

Curriculum Vitae

PERSONAL INFORMATION

Palermi, Alice

<https://orcid.org/0000-0003-0860-280X>

SciProfiles: 1625777

Scopus Author ID: 57217189973

EDUCATION

- 17/12/2018 Master Degree in Industrial Biotechnology/ Department of Life Sciences and Systems Biology, University of Turin Grade:108/110
Title of Master Degree Thesis: "Effect of inorganic nanomaterials of different nature on the enzymatic activity of β -galactosidase".
Supervisor of Master Degree Thesis: Prof.ssa Fenoglio Ivana
- 11/10/2016 Bachelor Degree in Biological Sciences Department of Life Sciences and Systems Biology, University of Turin

PROFESSIONAL QUALIFICATION

Aug. 2020 Licence to practice as Biologist

CURRENT POSITION

Nov.2021-now PhD student in Medical Physiopathology University of Turin

PREVIOUS RESEARCH AND PROFESSIONAL POSITION(S) / PARTICIPATION TO RESEARCH GROUPS

Nov.2019-Nov.2021 Research fellow in the laboratory of clinical pharmacology and pharmacogenetics of Amedeo di Savoia hospital, Department of Medical Sciences, University of Turin

PUBLICATIONS

- 1: Manca A, Chiara F, Mula J, **Palermi A**, Maiese D, Zeaiter, De Nicolò A, Imperiale D, De Filippis G, Vischia F, De Cori D, Cusato J and D'Avolio A. A new UHPLC-MS/MS method for cannabinoids determination in human plasma: a clinical tool for therapeutic drug monitoring (*accepted for publication*) Biomedicine & Pharmacotherapy
- 2: Manca A, Cosma S, **Palermi A**, Costanzo M, Antonucci M, De Vivo ED, Ianniello A, Borella F, Carosso AR, Corcione S, De Rosa FG, Benedetto C, D'Avolio A, Cusato J. Pregnancy and COVID-19: The Possible Contribution of Vitamin D. *Nutrients*. 2022 Aug 10;14(16):3275. doi: 10.3390/nu14163275. PMID: 36014781; PMCID: PMC9414046.
- 3: Manca A, **Palermi A**, Mula J, De Vivo ED, Zeaiter S, Simiele M, De Nicolò A, Cantù M, Cusato J, D'Avolio A. A description of Cannabinoid levels in Cannabis oil by high-performance liquid chromatography-mass spectrometry in a reference laboratory of North-Italy. *Phytomedicine*.

2022 Jul 20;102:154218. doi: 10.1016/j.phymed.2022.154218. Epub 2022 May 28. PMID: 35665680.

4: Cusato J, **Palermi A**, Manca A, Mula J, Antonucci M, De Nicolò A, Allegra S, De Francia S, Chiara F, Di Perri G, Rosa FG, Calcagno A, D'Avolio A. Antifungal Drug Plasma Exposures: A Possible Contribution of Vitamin D-Related Gene Variants. *Pharmaceuticals (Basel)*. 2022 May 20;15(5):630. doi: 10.3390/ph15050630. PMID: 35631455; PMCID: PMC9147809.

5: Cusato J, Boglione L, De Nicolò A, Caviglia GP, Mornese Pinna S, Ciancio A, Troshina G, Smedile A, Antonucci M, Avataneo V, **Palermi A**, Mula J, Manca A, Cariti G, Cantù M, Saracco GM, Di Perri G, D'Avolio A. Factors Influencing the Intracellular Concentrations of the Sofosbuvir Metabolite GS-331007 (in PBMCs) at 30 Days of Therapy. *Pharmaceuticals (Basel)*. 2022 Mar 15;15(3):355. doi: 10.3390/ph15030355. PMID: 35337152; PMCID: PMC8953593.

6: Avataneo V, **Palermi A**, De Nicolò A, Cusato J, Giussani G, Calcagno A, D'Avolio A. Monthly Increase in Vitamin D Levels upon Supplementation with 2000 IU/Day in Healthy Volunteers: Result from "Integriamoci", a Pilot Pharmacokinetic Study. *Molecules*. 2022 Feb 3;27(3):1042. doi: 10.3390/molecules27031042. PMID: 35164307; PMCID: PMC8840528.

