

PERSONAL INFORMATIONS

MEONI GAIA



Sex F | Birth 26/04/1991 | Nationality Italian

 SCIENTIFIC AND TEACHING
EXPERIENCE

31/12/2021 - current

Research Fellow (Italian RtdA)

 Department of Chemistry, University of Florence, via della Lastruccia 3, 50019, Sesto Fiorentino (IT)
CHIM/03
NMR metabolomics

07/2021 – 30/12/20

Postdoctoral Researcher

Department of Chemistry, University of Florence, via della Lastruccia 3, 50019, Sesto Fiorentino (IT)

Study of the metabolic fingerprint of COVID-19 patients.

Thesis co-supervisor:

- *Marta Ridolfi, Master thesis in Biotecnologie Per La Gestione Ambientale E L'agricoltura Sostenibile (B225), "Analisi metabolomica via spettroscopia 1H NMR e tecniche di biologia molecolare come strumenti per indagare l'interazione tra Curtobacterium flaccumfaciens pv. flaccumfaciens e Phaseolus vulgaris", 5/10/2021*
- *Rainer Bega, Bachelor thesis in Biotecnologie (L-2), "La Metabolomica via risonanza magnetica nucleare in Biomedicina: applicazioni allo studio della malattia di Parkinson nell'ambito del progetto PROPAG-AGEING", 22/07/2021*

"Cultore della materia" CHIM/03 2021

University of Florence

06/2019–07/2021

Postdoctoral Researcher

Giotto Biotech, Sesto Fiorentino, Florence (IT)

Applications of nuclear magnetic resonance (NMR) for the characterization of olive oil in search of molecular factors capable of demonstrating geographic origin through the metabolomic approach. Research project promoted by the "Faber 2" call supported by the CR Florence Foundation, Confindustria Florence, the Foundation for Research and Innovation and the University of Florence.

11/2020-06/2021

Teacher A-015

fis02900i, I.I.S Sasseti Peruzzi, Via S. Donato, Florence (IT)

Social and Health Services evening course

11/2018–06/2019

Postdoctoral Researcher

CIRMMMP (Consorzio Interuniversitario Risonanze Magnetiche di Metallo Proteine), Florence (IT)

Study and characterization of food matrices, biological samples using a metabolomic approach via

nuclear magnetic resonance (NMR) spectroscopy for the research project "Development of integrated methodologies for experimental sciences".

11/2015–11/2018

Ph.D

International Doctorate in Structural Biology (XXXI) at CERM (Centro di Ricerca di Risonanze Magnetiche), University of Florence (IT)

Applications of metabolomics via Nuclear Magnetic Resonance Spectroscopy

Molecular analysis of complex mixtures (food, vegetable, and human biofluids)

Characterization of food matrices (olives, olive oil, green and roasted coffee, whole cow's milk and powdered milk and wine) to define their quality, traceability and technological development

Diagnosis of pathologies and characterization of biological fluids (serum, plasma, urine, saliva, feces, breast milk) and human cells

Chemometry and statistics of big data (Machine Learning)

11/2013–06/2015

Master thesis student at the Department of Biology and Biotechnology
"L.Spallanzani"

University of Pavia, Pavia (IT) (www-3.unipv.it/biocry)

04/2013–10/2013

Bachelor thesis student

Laboratory of Microbial and Molecular Evolution, Department of Biology, University of Florence (IT)

EDUCATION AND TRAINING

11/2015–11/2018

Ph.D

Lev. 8 QEQ cum
laude graduation

International Doctorate in Structural Biology (XXXI), Università degli Studi di Firenze (IT)

Thesis title: "Metabolomics by NMR: applications and challenges from biomedicine to food research"

Description: In this Ph.D thesis NMR-based metabolomic approach was used for the chemical characterization of several animal biofluids (urine, serum and saliva) in the biomedical field (to study at molecular level some pathologies such as Parkinson's disease, viral hepatitis C and B, periodontitis and bacterial sepsis, but also to study in vitro the chemotherapeutic resistance of certain cancer types). Within this thesis also agro-food matrices were studied (olives and oil, green and roasted coffee and cow's milk) with the aim to innovatively explore the potential of NMR for the chemical definition of food quality and traceability.

