Curriculum Vitae- Erika Cecchin

Name: Erika Cecchin

Current job: Responsabile SOSD Farmacologia Sperimentale e Clinica - CENTRO DI RIFERIMENTO ONCOLOGICO di Aviano (CRO)- IRCCS, National Cancer Center

Institute address: via Franco Gallini, 2- 33081- Aviano (PN)- Italy

Education/Training

06/11/2023 - University of Milan, Italy; Specialization in Clinical Pharmacology and Toxicology; "Impact of *DPYD*9A, DPYD C.496A>G, DPYD*6*, and related haplotypes on the development of severe toxicity to fluoropyrimidines in patients enrolled in the U-PGX/ PREPARE prospective randomized clinical study"

10/03/2006 - University of Padova, Italy; PhD in Medicinal Sciences; "Pharmacogenetics markers of toxicity and response to chemotherapy in advanced colorectal cancer patients, first line treated with an irinotecan-based regimen"

02/10/2000 University of Padova, Italy; Degree in Medicinal Chemistry and Technology Pharmaceutical sciences

1998 -Chemistry Department of the University of Wales, Bangor (U.K.) Stage in Synthesis of nucleic acid base derived for ring opening metathesis polymerization

Positions

Dal 01/12/2025: Centro di Riferimento Oncologico (National Cancer Institute) Experimental and Clinical Pharmacology, Responsabile SOSD Farmacologia Sperimentale e Clinica

Dal 14/06/2024 al 30/11/2025: Centro di Riferimento Oncologico (National Cancer Institute) Experimental and Clinical Pharmacology, Sostituto Direttore SOC Farmacologia Sperimentale e Clinica

Dal 30/12/2005 al 14/06/2024: Centro di Riferimento Oncologico (National Cancer Institute) Experimental and Clinical Pharmacology, PharmD, Resident Pharmacologist- Supervisor Pharmacogenomics Laboratory

Dal 01/01/2002 al 29/12/2005: Centro di Riferimento Oncologico (National Cancer Institute) Experimental and Clinical Pharmacology, Research fellow

Dal 04/01/2001 al 31/12/2001: University of Padova Medicinal Chemistry Department -Padova, Italy -Research fellow

Dal 03/10/2000 al 03/01/2001: Istituto Nazionale Tumori (National Cancer Institute)-Experimental Oncology - Milan, Italy -Research fellow

Dal 03/10/2000 al 30/04/2001 Professional training in community pharmacy "Dr. Borsatti", Pordenone

Other professional affiliations

-Member of the Academic Board of the School of Doctorate in PERSONALIZED MEDICINE AND INNOVATIVE THERAPIES, University of Trieste (since 2025)

-Contract Professor School of Clinical Pharmacology and Toxicology, University of Trieste (since 2024)

-Member of the Academic Board of the School of Clinical Pharmacology and Toxicology, University of Trieste (since 2024)

-Member of the Academic Board of the School of Doctorate in Molecular Medicine, University of Udine (since 2017)

-Qualification to the profession of Pharmacist (University of Padova, 2001)

-Registration in the Register of Pharmacists of Pordenone (since 2005)

-Member of the Scientific Committee of PharmaDIAGEN, pharmacogenetic spin-off, (2009 - 2015).

-Member of the Independent Ethical Committee of the CRO in Aviano as an expert in Pharmacology (2014- 2016)

-Coordinator 'DPYD/ UGT1A1' accreditation scheme for laboratories External Quality Assessment-EMQN (European Molecular Genetics Quality Network) (2019-

Editorial Boards/ Scientific Societies

- Member of Executive Board of European Society of Pharmacogenomics and Personalized Medicine (ESPT) (since 2024)

- Chair 'Pharmacogenetic Committee' of International Association for the International Association for Therapeutic Drug Monitoring and Clinical Toxicology (IATDM-CT) (since 2025)

- Vice-Chair 'Pharmacogenetic Committee' of International Association for the International Association for Therapeutic Drug Monitoring and Clinical Toxicology (IATDM-CT) (2023-2025)

