



<b>Personal data</b>	
<i>Nome</i>	<b>Rossana Roncato</b>
<i>Data e luogo di nascita</i>	Camposampiero (PD) November 12 <sup>th</sup> , 1988
<i>Cittadinanza</i>	Italiana
<i>Indirizzo di lavoro</i>	Università degli Studi di Udine - Dipartimento di Medicina (DAME)
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<b>Educazione</b>	
2017-2022	Diploma di Specializzazione, Farmacologia e Tossicologia Clinica, Università degli Studi di Milano (cum laude)
2017	Esame di stato, Università degli Studi di Trieste
2013-2017	Dottorato di Ricerca, Farmacologia molecolare e cellulare, Università degli Studi di Padova (cum laude)
2007-2013	Laurea Specialistica in Chimica e Tecnologia Farmaceutiche, Università degli Studi di Padova (110/110)
<b>Esperienza di ricerca</b>	
2022- ongoing	Ricercatore Senior (RTD-B), Università degli Studi di Udine
2017-2022	Ricercatore post-doc, IRCCS CRO-Aviano
2021-ongoing	Collaborating Expert - Benefit-risk assessment. EMA
2014-2017	Borsista di dottorato. Farmacologia Sperimentale e Clinica, IRCCS CRO-Aviano
2012-2013	Visiting Graduate Researcher. Newton Lab, UCSD
<b>Esperienza di insegnamento</b>	
2022/2023	Correlatore della tesi sperimentale del corso di laurea in Chimica e Tecnologie Farmaceutiche "Treatment with palbociclib in metastatic breast cancer: pharmacogenetics of ADME genes to predict differences in toxicity and treatment schedule adherence". Margherita Nuti, Università degli Studi di Trieste.
2021/2022	Correlatore della tesi sperimentale del corso di laurea in Farmacia "CDK4/6 inhibitors in metastatic breast cancer: pharmacogenetics of ADME genes to predict differences in toxicity and treatment schedule adherence". Sofia Nuzzo, Università degli Studi di Padova.
2020/2021	Correlatore della tesi sperimentale del corso di laurea in Chimica e Tecnologia Farmaceutiche "Implementation of a pharmacogenetic panel as a predictive tool to toxicity outcome in the treatment of CDK4/6 inhibitors". Elena Peruzzi, Università degli Studi di Padova.
2017/2018	Correlatore della tesi sperimentale del corso di laurea in Farmacia "FARMAPRICE. Sviluppo di una piattaforma informatizzata di supporto al processo prescrittivo basato sulla farmacogenetica per una terapia farmacologica personalizzata". Silvia Mezzalana, Università degli Studi di Padova.
2020-2021	Professore a contratto, Università degli Studi di Padova
2018-2022	Seminari di farmacogenetica e farmacogenomica, Università degli Studi di Padova. Prof.ssa Chiara Bolego.
<b>Attività editoriali</b>	
2023-ongoing	Executive Editor – British Journal of Clinical Pharmacology (Oncology section)
2023- ongoing	Guest Editor for the special issue "Molecular and Pharmacological Basis of Breast Cancer Resistance to Therapies" of Biomedicines, MDPI
2022- ongoing	Topic Editor for the special issue "Pharmacogenetics: A Tool in Cancer Therapy" of Cancers, IJMS, JPM, Onco, Pharmaceuticals, MDPI
2022- ongoing	Guest Editor for the special issue "Polymorphisms of Drug Metabolizing Enzymes and Transporters" of Metabolites, MDPI
2021 - ongoing	Review Editor on the Editorial Board of Pharmacogenetics and Pharmacogenomics (specialty section of Frontiers in Genetics and Frontiers in Pharmacology)
2020-ongoing	Referee for Frontiers, Therapeutic Advances in Medical Oncology, The Pharmacogenomics Journal, BMC Cancer, Plos One, Cancer Chemotherapy and Pharmacology, Journal of Personalized Medicine, Cells, Journal of Clinical Medicine
<b>Premi e riconoscimenti</b>	
2023	Best poster prize in Pharmacogenomics at the 19 <sup>th</sup> World Congress of Basic & Clinical Pharmacology, Glasgow
2022	ESHG FELLOWSHIP for the ESHG Pharmacogenetics Course. Portorož, Slovenia
2022	Pharmacologist @ Molecular Tumor Board – Gruppo Italiano Mammella GIM25-CAPT
2022	Biomolecules 2022 Best Paper Award
2022	"Seed grant 2021" 35.000€ 5x1000
2018	SIF-Farmindustria Award 2018
2018	Best abstract award, Golden Helix Summer School, Syros Island, Greece. "Development of an integrated health IT platform for a precision medicine setting".