10/2013–07/2015

Master degree in Molecular Biology and Genetics, LM-6

110/110

University of Pavia, Pavia (IT)

Thesis title: "Isolation and Biochemical Characterization of human Flavin-Containing Monooxygenase 5 (hFMO5)"

Degree course and thesis conducted entirely in English (Master degree in Molecular Biology and Genetics)

Description: The thesis describes the characterization of the human Flavin-Containing Monooxygenase 5 (FMO5), which, among the five membrane-associated FMOs, is the most abundantly form expressed in the adult human liver. Full-length human Fmo5 cDNA was cloned into a vector suitable for expression in E.coli. After identifying the ideal induction conditions that provide the most efficient heterologous expression profile, efforts were spent on extracting hFMO5 from the membrane fraction. For the first time it was observed the activity of a human FMO towards NADPH and O₂. The availability of purified hFMO5 allowed to define a complete profile, which, in addition to

confirming its poor reactivity towards the typical substrates of FMOs, identifies hFMO5 as a Baeyer-Villiger monooxygenase (BVMO), testing for the first time the existence of this reaction in human metabolism.

09/2010–10/2013

Bachelor degree, Biology, L-13

University of Florence, School of Mathematical, Physical and Natural Sciences, Florence (IT)

Thesis title: "Functional characterization of bacterial communities isolated from the rhizosphere of *Echinacea purpurea*"

*Description: The thesis work was carried out to identify some of the functional characteristics of a panel of 24 strains of bacteria isolated from the rhizosphere of *Echinacea purpurea*.*

*During the thesis activity, the following hypotheses were assessed: a) the resistance of the rhizosphere bacteria to some antibiotics; b) resistance to some heavy metals; c) resistance to hydrogen peroxide and copper, to test their reaction to ROS (Reacting Oxygen Species); d) growth on minimal media (MMV and MMD) containing glucose or gas oil as the only carbon source, to evaluate the ability of rhizosphere bacteria strains to degrade xenobiotic compounds; d) the possible inhibitory activity of the 24 strains against 10 strains of *Burkholderia cepacia* complex, opportunistic pathogenic bacteria of cystic fibrosis, to verify the possible production of antimicrobial molecules and other endophytic bacteria to evaluate the existence of any antagonistic activities between bacterial communities which live in different compartments of the same plant.*

RESEARCH INTERESTS

My research interests are focused on the use and development of Nuclear Magnetic Resonance metabolomic approaches in the study of different biological specimens, ranging from human and animal biofluids to food matrices.

By using state-of-the-art NMR metabolomic technologies coupled with advanced chemometric, I take a systems-level approach to study comprehensive metabolism and to identify diseases' profiles, fingerprints and specific pathways that are related to particular phenotypes.

I hope my research in this field, which I find innovative and exciting, can continue giving to me the opportunity to translate ideas into reality to contribute improving knowledge and global wellbeing.

Publications in international journals (listed from 2018 to 2022)

