

Curriculum Vitae

Personal Information

- **Name:** Alice PALERMITI
- **E-mail:** alice.palermi@unito.it
- **Citizenship:** Italian
- **Date of Birth:** 21/10/1994

Educational Background

- **Graduation Date:** 17/12/2018
- **Degree:** Master's Degree
- **Grade:** 108/110
- **Degree Classification:** LM-8 Industrial Biotechnology
- **Institution:** University of Turin - Via Verdi 8 - TURIN

Experience

- **01/11/2021 - Present**
Position: PhD Student
Institution: University of Turin - Via Verdi 8 - TURIN
Department: Department L.240/2010 Medical Sciences
PhD Title: PhD in Medical Pathophysiology
- **Date:** Nov 2019 - 31/10/2021
Position: Research Fellow
Institution: University of Turin - Via Verdi 8 - TURIN
Department: Department L.240/2010 Medical Sciences
Section: Clinical Pharmacology and Pharmacogenetics Laboratory

Foreign Language Skills: English

Skills Acquired from Work Experience:

- Therapeutic Drug Monitoring on biological matrix samples
- Quantification and stability of drugs and galenic products
- Design and validation of in vitro diagnostics
- Knowledge of UNI EN ISO 9001 - 13485 - 17025/15189 standards
- Classical enzymology
- Synthesis and characterization of nanomaterials with DLS and zeta potential
- Microbiological water analysis (bacterial cultures by inclusion and filtration)
- Classical serology, PCR-based methods, and viral titration

Technical Skills:

- **Software:** Good knowledge of Windows and MacOS operating systems, Office applications, bibliographic database (PubMed), and reference management software (Mendeley, Zotero) for review production
- **Standards:** UNI EN ISO 9001:2015 – 13485:2016 – 17025:2018

- **Equipment:** UHPLC-MS/MS, HPLC-MS, HPLC-MS/MS, SPE ONLINE, and UHPLC-PDA (Waters Perkin Elmer Shimadzu)
 - o Software: MASSLYNX, EMPOWER, and SEMPLICITY

Social Skills:

- Strong team spirit with an aptitude for working in multicultural environments
- Good communication skills

Organizational Skills:

- Good organizational sense
- Some experience in managing projects or teams, gained during internships and academic studies
- Excellent synthesis and reporting abilities
- Comprehensive vision of processes and priorities (Problem Solving)

Technical/IT Skills:

- Good knowledge of the Microsoft Office suite
- Fair competence in R and SPSS statistical software

Certification: ECDL

Licenses and Memberships in Scientific Societies:

- License to practice as a Biologist, obtained on 11/09/2020
- Regular Member of SIF since 07/05/2024
- Non-structured Regular Member of SIBIOC since 2023

List of Research Products:

1. **Palermi**, Alice, Manca, Alessandra, Mastrantonio, Fabrizio, Maiese, Domenico, Curatolo, Aurora, Antonucci, Miriam, Simiele, Marco, De Nicolo, Amedeo, D'Avolio, Antonio (2024). Comparative Performance Assessment of Novel Fluorescence Immunoassay POCTs for Measuring Circulating Levels of Vitamin-D. MOLECULES, vol. 29, p. 1636-1644, ISSN: 1420-3049, doi: 10.3390/molecules29071636
2. **Palermi**, Alice, Pappaccogli, Marco, Rabbia, Franco, D'Avolio, Antonio, Veglio, Franco (2024). Multiple drug intolerance in antihypertensive patients: what is known and what is missing. JOURNAL OF HYPERTENSION, p. 1-9, ISSN: 0263-6352, doi: 10.1097/HJH.0000000000003737
3. **Palermi**, A, Cafaro, A, Barco, S, Bucchioni, P, Franceschini, P, Cusato, J, De Nicolo, A, Manca, A, De Vivo, ED, Russo, E, Cecchi, F, Pigliasco, F, Lillo, F, Tripodi, G, D'Avolio, A, Cangemi, G (2021). Analysis of Cannabinoids Concentration in Cannabis Oil Galenic Preparations: Harmonization between Three Laboratories in Northern Italy. PHARMACEUTICALS, vol. 14, p. 1-13, ISSN: 1424-8247, doi:10.3390/ph14050462
4. De Nicolo, Amedeo, **Palermi**, Alice, Dispinseri, Stefania, Marchetti, Giulia, Trunfio, Mattia, De Vivo, Elisa, D'Avolio, Antonio, Muscatello,

