

PERSONAL INFORMATION

CUSATO, Jessica

Born in Turin (TO), 22/11/1986

Sex: female

Nationality: Italian

ORCID: <https://orcid.org/0000-0003-1977-9694>

EDUCATION

[2008] Degree in Biological Sciences, Faculty of Science, University of Turin (107/110)

[2010] Degree in Health Biology (LM-6), Faculty of Science, University of Turin (108/110)

[2012] Professional Qualification and registration in the Biologist Board

[2016] Specialization Degree in Microbiology and Virology, Faculty of Medicine, University of Turin (70/70)

[2018] Scientific National Abilitation for Associate Professor for 05/G1 - FARMACOLOGIA, FARMACOLOGIA CLINICA E FARMACOGNOSIA sector.

[2019] PhD in Complex Systems for Life Sciences

CURRENT AND PREVIOUS POSITIONS

[09/2011-12/2019] Research fellowship for the Study of Pharmacogenetics, Pharmacokinetics and Pharmacodynamics in the "Laboratory of Clinical Pharmacology and Pharmacogenetics", University of Turin at the Amedeo di Savoia Hospital (ASL CITTA' di TORINO).

[12/2019-12/2022] Assistant Professor in Pharmacology, University of Turin.

[12/2022-today] Associate Professor in Pharmacology, University of Turin.

RESEARCH & CLINICAL ACTIVITY

[9/2009-today] Activity in the Laboratory of Clinical Pharmacology and Pharmacogenetics on the following topics:

- clinical pharmacology of anti-infectives, oncology drugs, antihypertensive drugs, CNS drugs, etc;
- pharmacogenetic studies of anti-infectives, oncology drugs, CNS drugs, etc;
- pharmacodynamic evaluation through the quantification of several biomarkers in different matrices, as whole blood, cerebrospinal fluid, urines, tissues, etc
- validation of methods and relative biomarkers quantification in different biological matrices, such as plasma, peripheral blood mononuclear cell (PBMCs) and tissues with different methods, such as enzyme linked immune sorbent assays, SiMoA (single molecule array with homebrew kits) and chromatography;
- validation of methods and relative drug quantification in different biological matrices, such as plasma, peripheral blood mononuclear cell (PBMCs) and tissues;
- systemic, intracellular and tissue pharmacokinetics of different drugs
- pharmacogenetics applied to clinics in patients receiving chemotherapy with recommendation for the posology as diagnostic service
- therapeutic drug monitoring of more than 100 drugs as diagnostic service
- personalized approaches for the individualization of therapies in the clinics

TEACHING

Pharmacology courses for Degree in Medicine, Nursing, Audiometric and Hearing Aid Techniques and School of Specialization in Infectious Diseases from 2018.

MEMBERSHIP OF SCIENTIFIC SOCIETIES

- Italian Society of Pharmacology (SIF)
- Italian Society of Clinical Chemistry and Laboratory Medicine (SIBIOC)
- International Association of Therapeutic Drug Monitoring and Clinical Toxicology (IATDMCT)
- Italian Society of Human Genetics (SIGU)

GRANTS

- **PI for CRT foundation grant 2022** for the project “Medication- related osteonecrosis of the jaw: the role of drug exposure, genetics and microbiota”
- **PI for RILO 2021** local research on the project “Physical exercise impact on anti-HIV drug exposure in people living with HIV”
- **Co-PI for RILO 2023** local research on the project “Role of non-invasive biomarkers of intestinal permeability in patients with inflammatory bowel disease”

All the projects are supervised and managed by Jessica Cusato starting from the ideation, management of fundings and reporting, Ethical Committee approval obtainment, evaluation of the methods and instruments for the lab testings, lab testings, elaboration of the data by the statistical point of view and data dissemination at national and international conferences and on scientific peer-reviewed journals, as shown in the several publications.

AWARDS

- Podium Selected Communication at 42° SIF (Sorrento, 15/11/2024)
- Victor Armstrong Award for Exceptional Scientific Achievements Early in her Career (IATDMCT, Banff, 16/09/2024)
- Award “The Binding Site” of the “Italian Society of Clinical Chemistry and Laboratory Medicine” for clinical pharmacological reserch (Padova, 21/11/2019)
- Award “Italian Society of Pharmacology and Farindustria” for pharmacological research (Rome, 20/11/2018)

BIBLIOMETRIC SCORES AND SPEAKER’S ACTIVITIES

- Invited speaker at 55 congresses, conferences, courses and seminars
- Author and/or co-author of more than **70** posters
- Author and/or co-author of **163** international scientific publications:
(<https://pubmed.ncbi.nlm.nih.gov/?term=cusato%2C+j.&sort=date>)
- Scopus (<https://www.scopus.com/authid/detail.uri?authorId=37112059200>):
H-index: **28**
Scopus citations: 2648

Curriculum Vitae Jessica Cusato

- Google Scholar

(https://scholar.google.com/citations?user=jR3tfBgAAAAJ&hl=it&oi=ao#d=gsc_md_pro-d&t=1728553985166&u=%23t%3Dgsc_md_pro_ai):

	All	Dal 2019
Citations	3754	2428
H-Index	32	21
i10-index	92	55

I authorize the processing of personal data contained in my CV based on art. 13 of Legislative Decree 196/2003.

Turin, 04/02/2025