- 1) A. Basoglu, I. Sen, **G. Meoni**, L. Tenori and A. Naseri; *NMR-Based Plasma Metabolomics at Set Intervals in Newborn Dairy Calves with Severe Sepsis*. doi.org/10.1155/2018/8016510. <https://www.hindawi.com/journals/mi/2018/8016510/>
- 2) F. Romano, **G. Meoni***, V. Manavella, G. Baima; L. Tenori, S. Cacciatore; M. Aimetti; *Analysis of salivary phenotypes of generalized aggressive and chronic periodontitis through nuclear magnetic resonance-based metabolomics*. doi.org/10.1002/JPER.18-0097. <https://pubmed.ncbi.nlm.nih.gov/29877582/>
- 3) L. Tenori, C. Santucci, **G. Meoni**, V. Morrocchi, G. Matteucci, C. Luchinat; *NMR metabolomic fingerprinting distinguishes milk from different farms*. doi.org/10.1016/j.foodres.2018.06.066 <https://www.sciencedirect.com/science/article/pii/S0963996918305210?via%3Dihub>
- 4) A. Vignoli, V. Ghini, **G. Meoni***, C. Licari, P.G. Takis, L. Tenori, P. Turano, C. Luchinat; *High-throughput metabolomics by 1D NMR*. doi.org/10.1002/anie.201804736. <https://onlinelibrary.wiley.com/doi/10.1002/anie.201804736>
- 5) F. Romano, **G. Meoni**, V. Manavella, G. Baima, G.M. Mariani, S. Cacciatore, L. Tenori, M. Aimetti; *Effect of non-surgical periodontal therapy on salivary metabolic fingerprint of generalized chronic periodontitis using nuclear magnetic resonance spectroscopy*. doi.org/10.1016/j.archoralbio.2018.10.023. <https://pubmed.ncbi.nlm.nih.gov/30396039/>

- 6) **G.Meoni***, S.Lorini, M. Monti, F. Madia, G. Corti, C. Luchinat, A. L. Zignego, L. Tenori, L. Gragnani. *The metabolic fingerprints of HCV and HBV infections studied by Nuclear Magnetic Resonance Spectroscopy*. doi.org/10.1038/s41598-019-40028-4.
<https://www.nature.com/articles/s41598-019-40028-4>
- 7) A. M Dourou; S. Brizzolara; **G. Meoni**; L. Tenori; F. Famiani; C. Luchinat; P. Tonutti. *The inner temperature of the olives (cv Leccino) before processing affects the volatile profile and the composition of the oil*. 10.1016/j.foodres.2019.108861.
<https://www.sciencedirect.com/science/article/pii/S0963996919307471>
- 8) G. Nannini, **G. Meoni***, A. Amedei, L. Tenori. *Metabolomics profile in gastrointestinal cancers: Update and future perspectives*.10.3748/wjg.v26.i20.2514.
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7265149/>
- 9) **G.Meoni**, L. Tenori, C. Luchinat. *Nuclear Magnetic Resonance-Based Metabolomic Comparison of Breast Milk and Organic and Traditional Formula Milk Brands for Infants and Toddlers*. 10.1089/omi.2019.0125.
https://www.liebertpub.com/doi/10.1089/omi.2019.0125?url_ver=Z39.88-2003&rfr_id=ori:rid:crossref.org&rfr_dat=cr_pub%20%20pubmed
- 10) F. Citterio, F. Romano, **G. Meoni**, G. Iaderosa, S. Grossi, A. Sobrero, F. Dego, M. Corana, G. N. Berta, L. Tenori, M. Aimetti. *Changes in the Salivary Metabolic Profile of Generalized Periodontitis Patients after Non-surgical Periodontal Therapy: A Metabolomic Analysis Using Nuclear Magnetic Resonance Spectroscopy*. 10.3390/jcm9123977.
<https://www.mdpi.com/2077-0383/9/12/3977>
- 11) C. Pirazzinini, [...] **G.Meoni**, C. Franceschi. *A geroscience approach for Parkinson's disease: Conceptual framework and design of PROPAG-AGEING project*. 10.1016/j.mad.2020.111426.
<https://www.sciencedirect.com/science/article/pii/S0047637420302220?via%3Dihub>
- 12) **G. Meoni***, V. Ghini, L. Maggi, A. Vignoli, A. Mazzoni, L. Salvati, M. Capone, A. Vanni, L. Tenori, P. Fontanari, F. Lavorini, A. Peris, A. Bartoloni, F. Liotta, L. Cosmi, C. Luchinat, F. Annunziato, P. Turano. *Metabolomic/lipidomic profiling of COVID-19 and individual response to tocilizumab*. 10.1371/journal.ppat.1009243.
<https://journals.plos.org/plospathogens/article?id=10.1371/journal.ppat.1009243>
- 13) G. Baima, M. Corana, G. Iaderosa, F. Romano, **G. Meoni**, L. Tenori, M. Aimetti. *Metabolomics of gingival crevicular fluid to identify biomarkers for periodontitis: a systematic review with meta-analysis*. 10.1111/jre.12872.
<https://onlinelibrary.wiley.com/doi/10.1111/jre.12872>
- 14) L. Baldelli; S. Schade; S. Jesús; S. Schreglmann; L. Sambati; P. Gómez-Garre; C. Halsband ; G. Calandra-Buonaura; A.D. Adames-Gómez; F. Sixel-Döring; C. Zenesini; C. Pirazzini; [...]; **G. Meoni**; [...]; *Heterogeneity of prodromal Parkinson symptoms in siblings of Parkinson disease patients* 10.1038/s41531-021-00219-1
<https://www.nature.com/articles/s41531-021-00219-1>
- 15) F. Di Cesare; L. Tenori; **G. Meoni**; [...]; E.Saccenti. *Lipid and metabolite correlation networks specific to clinical and biochemical covariate show differences associated with sexual dimorphism in a cohort of nonagenarians*. 10.1007/s11357-021-00404-3.
<https://link.springer.com/article/10.1007/s11357-021-00404-3>
- 16) G. Nannini; **G. Meoni***; [...], A.Amedei. *Fecal metabolomics' profile: A comparative study from colorectal cancer vs adenomatous polyps' patients*. 10.3748/wjg.v27.i38.6430.
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8517777/>
- 17) T. Bobbo; **G. Meoni***; G. Niero; L. Tenori; C. Luchinat; M. Cassandro; and M. Penasa. *Nuclear magnetic resonance spectroscopy to investigate the association between milk*