- Antonio, Gori, Andrea, Rusconi, Stefano, Bruzzesi, Elena, Gabrieli, Arianna, Bernasconi, Davide Paolo, Bandera, Alessandra, Nozza, Silvia, Calcagno, Andrea (2024). Plasma, Intracellular and Lymph node Antiretroviral Concentrations and HIV DNA Change During Primary HIV Infection: Results from the INACTION P25 Study. *INTERNATIONAL JOURNAL OF ANTIMICROBIAL AGENTS*, p. 1-10, ISSN: 0924-8579, doi:10.1016/j.ijantimicag.2024.107200
5. Manca, Alessandra, **Palermi**, Alice, Mula, Jacopo, Cusato, Jessica, Maiese, Domenico, Simiele, Marco, De Nicolo, Amedeo, D'Avolio, Antonio (2023). Stability Study of Fosfomycin in Elastomeric Pumps at 4 °C and 34 °C: Technical Bases for a Continuous Infusion Use for Outpatient Parenteral Antibiotic Therapy. *PHARMACEUTICS*, vol. 15, p. 2347-2358, ISSN: 1999-4923, doi: 10.3390/pharmaceutics15092347
 6. Avataneo, Valeria, **Palermi**, Alice, De Nicolò, Amedeo, Cusato, Jessica, Giussani, Gloria, Calcagno, Andrea, D'Avolio, Antonio (2022). Monthly Increase in Vitamin D Levels upon Supplementation with 2000 IU/Day in Healthy Volunteers: Result from "Integriamoci", a Pilot Pharmacokinetic Study. *MOLECULES*, vol. 27, p. 1042-1051, ISSN: 1420-3049, doi: 10.3390/molecules27031042
 7. Cusato, Jessica, **Palermi**, Alice, Manca, Alessandra, Mula, Jacopo, Antonucci, Miriam, De Nicolò, Amedeo, Allegra, Sarah, De Francia, Silvia, Chiara, Francesco, Di Perri, Giovanni, Rosa, Francesco Giuseppe De, Calcagno, Andrea, D'Avolio, Antonio (2022). Antifungal Drug Plasma Exposures: A Possible Contribution of Vitamin D-Related Gene Variants. *PHARMACEUTICALS*, vol. 15, p. 630-642, ISSN: 1424-8247, doi: 10.3390/ph15050630
 8. Manca, Alessandra, **Palermi**, Alice, Mula, Jacopo, De Vivo, Elisa Delia, Zeaiter, Sandra, Simiele, Marco, De Nicolò, Amedeo, Cantù, Marco, Cusato, Jessica, D'Avolio, Antonio (2022). A description of Cannabinoid levels in Cannabis oil by high-performance liquid chromatography-mass spectrometry in a reference laboratory of North-Italy. *PHYTOMEDICINE*, vol. 102, p. 1-7, ISSN: 0944-7113, doi: 10.1016/j.phymed.2022.154218
 9. Cusato, J, Manca, A, **Palermi**, A, Mula, J, Antonucci, M, Chiara, F, De Nicolo, Amedeo, Lupia, Tommaso, Stroffolini, Giacomo, Boglione, L, D'Avolio, A (2024). Pharmacogenetics of tenofovir drug transporters in the context of HBV: Is there an impact?. *BIOMÉDECINE & PHARMACOTHÉRAPIE*, vol. 175, p. 116678-116683, ISSN: 0753-3322, doi: 10.1016/j.biopha.2024.116678
 10. Cusato, Jessica, Cafasso, Carla, Antonucci, Miriam, **Palermi**, Alice, Manca, Alessandra, Caviglia, Gian Paolo, Vernerio, Marta, Armandi, Angelo, Saracco, Giorgio Maria, D'Avolio, Antonio, Ribaldone, Davide Giuseppe (2024). Correlation between Polymorphisms of Vitamin D Metabolism Genes and Perianal Disease in Crohn's Disease. *BIOMEDICINES*, vol. 12, p. 320-329, ISSN: 2227-9059, doi:10.3390/biomedicines12020320
 11. Cusato, Jessica, Manca, Alessandra, **Palermi**, Alice, Mula, Jacopo, Avataneo, Valeria, Antonucci, Miriam, Marinaro, Letizia, Bonora, Stefano, Trunfio, Mattia, Di Perri, Giovanni, D'Avolio, Antonio, Calcagno, Andrea (2024). Host single nucleotide polymorphisms and biomarkers of neuronal damage and inflammation in people living with HIV.