2017	Fellowship SIMeP Continuous Education Program (CEP) 2017
2016	Best abstract award at the Golden Helix Summer School, Syros Island, Greece, September 2016. Oral communication "A tumour genetic signature of patients prognosis and response to a platinum-based treatment in High-Grade Ovarian cancer"
2015	Best poster award at the 37th National Congress of the Italian Pharmacology Society, Napoli, October 2015. Poster "Economic burden associated with irinotecan-related toxicities according to UGT1A1*28"

### Competenze e abilità tecniche

Tecniche di coltura cellulare (western blot, DNA mutagenesis and molecular cloning techniques)
Sequenziamento (Sanger, Pyrosequencing, Taqman assay, Real time, NGS)
Analisi di TDM, interazioni farmaco-farmaco, interazioni farmaco-gene e farmaco-farmaco-gene
Counselling farmacologico
Analisi farmacoeconomiche
Produzione di lineeguida e report farmacogenetici
Analisi statistiche base

### Organizzazione di congressi

11-12/04/2024	Strategies and perspectives for the implementation of pharmacogenomics in clinical practice, Italian Society of Pharmacology (SIF), Cagliari. Scientific committee
5-7/09/2023	XXV Conference of Young SIF Pharmacologists, Italian Society of Pharmacology (SIF), Urbino. Scientific committee and chairperson.
3-4/07/2023	ISPOR for Future (GIRF), ISPOR Italy Rome Chapter, Milan. Scientific committee
13-15/06/2023	Master Class Leadership: I farmacologi 2.0. Messina. Scientific Committee
16-19/11/2022	41° Congresso Nazionale della Società Italiana di Farmacologia (SIF). Scientific committee
15-16/11/2022	XXIV SIF Seminar on Pharmacology for PhD Students, Fellows, Post Doc and Specialist Trainees, Italian Society of Pharmacology (SIF). Scientific committee and chairperson
19-20/05/2022	ISPOR for Future (GIRF), ISPOR Italy Rome Chapter, Napoli. Scientific Committee
24-26/02/2022	1st Joint meeting on Natural Products Pharmacology SIF - SIPHAR – IMGNPP Napoli. Local Organizing Committee
09-13/03/2021	40° Congresso Nazionale della Società Italiana di Farmacologia (SIF). Scientific committee
08/03/2021	XXIII SIF Seminar on Pharmacology for PhD Students, Fellows, Post Doc and Specialist Trainees, Italian Society of Pharmacology (SIF). Scientific committee and chairperson
Sept 2020- Jul 2021	3 webinars cycles "MEDICINES: REGULATORY TOOLS". In collaboration with Italian Society of Pharmacology (SIF), Italian Society of Regulatory activities, Access, Pharmacovigilance (SIARV) and Italian Society of Pharmaceutical Chemistry (SiMeF). Scientific committee