- metabolites and udder quarter health status in dairy cows. doi.org/10.3168/jds.2021-20906. <https://www.sciencedirect.com/science/article/pii/S0022030221009644>
- 18) **G. Meoni**; C. Luchinat; E. Gotti; A. Cadena; L. Tenori; Phenotyping Green and Roasted Beans of Nicaraguan Coffea Arabica Varieties Processed with Different Post-Harvest Practices. 10.3390/app112411779 <https://www.mdpi.com/2076-3417/11/24/11779>
 - 19) **G. Meoni**; L. Tenori; S. Shade; [..]; C. Luchinat. Metabolite and lipoprotein profiles reveal sex-related oxidative stress imbalance in de novo drug-naive Parkinson's disease patients. 10.1038/s41531-021-00274-8 <https://www.nature.com/articles/s41531-021-00274-8>
 - 20) V. Ghini; **G. Meoni***; L. Pelagatti; [..]; G. Landini; P. Turano. Profiling metabolites and lipoproteins in COMETA, an Italian cohort of COVID-19 patients. 10.1371/journal.ppat.1010443. <https://journals.plos.org/plospathogens/article?id=10.1371/journal.ppat.1010443>
 - 21) T. Martellini; L. Sposato; S. Pucci; **G. Meoni**; C. Marinelli; L. Tenori; C. Luchinat; R. Giorgi; C. Sarti, A. Cincinelli. Influence of in-amphorae vinification on the molecular profile of Sangiovese and Cabernet Franc. 10.1002/ffj.3697 <https://onlinelibrary.wiley.com/doi/full/10.1002/ffj.3697>
 - 22) A. Vignoli, **G. Meoni** and L. Tenori. Research in Metabolomics via Nuclear Magnetic Resonance Spectroscopy: Data Mining, Biochemistry and Clinical Chemistry. (*This book is a reprint of the Special Issue Research in Metabolomics via Nuclear Magnetic Resonance Spectroscopy: Data Mining, Biochemistry and Clinical Chemistry that was published in Applied Sciences*). <https://doi.org/10.3390/books978-3-0365-4554-7>.
 - 23) G. M. Dimitri, **G. Meoni***, L. Tenori, C. Luchinat, P. Lió, on behalf of the PROPAG-AGEING Consortium. NMR Spectroscopy Combined with Machine Learning Approaches for Age Prediction in Healthy and Parkinson's Disease Cohorts through Metabolomic Fingerprints. <https://doi.org/10.3390/app12188954>.
 - 24) A. Vignoli, **G. Meoni***, V. Ghini, F. Di Cesare, L. Tenori, C. Luchinat, P. Turano. NMR-Based Metabolomics to Evaluate Individual Response to Treatments. Part of the Handbook of Experimental Pharmacology book series. Electronic ISSN 1865-0325
 - 25) G. Niero, **G. Meoni**, L. Tenori, C. Luchinat, G. Visentin, S. Callegaro, E. Visentin, M. Cassandro, M. De Marchi, M. Penasa. Grazing affects metabolic pattern of individual cow milk. <https://doi.org/10.3168/jds.2022-22072>
 - 26) E. Russo, L. Di Gloria, G. Nannini, **G. Meoni**, E. Niccolai, M. N. Ringressi, S. Baldi, R. Fani, L. Tenori, A. Taddei, M. Ramazzotti, A. Amedei. From adenoma to CRC stages: the oral-gut microbiome axis as a source of potential microbial and metabolic biomarkers of malignancy. <https://doi.org/10.1016/j.neo.2023.100901>
 - 27) M Franzoi, G Niero, **G Meoni**, L Tenori, C Luchinat, M Penasa, M Cassandro, M De Marchi. Effectiveness of mid-infrared spectroscopy for the prediction of cow milk metabolites. <https://doi.org/10.3168/jds.2023-23226>

