

# Alba Lasalvia

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## Work experience

- 11/2019-01/2023 **PhD Research / Sapienza-University of Rome, Rome**  
Metabolomic studies by mass spectrometry: qualitative characterization of several matrices, mostly food matrices. (Source: ESI, APCI, APPI; mass analyzer: FT-ICR MS, Triple quadrupole, Linear ion trap). Data processing. Scientific research and paper production.
- 02/2022 **Staff exchange / University of Eastern Finland, Joensuu**  
Proteomic analyses by NanoLC FT-ICR MS and data treatment within the project EU FT-ICR MS.
- 03/2021-09/2021 **Teaching tutor / Sapienza-University of Rome, Rome**  
09/2022-12/2022 Tutoring activities for Inorganic Chemistry class at the course of Pharmaceutical Chemistry.
- 05/2019-08/2019 **Graduate Research Assistant / Norwegian Doping Control Laboratory, Oslo**  
Validation of analytical method for the detection of cortisone and cortisol in urine by LC-MS/MS (hybrid quadrupole-orbitrap). Analysis of the urine samples collected after administration of 17-butyrate hydrocortisone cream.
- 03/2018-03/2019 **Undergraduate Research Assistant / Rome Antidoping Laboratory – FMSI, Rome**  
Experimental thesis in "Analysis of the drugs and their metabolites in biological fluids". The aim of the project was the detection of methods and substances prohibited for doping, investigating myokines (biomarkers of muscle hypertrophy) as indirect markers of doping by immunological and cytofluorimetric methods.

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## Education

- 2023 **PhD in pharmaceutical Sciences/ Sapienza-University of Rome**  
2019 **Master's degree / Sapienza-University of Rome**  
Course: Pharmaceutical Chemistry and Technologies

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## Workshops and oral presentations

- EU FT-ICR MS End-User School /** December 2022, Lille  
**Merck Young Chemists' Symposium 2022 /** November 2022, Rimini  
**7 MS Food Day /** October 2022, Florence  
**MASSA 2022 /** June 2022, Carlentini (SR)  
**EU FT-ICR MS Short Course /** April 2022, Joensuu  
**25° Corso Spettrometria di Massa /** September 2021, Pontignano (SI)
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## Publications

### Characterization and valorization of 'Sulmona Red Garlic' peels and small bulbs

Lasalvia, Alba; Cairone, Francesco; Cesa, Stefania; Maccelli, Alessandro; Crestoni, Maria Elisa; Menghini, Luigi; Carradori, Simone; Marinacci, Beatrice; Gallorini, Marialucia; Elsallabj, Osama; Pesce, Mirko; Patruno, Antonia. *Antioxidants*. 2022.

### Metabolomic profiling of fresh goji (*Lycium barbarum* L.) berries from two cultivars grown in central Italy: A multi-methodological approach

Spano, Mattia; Maccelli, Alessandro; Di Matteo, Giacomo; Ingallina, Cinzia; Biava, Mariangela; Crestoni, Maria Elisa; Giusti, Anna Maria; Mariano, Alessia; Scotto D'abusco, Anna; Lasalvia, Alba; Fornarini, Simonetta; Mannina, Luisa. *Molecules*. 2021.

### Correlation between the antimicrobial activity and metabolic profiles of cell free supernatants and membrane vesicles produced by *Lactobacillus reuteri* DSM 17938

Alessandro Maccelli, Simone Carradori, Valentina Puca, Francesca Sisto, Paola Lanuti, Maria Elisa Crestoni, Alba Lasalvia, Raffaella Muraro, Helena Bysell, Antonella Di Sotto, Stefan Roos, Rossella Grande. *Microorganisms*. 2020.

### Myokines as potential indirect biomarkers of myostatin abuse in sport doping: reference ranges in elite athletes

Francesco Donati; Giorgia Morgan Biasini; Xavier De La Torre ; Alba Lasalvia; Francesco Noce; Lavinia Rutigliano; Veronica Sian; Francesco Botrè. *Faseb*. 2020.

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## Digital Skills

Thermo Scientific FreeStyle/DataAnalysis/Marvin Sketch/Graphpad/MetaboAnalyst/Microsoft Office

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## Language Skills

**Italian:** mother tongue

**English:** advanced

Roma, 29/03/2023

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