INTERNATIONAL JOURNAL OF ANTIMICROBIAL AGENTS, vol. 63, p. 1-7, ISSN: 0924-8579, doi: 10.1016/j.ijantimicag.2024.107137

12. Cusato, Jessica, Mulasso, Anna, Ferrara, Micol, Manca, Alessandra, Antonucci, Miriam, Accardo, Guido, **Palermi**, Alice, Bianco, Gianluca, Chiara, Francesco, Mula, Jacopo, Maddalone, Maria Grazia, Tettoni, Maria Cristina, Cuomo, Simone, Trevisan, Giulia, Bonora, Stefano, Di Perri, Giovanni, Lupo, Corrado, Rainoldi, Alberto, D'Avolio, Antonio (2024). Studying the Changes in Physical Functioning and Oxidative Stress-Related Molecules in People Living with HIV after Switching from Triple to Dual Therapy. *ANTIOXIDANTS*, vol. 13, p. 1-13, ISSN: 2076-3921, doi: 10.3390/antiox13050518
13. Cusato, Jessica, Ribaldone, Davide Giuseppe, Falzone, Michela Helga, Manca, Alessandra, Antonucci, Miriam, **Palermi**, Alice, Saracco, Giorgio Maria, Ceccarelli, Linda, Costa, Francesco, Bottari, Andrea, Fornaroli, Ginevra, Caviglia, Gian Paolo, D'Avolio, Antonio, Bertani, Lorenzo (2024). Therapeutic Drug Monitoring as a Tool for the Clinical Outcome Prediction in Vedolizumab-Treated Patients: An Italian Pilot Study. *BIOMEDICINES*, vol. 12, p. 824-834, ISSN: 2227-9059, doi:10.3390/biomedicines12040824
14. Manca, Alessandra, Valz, Cristina, Chiara, Francesco, Mula, Jacopo, **Palermi**, Alice, Billi, Martina, Antonucci, Miriam, Nicolo, Amedeo De, Luxardo, Nicola, Imperiale, Daniele, Vischia, Flavio, De Cori, David, Cusato, Jessica, D'Avolio, Antonio (2024). Cannabinoid levels description in a cohort of patients with chronic and neuropathic pain treated with Cannabis decoction: A possible role of TDM. *BIOMÉDECINE & PHARMACOTHÉRAPIE*, vol. 175, p. 116686-116694, ISSN: 0753-3322, doi: 10.1016/j.biopha.2024.116686
15. Cusato, Jessica, Avataneo, Valeria, Antonucci, Miriam, Trunfio, Mattia, Marinaro, Letizia, **Palermi**, Alice, Manca, Alessandra, Di Perri, Giovanni, Mula, Jacopo, Bonora, Stefano, D'Avolio, Antonio, Calcagno, Andrea (2023). Antiretroviral Levels in the Cerebrospinal Fluid: The Effect of Inflammation and Genetic Variants. *DIAGNOSTICS*, vol. 13, p. 295-306, ISSN: 2075-4418, doi: 10.3390/diagnostics13020295
16. Cusato, Jessica, Manca, Alessandra, **Palermi**, Alice, Mula, Jacopo, Costanzo, Martina, Antonucci, Miriam, Chiara, Francesco, De Vivo, Elisa Delia, Maiese, Domenico, Ferrara, Micol, Bonora, Stefano, Di Perri, Giovanni, D'Avolio, Antonio, Calcagno, Andrea (2023). COVID-19: Focusing on the Link between Inflammation, Vitamin D, MAPK Pathway and Oxidative Stress Genetics. *ANTIOXIDANTS*, vol. 12, p. 1133-1145, ISSN: 2076-3921, doi: 10.3390/antiox12051133
17. Cusato, Jessica, Manca, Alessandra, **Palermi**, Alice, Mula, Jacopo, Costanzo, Martina, Antonucci, Miriam, Trunfio, Mattia, Corcione, Silvia, Chiara, Francesco, De Vivo, Elisa Delia, Ianniello, Alice, Ferrara, Micol, Di Perri, Giovanni, De Rosa, Francesco Giuseppe, D'Avolio, Antonio, Calcagno, Andrea (2023). COVID-19: A Possible Contribution of the MAPK Pathway. *BIOMEDICINES*, vol. 11, p. 1459-1469, ISSN: 2227- 9059, doi: 10.3390/biomedicines11051459
18. Manca, Alessandra, De Nicolo, Amedeo, De Vivo, Elisa Delia, Ferrara, Micol, Oh, Sharon, Khalili, Sahar, Higgins, Niamh, Deiss, Robert G, Bonora, Stefano, Cusato, Jessica, **Palermi**, Alice, Mula, Jacopo, Gianella, Sara, D'Avolio, Antonio (2023). A Novel UHPLC-MS/MS Method