(*) co-first author

Published abstracts

- A serum metabolomic analysis of HCV-infected patients successfully treated with IFN-free DAA regimens Ceccotti, G; **Meoni, G**; (...); Zignego, AL 67th Annual Meeting of the American-Association-for-the-Study-of-Liver-Diseases (AASLD) Oct 2016 | HEPATOLOGY 64, pp.378A-378A. [dx.doi.org/10.1002/hep.28798](https://doi.org/10.1002/hep.28798)
- Metabolomic analysis by nuclear magnetic resonance spectroscopy discriminates hormone receptor positive/HER2 negative breast cancer cell lines resistant to palbociclib. M Bonechi, C Guarducci, **G Meoni**, L Tenori, C Biagioni, R Schiff, CK Osborne, C Luchinat, A Di Leo, L Malomi and I Migliaccio. Published February 2017. 2016 San Antonio Breast Cancer

Symposium; December 6-10, 2016; San Antonio, Texas. **10.1158/1538-7445.SABCS16-P6-02-07**

- Metabolomic analysis as a tool to identify breast cancer (BC) cell lines resistant to palbociclib (PD). M. Bonechi; C. Guarducci; **G. Meoni**; L. Tenori; C. Biagioni; R. Schiff; C.K.Osborne, C. Luchinat; L. Malorni; I. Migliaccio. ABSTRACT CATEGORIES PRECLINICAL BREAST CANCER BIOLOGY| VOLUME 28, SUPPLEMENT 1, 117, MAY 01, 2017. doi.org/10.1093/annonc/mdx145.003
- Different metabolic fingerprints between HCV and HBV patients: a possible interference of the two major hepatitis viruses in basal metabolism pathways. Gragnani, L; Tenori, L; (...); Zignego, AL 68th Annual Meeting of the American-Association-for-the-Study-of-Liver-Diseases (AASLD) / Liver Meeting Oct 2017 | HEPATOLOGY 66, pp.469A-469A. **10.1002/HEP.29501**