### Pubblicazioni selezionate

Number of publications= 41

h-index=16

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1.	Peruzzi E, Gerratana L, Montico M, Posocco B, Corsetti S, Bartoletti M, Gagno S, Orleni M, De Mattia E, Baraldo M, Cecchin E, Puglisi F, Toffoli G, Roncato R "Association of ADME gene polymorphisms on toxicity to CDK4/6 inhibitors in patients with HR+ HER2- metastatic breast cancer". <i>Biomedicine &amp; Pharmacotherapy</i> , 2023.
2.	Roncato R, Peruzzi E, Gerratana L, Posocco B, Nuzzo S, Montico M, Orleni M, Corsetti S, Bartoletti M, Gagno S, Canil G, De Mattia E, Angelini J, Baraldo M, Puglisi F, Cecchin E, Toffoli G "Clinical impact of body mass index on palbociclib treatment outcomes and effect on Exposure". <i>Biomedicine &amp; Pharmacotherapy</i> , 2023.
3.	Swen JJ, van der Wouden CH, Manson LE, Abdullah-Koolmees H, Blagec K, Blagus T, Böhringer S, Cambon-Thomsen A, Cecchin E, Cheung KC, Deneer VH, Dupui M, Ingelman-Sundberg M, Jonsson S, Joefield-Roka C, Just KS, Karlsson MO, Konta L, Koopmann R, Kriek M, Lehr T, Mitropoulou C, Rial-Sebbag E, Rollinson V, Roncato R, Samwald M, Schaeffeler E, Skokou M, Schwab M, Steinberger D, Stingl JC, Tremmel R, Turner RM, van Rhenen MH, Dávila Fajardo CL, Dolžan V, Patrinos GP, Pirmohamed M, Sunder-Plassmann G, Toffoli G, Guchelaar HJ; Ubiquitous Pharmacogenomics Consortium. "A 12-gene pharmacogenetic panel to prevent adverse drug reactions: an open-label, multicentre, controlled, cluster-randomised crossover implementation study". <i>Lancet</i> , 2023.
4.	Roncato R, Gerratana L, Palmero L, Gagno S, Poetto AS, Peruzzi E, Zanchetta M, Posocco B, De Mattia E, Canil G, Alberti M, Orleni M, Toffoli G, Puglisi F and Cecchin E. "An integrated pharmacological counselling approach to guide decision making in the treatment of metastatic breast cancer with CDK4/6 inhibitors for metastatic breast cancer". <i>Frontiers in Pharmacology</i> , 2022.
5.	Roncato R, Angelini J, Pani A, Cecchin E, Sartore-Bianchi A, Siena S, De Mattia E, Scaglione F, Toffoli G. "CDK4/6 Inhibitors in Breast Cancer Treatment: Potential Interactions with Drug, Gene, and Pathophysiological Conditions" <i>Int J Mol Sci</i> , 2020.
6.	Fragoulakis V, Roncato R, Fratte CD, Ecça F, Bartsakoulia M, Innocenti F, Toffoli G, Cecchin E, Patrinos GP, Mitropoulou C. "Estimating the Effectiveness of DPYD Genotyping in Italian Individuals Suffering from Cancer Based on the Cost of Chemotherapy-Induced Toxicity". <i>Am J Hum Genet</i> , 2019.
7.	Roncato R, Dal Cin L, Mezzalana S, Comello F, De Mattia E, Bignucolo A, Giollo L, D'Errico S, Gulotta A, Emili L, Carbone V, Guardascione M, Foltran L, Toffoli G, Cecchin E. "FARMAPRICE: A Pharmacogenetic Clinical Decision Support System for Precise and Cost-Effective Therapy". <i>Genes</i> , 2019.
8.	Toffoli G, Innocenti F, Polesel J, De Mattia E, Sartor F, Dalle Fratte C, Ecça F, Dreussi E, Palazzari E, Guardascione M, Buonadonna A, Foltran L, Garziera M, Bignucolo A, Nobili S, Mini E, Favaretto A, Berretta M, D'Andrea M, De Paoli A, Roncato R*, Cecchin E*. "The Genotype for DPYD Risk Variants in Patients with Colorectal Cancer and the Related Toxicity Management Costs in Clinical Practice". <i>Clin Pharmacol Ther.</i> , 2019. *co-last

9.	Roncato R, Cecchin E, Montico M, De Mattia E, Giodini L, Buonadonna A, Solfrini V, Innocenti F, Toffoli G. "Cost evaluation of irinotecan-related toxicities associated with the UGT1A1*28 patient genotype". Clin Pharmacol Ther., 2017.
10.	Toffoli G, Giodini L, Buonadonna A, Berretta M, De Paoli A, Scalone S, Miolo G, Mini E, Nobili S, Lonardi S, Pella N, Lo Re G, Montico M, Roncato R, Dreussi E, Gagno S, Cecchin E. "Clinical validity of a DPYD-based pharmacogenetic test to predict severe toxicity to fluoropyrimidines." Int J Cancer., 2015.

#### **Invitato Speaker**

22/02/2024	"Pharmacogenetics of CDK4/6 inhibitors". Focus carcinoma mammario, Udine.
26/10/2023	International Congress in Gender Perspectives in Oncology. "Gender Pharmacology: what do we need to know?" Roma
14/04/2023	CLOSER 2023: La gestione pratica della paziente con carcinoma mammario hr+/her2-: un percorso condiviso. Venezia Le interazioni farmacologiche
05/11/2022	LILT for women and men. Udine La personalizzazione della terapia nella gestione degli effetti collaterali.
20/05/2022	First GIRF congress, GRUPPO ISPOR ROMA FOR FUTURE. Napoli Value-based prescribing in oncology: the case of predictive biomarkers
23/03/2022	PHARMA HUB WEEK. Milano Digitization, clinical studies and regulatory trends
15/03/2018	Convegno Monotematico SIF - New and old challenges for clinical pharmacology: from therapeutic drug monitoring to pharmacogenetics and pharmacovigilance". Napoli. Development of an integrated digital health platform for precise and cost-effective therapy in oncology

#### **Membership**

2023-ongoing	British Pharmacological Society
2022 - ongoing	ISPOR - Member
2021- 2022	Pharmacogenomics Global Research Network - Member
2019 - ongoing	Elected Member of the Italian Young Pharmacologist Board
2019 – ongoing	Clinical Pharmacology Section, Gianpaolo Velo (SIF) – Member
2019 – ongoing	Cancer Pharmacology Working Group – Member
2014 - ongoing	Italian Society of Pharmacology (SIF) - Member

Pordenone, 22/09/2023

Rossana Roncato, PharmD PhD