7: Avataneo V, Fanelli E, De Nicolò A, Rabbia F, **Palermi A**, Pappaccogli M, Cusato J, De Rosa FG, D'Avolio A, Veglio F. A Non-Invasive Method for Detection of Antihypertensive Drugs in Biological Fluids: The Salivary Therapeutic Drug Monitoring. *Front Pharmacol*. 2022 Jan 5;12:755184. doi: 10.3389/fphar.2021.755184. PMID: 35069191; PMCID: PMC8766966.

8: De Nicolò A, Pinon M, **Palermi A**, Nonnato A, Manca A, Mula J, Catalano S, Tandoi F, Romagnoli R, D'Avolio A, Calvo PL. Monitoring Tacrolimus Concentrations in Whole Blood and Peripheral Blood Mononuclear Cells: Inter- and Intra-Patient Variability in a Cohort of Pediatric Patients. *Front Pharmacol*. 2021 Nov 5;12:750433. doi: 10.3389/fphar.2021.750433. PMID: 34803692; PMCID: PMC8602893.

9: Cusato J, Tempestilli M, Calcagno A, Vergori A, Piselli P, Antonucci M, Avataneo V, **Palermi A**, Notari S, Antinori A, Di Perri G, Agrati C, D'Avolio A. Vitamin D as Modulator of Drug Concentrations: A Study on Two Italian Cohorts of People Living with HIV Administered with Efavirenz. *Nutrients*. 2021 Oct 12;13(10):3571. doi: 10.3390/nu13103571. PMID: 34684572; PMCID: PMC8538640.

10: De Nicolò A, Stroffolini G, Antonucci M, Mula J, De Vivo ED, Cusato J, **Palermi A**, Cariti G, Di Perri G, Corcione S, De Rosa FG, D'Avolio A. Long-Term Pharmacokinetics of Dalbavancin in ABSSSI and Osteoarticular Settings: A Real-Life Outpatient Context. *Biomedicines*. 2021 Sep 22;9(10):1288. doi: 10.3390/biomedicines9101288. PMID: 34680409; PMCID: PMC8533485.

11: Cusato J, Mula J, **Palermi A**, Manca A, Antonucci M, Avataneo V, De Vivo ED, Ianniello A, Calcagno A, Di Perri G, De Nicolò A, D'Avolio A. Seasonal Variation of Antiretroviral Drug Exposure during the Year: The Experience of 10 Years of Therapeutic Drug Monitoring. *Biomedicines*. 2021 Sep 12;9(9):1202. doi: 10.3390/biomedicines9091202. PMID: 34572388; PMCID: PMC8468337.

12: **Palermi A**, Cafaro A, Barco S, Bucchioni P, Franceschini P, Cusato J, De Nicolò A, Manca A, De Vivo ED, Russo E, Cecchi F, Pigiiasco F, Lillo F, Tripodi G, D'Avolio A, Cangemi G. Analysis of Cannabinoids Concentration in Cannabis Oil Galenic Preparations: Harmonization between Three Laboratories in Northern Italy. *Pharmaceuticals (Basel)*. 2021 May 14;14(5):462. doi: 10.3390/ph14050462. PMID: 34069020; PMCID: PMC8157009.

13: De Nicolò A, 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. 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 (Basel)*. 2021 May 13;14(5):460. doi: 10.3390/ph14050460. PMID: 34068180; PMCID: PMC8153023.

14: De Nicolò A, Avataneo V, Cusato J, **Palermi A**, Mula J, De Vivo E, Antonucci M, Bonora S, Calcagno A, Di Perri G, De Rosa FG, D'Avolio A. Analytical Validation and Clinical Application of Rapid Serological Tests for SARS-CoV-2 Suitable for Large-Scale Screening. *Diagnostics (Basel)*. 2021 May 12;11(5):869. doi: 10.3390/diagnostics11050869. PMID: 34065954; PMCID: PMC8151461.

