 7H_2O/NaI$ as Lewis Acid Catalyst in the Povarov Reaction for the Synthesis of Functionalized Tetrahydroquinolines" resented at the V Scientific day of the School of Science and Technology, 08/06/2016 Camerino, Italy.
 - Author "Cerium-trichloride promoted Povarov reaction: an easy and stereocontrolled synthesis of tetrahydroquinolines", presented at the 26th Congress of International Society of Heterocyclic Chemistry, 3-8/9/2017, Regensburg, Germany.

- Publications
- "Bioactivity and Structural Properties of Novel Synthetic Analogues of the Protozoan Toxin Climacostol"
Toxins **2019**, *11*(1),42. doi:10.3390/toxins11010042
- "The Natural Compound Climacostol as a Prodrug Strategy Based on pH Activation for Efficient Delivery of Cytotoxic Small Agents"
Front. Chem. **2019**, *28*, 463. doi: 10.3389/fchem.2019.00463
- "Catalyst-Free Synthesis of Polysubstituted 5-Acylamino-1,3-Thiazoles via Hantzsch Cyclization of α -Chloroglycinates"
Molecules **2019**, *24*(21), 3846.