- for the Quantification of Seven Opioids in Different Human Tissues. *PHARMACEUTICALS*, vol. 16, p. 903-916, ISSN: 1424-8247, doi: 10.3390/ph16060903
19. Manca, Alessandra, Mula, Jacopo, **Palermi**, Alice, Vischia, Flavio, Cori, David De, Venturello, Sara, Emanuelli, Guido, Maiese, Domenico, Antonucci, Miriam, Nicolo, Amedeo De, Vivo, Elisa Delia De, Cusato, Jessica, D'Avolio, Antonio (2023). Vitamin D impact in affecting clozapine plasma exposure: A potential contribution of seasonality. *BIOMÉDECINE & PHARMACOTHÉRAPIE*, vol. 165, p. 115103-115107, ISSN: 0753-3322, doi: 10.1016/j.biopha.2023.115103
 20. Mula, Jacopo, Chiara, Francesco, Manca, Alessandra, **Palermi**, Alice, Maiese, Domenico, Cusato, Jessica, Simiele, Marco, De Rosa, Francesco Giuseppe, Di Perri, Giovanni, De Nicolo, Amedeo, D'Avolio, Antonio (2023). Analytical validation of a novel UHPLC-MS/MS method for 19 antibiotics quantification in plasma: Implementation in a LC-MS/MS Kit. *BIOMÉDECINE & PHARMACOTHÉRAPIE*, vol. 163, p. 114790- 114803, ISSN: 0753-3322, doi: 10.1016/j.biopha.2023.114790
 21. Avataneo V., Fanelli E., De Nicolo Amedeo., Rabbia F., **Palermi** A., Pappaccogli M., Cusato J., De Rosa F. G., D'Avolio A., Veglio F. (2022). A Non-Invasive Method for Detection of Antihypertensive Drugs in Biological Fluids: The Salivary Therapeutic Drug Monitoring. *FRONTIERS IN PHARMACOLOGY*, vol. 12, p. 1-9, ISSN: 1663-9812, doi: 10.3389/fphar.2021.755184
 22. Cusato, Jessica, Bognione, Lucio, De Nicolò, Amedeo, Caviglia, Gian Paolo, Mornese Pinna, Simone, Ciancio, Alessia, Troshina, Giulia, Smedile, Antonina, Antonucci, Miriam, Avataneo, Valeria, **Palermi**, Alice, Mula, Jacopo, Manca, Alessandra, Cariti, Giuseppe, Cantù, Marco, Saracco, Giorgio Maria, Di Perri, Giovanni, D'Avolio, Antonio (2022). Factors Influencing the Intracellular Concentrations of the Sofosbuvir Metabolite GS-331007 (in PBMCs) at 30 Days of Therapy. *PHARMACEUTICALS*, vol. 15, p. 355-366, ISSN: 1424-8247, doi:10.3390/ph15030355
 23. Manca, Alessandra, Chiara, Francesco, Mula, Jacopo, **Palermi**, Alice, Maiese, Domenico, Zeaiter, Sandra, De Nicolo, Amedeo, Imperiale, Daniele, De Filippis, Giacomo, Vischia, Flavio, De Cori, David, Cusato, Jessica, D'Avolio, Antonio (2022). A new UHPLC-MS/MS method for cannabinoids determination in human plasma: A clinical tool for therapeutic drug monitoring. *BIOMÉDECINE & PHARMACOTHÉRAPIE*, vol. 156, p. 113899-113906, ISSN: 0753-3322, doi: 10.1016/j.biopha.2022.113899
 24. Manca, Alessandra, Cosma, Stefano, **Palermi**, Alice, Costanzo, Martina, Antonucci, Miriam, De Vivo, Elisa Delia, Ianniello, Alice, Borella, Fulvio, Carosso, Andrea Roberto, Corcione, Silvia, De Rosa, Francesco Giuseppe, Benedetto, Chiara, D'Avolio, Antonio, Cusato, Jessica (2022). Pregnancy and COVID-19: The Possible Contribution of Vitamin D. *NUTRIENTS*, vol. 14, p. 3275-3285, ISSN: 2072-6643, doi: 10.3390/nu14163275
 25. Avataneo, Valeria, Antonucci, Miriam, De Vivo, Elisa Delia De, Briozzo, Antonio, Cusato, Jessica, Bermond, Francesca, Vitale, Corrado, Vitale, Francesco, Manca, Alessandra, **Palermi**, Alice, Di Perri, Giovanni Di, De Rosa, Francesco Giuseppe De, De Nicolò, Amedeo De, D'Avolio, Antonio (2021). Validation and Clinical Application of a New Liquid