15: Avataneo V, de Nicolò A, Cusato J, Antonucci M, Manca A, **Palermi A**, Waitt C, Walimbwa S, Lamorde M, di Perri G, D'Avolio A. 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. *J Antimicrob Chemother*. 2020 Jul 1;75(7):1772-1777. doi: 10.1093/jac/dkaa152. PMID: 32361744; PMCID: PMC7197584.

16: Cusato J, Calcagno A, Antonucci M, Marinaro L, Avataneo V, De Nicolò A, **Palermi A**, Bonora S, Di Perri G, D'Avolio A. Pharmacogenetic markers able to predict lipid-related parameters in a cohort of ritonavir treated patients. *Bioclinica Clinica* 2020;44(3) 249-254

ATTENDANCE FOR SEMINARS

Sep 18 - 21, 2022	20th international congress of therapeutic drug monitoring and clinical toxicology- Prague
Jan 19-21, 2022	17th Residential Course on Clinical Pharmacology of Antiretrovirals, Turin
Sep 19 - 22, 2021	19th international congress of therapeutic drug monitoring and clinical toxicology- Rome
Jan 13-15, 2021	16th Residential Course on Clinical Pharmacology of Antiretrovirals, Turin
Jan 15-17, 2020	15th Residential Course on Clinical Pharmacology of Antiretrovirals, Turin

PRESENTATION OF PAPERS, POSTER, GIVEN SPEECHES AT CONFERENCES AND SEMINARS

The abstract, entitled "A UHPLC-MS/MS method for quantification of remdesivir and its metabolite GS-441524 in human milk" has been accepted as Oral presentation to the International Congress IATDMCT 2022 on 18-21/09/22- Prague.

The abstract, entitled "Simultaneous quantification of the anti-COVID-19 drugs remdesivir, molnupiravir and their active metabolites in human plasma" has been accepted as Oral

CV PALERMITI ALICE

presentation to the International Congress IATDMCT 2022 on 18-21/09/22- Prague.

The abstract, entitled "Intracellular tacrolimus monitoring: intra-patient medium-term variability in a cohort of paediatric patients" has been accepted as Oral presentation to the International Congress IATDMCT 2021 on 19-22/09/21- Rome.

LANGUAGE SKILLS

Native speaker: italian

Other language(s):

English, very good/B2

SOFT SKILLS

Communication skills. A strong predisposition to team working, good adaptability in multicultural environments, good communication skills acquired during the internship and the study path academic.

Organisational/Managerial skills. Good sense of organisation, fair experience in the management of projects or groups acquired during the research fellowship, internships and the study path academic, excellent synthesis and reporting skills, vision overall processes and priorities (Problem Solving)

Autonomous work/Team work abilities

Autonomous work abilities acquired from university research with thesis and internship: classical enzymology; synthesis and characterization of nanomaterials with DLS and z-potential; analysis of microbiological water (bacterial cultures for inclusion and filtration); classical serology; PCR-based methods and viral titration.

Team work abilities acquired thanks to the current research fellow activity: Therapeutic Drug Monitoring on different samples biology matrices, PBMC isolation; quantification and stability of drugs and galenic products; interface with UHPLC-MS/MS, HPLC-MS, HPLC-MS/MS SPE ONLINE and UHPLC-PDA (Waters and Perkin Elmer) instrumentations and MASSLYNX, EMPOWER and SIMPLICITY software; design validation of in vitro diagnostics according to UNI EN ISO 9001: 2015 - 13485: 2016 - 17025: 2018 standards.

Softwares /IT skills

Good knowledge of the Microsoft Office suite, fair competence of R software and SPSS statistical software, ECDL certification. Good knowledge of Windows and MacOS operating systems, good knowledge of database (PubMed) and bibliographic management software (Mendeley, Zotero) for the production of reviews.

I authorise the processing of my personal data present in the curriculum vitae pursuant to Legislative Decree 30 June 2003, n. 196 and of the GDPR (EU Regulation 2016/679)

Torino, 18/10/2022