Activity in academic publishing

- **Special issue Editor** "Research in Metabolomics via Nuclear Magnetic Resonance Spectroscopy: Data Mining, Biochemistry and Clinical Chemistry". https://www.mdpi.com/journal/applsci/special_issues/metabolomics_via_nuclear_magnetic_resonance_spectroscopy
- **Special issue Editor** "Probiotic Bacteria: Metabolisms and Impact on Human Health". https://www.mdpi.com/journal/metabolites/special_issues/Probiotic_Bacteria_Metabolism
- **Special issue Editor** "Novel Opportunities and Challenges for Metabolomics". https://www.mdpi.com/journal/applsci/special_issues/opportunities_challenges_for_metabolomics
- **Special Issue Editor** "Emerging Omic Tools in Neurodegenerative Disease Diagnosis". <https://www.frontiersin.org/research-topics/46717/emerging-omic-tools-in-neurodegenerative-disease-diagnosis>

Participation and contribution to scientific congresses

- Grant to participate to Pre-Meeting "Liver Gymnasium 3" Padova **22/9/2016** "A serum metabolomic analysis of HCV-infected patients successfully treated with IFN-free DAA regimens". - **Oral communication**
- Participation to the 1° ANNUAL MEETING of the European granted project (H2020 N.634821) Propag-ageing, CERM, University of Florence, **10-11/10/2016**
- GIDRM Grant to participate to the congress "XLV NATIONAL CONGRESS ON MAGNETIC RESONANCE" **5-7/9/2016**. "Metabolomic analysis by nuclear magnetic resonance (NMR) spectroscopy discriminates hormone receptor positive/HER2 negative (HR+/HER2neg) breast cancer cell lines resistant to palbociclib", Università degli Studi di Modena e Reggio Emilia, Modena- Poster
- GIDRM Grant to participate to the workshop "NMR & MS in Metabolomica", jointly organized by the Gruppo Italiano Discussione Risonanze Magnetiche and the Italian Mass Spectrometry Society, **3/2/2017**, Dipartimento di Scienze Chimiche, University of Padova
- Participation to the "PhD Day 8, the day dedicated to PhD students", University of Florence, **24/5/2017**- Poster,
- Focus on Breast Cancer 2017, Istituto Toscano Tumori, Ospedale di Prato (Department of oncology), on **6-7/7/2017** "Metabolomic analysis by nuclear magnetic resonance spectroscopy discriminates hormone receptor positive/HER2 negative breast cancer cell lines resistant to palbociclib".
- Grant to participate to MOVISS workshop Vorau (Austria) **20-23/9/2017** "A serum metabolomic analysis of HCV-infected patients successfully treated with IFN-free DAA regimens". - **Oral communication**
- GIDRM Grant to participate to the congress "XLVI NATIONAL CONGRESS ON MAGNETIC RESONANCE" **27-29/9/2017** "NMR-based metabolomics to understand the abscission phenomenon of olives and for the characterization of wines", Università degli Studi di Salerno, Salerno - Poster
- Invited speaker at festival della Scienza Genova (Italy) **4/11/2017** "Metabolomica: una nuova frontiera nella ricerca. Dalla medicina personalizzata allo studio del cibo". - **Oral communication**
- Grant to participate at the 8th International Symposium on Recent Advances in Food Analysis RAFA 2017 University of Chemistry and Technology of Prague (CZ) and Wageningen (NL), **7-10/11/2017**

