



LARA LAMELZA





PHD STUDENT

PERSONAL PROFILE




Born in 1995, always passionate about science, meticulous, quick learner with positive attitude, troubleshooting and teambuilding skills.

Extremely motivated to constantly improve my skills and grow professionally.

CONTACTS

-  Rome, Italy
-  lara.lamelza@uniroma1.it
-  +39-3926659937
-  /laralamelza

LANGUAGE

- Italian 
- English 
- French 

EDUCATION

PhD Student in Pharmaceutical Sciences

NOVEMBER 2021 - CURRENT

- **Sapienza University of Rome**
- Supervisor: Prof. Bruno Botta
- EQF level: 8
- Main subject/occupational skills covered: *Design and Synthesis of natural compounds with anticancer activity*

Qualification to the profession of Pharmacist

NOVEMBER 2021

Master's Degree in Medicinal Chemistry

OCTOBER 2014 - JULY 2021

- **Sapienza University of Rome**
- Final grade: *110/110 cum Laude*
- EQF level: 7
- Thesis: *Alzheimer: Synthesis of BODIPY-based fluorescent probe selective for the NFTs of tau protein*; Supervisor: Prof. Bruno Botta
- Main subject/occupational skills covered: *Organic Chemistry, Medicinal Chemistry, Drug design and synthesis*

High School Diploma

SEPTEMBER 2009 - JULY 2014

- **ITIS Cannizzaro, Colleferro (RM)**
- Final grade: *100/100*
- EQF level: 4
- Fields of study: *Chemistry, Biology, Mathematics, Physics, Computer Science*

DECEMBER 2013

Intercultural exchange Europe-Asia with St. Mark's Secondary School of New Delhi, India

JUNE-JULY 2013

Intercultural exchange Europe-Asia with SMS Sekolah Seri Puteri, Kuala Lumpur, Malaysia

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PROFESSIONAL SKILLS

- Organic synthesis
- HPLC analysis
- NMR Spectroscopy
- Mass Spectrometry
- Chromatography
- Drug Design

DIGITAL SKILLS

- Microsoft Office
- NMR Software: Mestre Nova
- Chemdraw
- Endnote, Mendeley

CERTIFICATIONS

- IT Essential Course - CISCO
- CCNA Course - CISCO
- B2 First Certificate English

INTERESTS

- Padel and Tennis
- Anime and Manga
- Cooking

WORK EXPERIENCE

PhD Student in Pharmaceutical Sciences

NOVEMBER 2021 - CURRENT

- **Sapienza University of Rome**
- Supervisor: Prof. Bruno Botta
- Main subject/occupational skills covered: *Design and Synthesis of natural compounds with anticancer activity*
- skilled in usage and interpretation of NMR and Mass Spectrometry instrumentation for compound characterization;
- experienced in using online chemical research tools such as SciFinder, Reaxys, Google Scholar and PubChem;

Internship

MAY 2020- MAY 2021

- **Genazzano, Rome, Italy**
- Curricular internship aimed at exercising the profession, supporting the pharmacist in dispensing of drugs and pharmacy management

OTHER EXPERIENCE

Industrial Hemp (*Cannabis sativa L.*) Inflorescences as Novel Food: The Effect of Different Agronomical Practices on Chemical Profile

RESEARCH ARTICLE

- M. Spano, G. Di Matteo, C. Ingallina, A. Petrovich Sobolev, A. M. Giusti, G. Vinci, S. Cammarone, C. Tortora, L. Lamelza, S. A. Prencipe, L. Gobbi, B. Botta, F. Marini, E. Campiglia and L. Mannina

Spanish-Italian Symposium on Organic Chemistry, SISOC XIII

04-06 SEPTEMBER 2022

- Poster: "*Rational design and synthesis of a BODIPY-based probe selective for Tau tangles*" L. Lamelza, A. Soloperto, D. Quaglio, P. Baiocco, I. Romeo, M. Mori, M. Ardini, S. Ghirga, G. Ruocco, B. Botta, F. Ghirga, S. Di Angelantonio and A. Boffi

Symposium for YouNg Chemists: Innovation and Sustainability, SYNC 2022

20-23 JUNE 2022

- Poster: "*Resorc[4]arene-based site directed immobilization of antibodies for immunosensors development*" L. Lamelza, D. Quaglio, F. Polli, F. Ghirga, G. Favero, M. Pierini, B. Botta and F. Mazzei

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