

## Curriculum Vitae

### PERSONAL INFORMATION

Mula Jacopo

<https://orcid.org/0000-0002-9264-0114>

#### ● EDUCATION

- 22/10/2020 Master Degree in Medical Biotechnology / Department of Medical Sciences, University of Turin  
Grade: 110/110 Title of Master Degree Thesis: "Seasonal variation of plasma antiviral drug concentrations in HIV-affected patients". Supervisor of Master Degree Thesis: Prof. D'Avolio Antonio, Co-Supervisor: Prof. Cusato Jessica
- 13/10/2017 Bachelor Degree in Biological Sciences / Department of Life Sciences and Systems Biology, University of Turin

#### ● PROFESSIONAL QUALIFICATION

- Dec.2020 License 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

- Dec.2020-Oct.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: De Nicolò A, Stroffolini G, Antonucci M, **Mula J**, De Vivo ED, Cusato J, Palermiti 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.
- 2: Manca A, Chiara F, **Mula J**, Palermiti 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*.

3: 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.

4: 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.

5: Cusato J, Bertani L, Antonucci M, Tomasello C, Caviglia GP, Dibitto S, Massano A, Mangia M, **Mula J**, Ceccarelli L, Costa F, Zanzi F, Astegiano M, Ribaldone DG, D'Avolio A. Vitamin D-Related Genetics as Predictive Biomarker of Clinical Remission in Adalimumab-Treated Patients Affected by Crohn's Disease: A Pilot Study. *Pharmaceuticals (Basel)*. 2021 Nov 27;14(12):1230. doi: 10.3390/ph14121230. PMID: 34959633; PMCID: PMC8706953.

6: 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.

7: 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.

8: Stroffolini G, De Nicolò A, Gaviraghi A, **Mula J**, Cariti G, Scabini S, Manca A, Cusato J, Corcione S, Bonora S, Di Perri G, De Rosa FG, D'Avolio A. Clinical Effectiveness and Pharmacokinetics of Dalbavancin in Treatment-Experienced Patients with Skin, Osteoarticular, or Vascular Infections. *Pharmaceutics*. 2022 Sep 6;14(9):1882. doi: 10.3390/pharmaceutics14091882. PMID: 36145630; PMCID: PMC9501058.

9: Cusato J, Boggione 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.

10: 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.

- **ATTENDANCE FOR SEMINARS**

Sep 18 - 21, 2022      20th international congress of therapeutic drug monitoring and clinical toxicology-Prague

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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

### ● ORAL PRESENTATION

The abstract, entitled “ Analytical validation of UHPLC-MS/MS Kit for plasma levels determination of 19 antibiotic molecules” has been accepted for “**Oral presentation**” to the International Congress IATDMCT 2022 on 18-21 September 2022 - Prague.

The abstract, entitled “Comparison of dalbavancin pharmacokinetics in peripheral blood mononuclear cells (PBMCs) and plasma in a clinical real-life context.” has been accepted for “**Oral presentation**” to the International Congress IATDMCT 2022 on 19-22 September 2021 – Rome.

### ● LANGUAGE SKILLS

Native speaker: italian

Other language(s):

English, very good/B2

French, fair level/ A2

### ● SOFT SKILLS

#### Communication skills

Marked predisposition to work in team, with great team spirit and adaptability; good ability to communicate and to adapt to multicultural environment acquired during fellowship and study path

#### Organizational/Managerial skills

Great organizational skills, good overall vision and priorities management with capacity of problem solving acquired during study path and fellowship

Warehouse management and supplying; experience with quality systems management software and with application of operating instructions acquired during fellowship

#### Autonomous work/Team work abilities

Autonomous work acquired during academic path and intracurricular internships: In-depth study of clinical diagnostics, specifically optical microscopy techniques, haematological tests, biochemical analysis with technical-practical activities.

Team work abilities acquired during actual fellowship, study path and intracurricular internships: Experience and application of UNI EN ISO 9001: 2015, 13485: 2016 and 17025: 2018 standards for design validation of in vitro diagnostics; pharmacogenetic analysis carried out by PCR-Real Time, aimed at the search for polymorphisms of genes associated with the metabolism of various drugs; analysis of samples on biological matrices (plasma, urine, cells) for both routine (TDM - Therapeutic Drug Monitoring) and research purposes; stability studies of drugs and galenic products using HPLC-

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MS, UHPLC-MS / MS, UHPLC-PDA methods; dosage of antiretroviral and antituberculous drugs at the intracellular level.

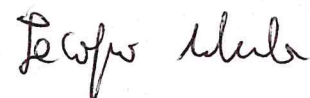
**Softwares /IT skills:**

Good knowledge of the PC, of the software related to it and of the Office software package; Use of the programming language R and of SPSS statistical software. Competence of the main scientific databases (NCBI PUBMED); good knowledge of MassLynx, Empower, Simplicity software and bibliographic management software (EndNote) for the production of reviews.

I authorize 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, 14/10/2022

Signature

Handwritten signature of Jacopo Mula in black ink.