- at Prague (CZ): *"NMR-based metabolomics to understand the abscission phenomenon of olives and for the characterization of wines"*. - **Oral communication and poster**
- Falling walls Lab **27/8/2018**, aula magna -University of Florence (Italy), *"Breaking the wall of special coffees"*- **Oral communication**
- **GIDRM Grant to participate to the workshop "Metabolomics in Cancer", University of Florence, 28/11/2018**
- Participation to the Final Meeting of Propag-ageing H2020 project held in Bologna, **7/6/2019 – Oral communication**
- **GIDRM Grant to participate to the congress «Advances in NMR and MS based Metabolomics » Lucca,20-22/11/2019 "From beans to brew: NMR based metabolomic approach to assess traceability of coffee producers within a restricted geographical area of Colombia"**. - **Poster**
- **Foodomics Conference (Cesena, Italy) "From beans to brew: NMR-based metabolomics approach to assess traceability of coffee producers within the geographical areas of Columbia and Nicaragua"- 14-16/10/2020 – Oral communication**
- **Metabolomics 2022 (Valencia, Spain) "Profiling metabolites and lipoproteins in COMETA, an Italian cohort of COVID-19 patients"-19-23/06/2022 -Oral communication**
- **7th MS Food day 2022 "Phenotyping Green and Roasted Beans of Nicaraguan Coffea Arabica Varieties Processed with Different Post-Harvest Practices"**. 5-7/10/2022 – **Oral communication**

Certifications

- certificate of attendance and passing of the general and specific training course on safety and health at work (12h), 2021. Course program: a) The safety vocabulary, the company prevention system , health surveillance; b) risks related to work, dangerous substances, emergency management, risk assessment; c) Information, education and training of workers, work environments; d) reference legislation and system of sanctions, supervisory, control and assistance bodies, information and training of workers; e) risks deriving from exposure to electromagnetic fields; f) risks arising from the use of cryogenic liquids; g) risks and prevention in biotechnology laboratories; h) waste management in the laboratory and instructions for emergency cases; i) verification test and practical part with exercises; l) chemical risk.
- certificate of attendance and passing of the specific training course on occupational safety and health "Manipulation of biological samples of human origin" lasting 4 hours on 4/6/2016 Course program: a) biological risk in the laboratory: definition and classification of biological agents and methods of contamination, regulations; b) containment laboratory-2: behavioral procedures and emergency management; c) manipulation of biological samples of human nature: instrumentation and disposal of bio-risk material; d) Transport regulations: procedure for transport within the laboratory and outside the (local) laboratory; e) safe storage of biological samples of human nature: management (importance of labeling, label matching, clinical data, procedure for surely infected samples), transport (containers for transport, PPE, material and documentation that must accompany the transport of the samples).
- Acquisition of 24 CFU (M-PED / 04; M-PSI / 04; BIO / 02; M-PED / 01) from the University of Florence for teachers.
- Expert olive oil panelist– certificate of tasting competence - AIRO (International Association of olive Oil Restaurants)

ADDITIONAL INFORMATION

PERSONAL SKILLS

Mother tongue italian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	International	Oral	
English	C1	C1	B2	B2	C1

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

- Communication skills
- Team spirit
 - Interest in dialogue
 - Enterprising and energetic
 - Adaptive skills

Organizational and management skills

I can work in particularly stressful conditions with excellent results.
Ability to obtain and analyze data, excellent management of time and materials.
I make every commitment to the best of my abilities.

Digital skills	SELF EVALUATION				
	Information processing	Communication	Content Creation	Safety	Problem solving
	Advanced	Advanced	Advanced	Advanced	Advanced

Digital skills - Self-assessment form

- Excellent control of the Microsoft Windows operating system
- Good control of the Linux operating system
- Excellent control of Microsoft Office
- Good knowledge of the statistical programming language R
- Use of statistical software (Matlab, R, SPSS, Excel)
- Use of of databases such as EMBL-EBI, NCBI, HMDB
- Excellent control of chemometry software such as Chenomx, Assure NMR
- Excellent control of software for NMR instrumentation: TopSpin (Bruker Biospin srl) and Mestrenova

Driving license B

Additional personal information

I am a dynamic person, used to working in a team and meeting deadlines that are also very close to each other. I have a predisposition for social relations and intercultural exchanges.
I have no problems facing long and frequent business trips.
I have no problem speaking in public.

I authorize the processing of my personal data pursuant to EU Regulation 2016/679 for the purposes of personnel research and selection.

I declare according to the DPR 445/2000 that the information contained in this Curriculum Vitae are not fallacious

Florence 19/06/2023

Gaia Meoni