- Chromatography Coupled to Mass Spectrometry (HPLC-MS) Method for Dalbavancin Quantification in Human Plasma. *SEPARATIONS*, vol. 8, p. 1-13, ISSN: 2297-8739, doi: 10.3390/separations8100189
26. Cusato J., Mula J., **Palermi** A., Manca A., Antonucci M., Avataneo V., De Vivo E., Ianniello A., Calcagno A., Di Perri G., De Nicolò Amedeo, D'Avolio A. (2021). Seasonal variation of antiretroviral drug exposure during the year: The experience of 10 years of therapeutic drug monitoring. *BIOMEDICINES*, vol. 9, p. 1-8, ISSN: 2227-9059, doi: 10.3390/biomedicines9091202
 27. Cusato, Jessica, Tempestilli, Massimo, Calcagno, Andrea, Vergori, Alessandra, Piselli, Pierluca, Antonucci, Miriam, Avataneo, Valeria, **Palermi**, Alice, Notari, Stefania, Antinori, Andrea, Di Perri, Giovanni, Agrati, Chiara, D'Avolio, Antonio (2021). Vitamin D as Modulator of Drug Concentrations: A Study on Two Italian Cohorts of People Living with HIV Administered with Efavirenz. *NUTRIENTS*, vol. 13, p. 3571- 3579, ISSN: 2072-6643, doi: 10.3390/nu13103571
 28. De Nicolò Amedeo., Avataneo V., Cusato J., **Palermi** A., Mula J., De Vivo E., Antonucci M., Bonora S., Calcagno A., Di Perri G., De Rosa F. G., D'Avolio A. (2021). Analytical validation and clinical application of rapid serological tests for sars-cov-2 suitable for large-scale screening. *DIAGNOSTICS*, vol. 11, p. 1-13, ISSN: 2075-4418, doi:10.3390/diagnostics11050869
 29. De Nicolò, Amedeo, Manca, A, Ianniello, A, **Palermi**, A, Calcagno, A, Ferrara, M, Antonucci, M, Cusato, J, Avataneo, V, De Vivo, E, Bonora, S, De Rosa, FG, Di Perri, G, D'Avolio, A (2021). Development and Validation of an Up-to-Date Highly Sensitive UHPLC-MS/MS Method for the Simultaneous Quantification of Current Anti-HIV Nucleoside Analogues in Human Plasma. *PHARMACEUTICALS*, vol. 14, p. 1-15, ISSN: 1424-8247, doi: 10.3390/ph14050460
 30. De Nicolò, Amedeo, Pinon, Michele, **Palermi**, Alice, Nonnato, Antonello, Manca, Alessandra, Mula, Jacopo, Catalano, Silvia, Tandoi, Francesco, Romagnoli, Renato, D'Avolio, Antonio, Calvo, Pier Luigi (2021). Monitoring Tacrolimus Concentrations in Whole Blood and Peripheral Blood Mononuclear Cells: Inter- and Intra-Patient Variability in a Cohort of Pediatric Patients. *FRONTIERS IN PHARMACOLOGY*, vol. 12, p. 1-9, ISSN: 1663-9812, doi: 10.3389/fphar.2021.750433
 31. De Nicolò, Amedeo, Stroffolini, Giacomo, Antonucci, Miriam, Mula, Jacopo, De Vivo, Elisa Delia, Cusato, Jessica, **Palermi**, Alice, Cariti, Giuseppe, Di Perri, Giovanni, Corcione, Silvia, De Rosa, Francesco Giuseppe, D'Avolio, Antonio (2021). Long-Term Pharmacokinetics of Dalbavancin in ABSSSI and Osteoarticular Settings: A Real-Life Outpatient Context. *BIOMEDICINES*, vol. 9, p. 1288-1299, ISSN: 2227- 9059, doi: 10.3390/biomedicines9101288
 32. Avataneo, Valeria, de Nicolò, Amedeo, Cusato, Jessica, Antonucci, Miriam, Manca, Alessandra, **Palermi**, Alice, Waitt, Catriona, Walimbwa, Stephen, Lamorde, Mohammed, di Perri, Giovanni, D'Avolio, Antonio (2020). Development and validation of a UHPLC-MS/MS method for quantification of the prodrug remdesivir and its metabolite GS-441524: a tool for clinical pharmacokinetics of SARS-CoV-2/COVID-19 and Ebola virus disease. *JOURNAL OF ANTIMICROBIAL CHEMOTHERAPY*, vol. 75, p. 1772-1777, ISSN: 0305-7453, doi: 10.1093/jac/dkaa1527

I authorize the processing of my personal data pursuant to Legislative Decree 196/2003, coordinated with Legislative Decree 101/2018, and Article 13 of the GDPR (EU Regulation 2016/679) for the purposes of personnel recruitment and selection.

Last updated: 13/09/2024