- Councilor 'Pharmacogenetics, Drug Metabolism and Transport Committee' of International Union of Basic and Clinical Pharmacology (IUPHAR) (since 2017)

- Councilor 'Pharmacogenomic Working Group' Italian Society of Pharmacology (SIF)- (since 2014)

-Member of Ubiquitous Pharmacogenomics Consortium (www.upgx.eu) (since 2015)

-Academic Editor *for PlosONE, World Journal of Gastroenterology, World Cancer Research Journal, The Pharmacogenomics Journal*

Awards and Honors:

2010: awarded with the 'Guido Berlucchi Foundation' prize for young researchers

2009: winner of Start-Cup FVG 2009 -innovation prize- as co-founder of Spin-Off Pharmadiagen

Research Grants

- Principal Investigator. '"STAR: Sistema per il Therapeutic drug monitoring, Automatizzato e Riutilizzabile per oncologia di precisione". L.R. 22/2022, articolo 7, commi 56 – 61. "Sostegno a progetti di validazione di idee e tecnologie innovative che prevedano il raggiungimento di un TRL 6, 7 o 8" – 2° Sportello.

-Principal Investigator. 'Farmacogenetica, Monitoraggio Terapeutico dei farmaci (TDM) e Farmacovigilanza attiva quali strumenti innovativi finalizzati all'ottimizzazione/appropriatezza della terapia farmacologica e alla minimizzazione dei rischi di ADRs nella pratica clinica: un approccio multidisciplinare esportabile a livello nazionale'. Fondi AIFA 2015-2016-2017, (quota del 20% del fondo residuo disponibile per i progetti regionali in applicazione dell'Accordo Stato Regioni 9 giugno 2019 (punto 7.3)

-Principal Investigator. POR FESR 2014-2020. Attività 1.3.b. DGR n. 849/2016. Pratica n. 24195/2016 "Integrated platform for anti-tumor FARMAcological therapy of PRecIsione and Cost-Effective - FARMAPRICE"

-Associated Investigator. Ricerca Finalizzata RF-2021-12374355. "Development of a multiparametric model based on host and tumor immune-related features for predicting complete pathological response to neoadjuvant chemoradiation in locally advanced rectal cancer."

-Associated Investigator. CEE Anno 2016 H2020- U-PGx grant agreement n. 668353-2 "European Union's Horizon 2020 research and innovation programme" No 668353

-Associated Investigator. Ricerca Finalizzata NET-2013-02355002 "Thalidomide, a novel immunological treatment to modify the natural history of paediatric Crohn's disease: a new proposal from a well-established paediatric research network"

Teaching activity

- Anno accademico 2024/2025: Materia: "Introduzione alla farmacogenetica e applicazione nel controllo dei costi di gestione delle tossicità" (titolo del corso: Corso di Perfezionamento in Farmacoeconomia e Terapia Personalizzata) - Ente organizzatore: Università Degli Studi di Padova (indirizzo: Via 8 Febbraio, 2 - 35122 Padova) -N. 2,00 ore di docenza

- Anno accademico 2023/2024: Incarico per attività di insegnamento (Art.23, L. 240/2010) – SSM24-54 – BIOMARCATORI DI TOSSICITA' E RISPOSTA AI FARMACI 1- Didattica curriculare DSM – Scuole di Specializzazione Mediche- Università degli Studi di Trieste (6 ore)
- Anno accademico 2023/2024: Materia: Farmacogenetica e Farmacogenomica: basi della terapia personalizzata (titolo del corso: Corso di laurea in CTF e Farmacia dell'Università degli Studi di Padova) - Ente organizzatore: Università Degli Studi di Padova Facoltà di Farmacia (indirizzo: Via 8 Febbraio, 2 - 35122 Padova) - N.4,00 ore di docenza
- Anno accademico 2023/2024: Materia: Applicazione della farmacogenomica nell'ottimizzazione dei costi di gestione delle tossicità (titolo del corso: Corso di Perfezionamento in Farmacoeconomia e Terapia Personalizzata) - Ente organizzatore: Università Degli Studi di Padova (indirizzo: Via 8 Febbraio, 2 - 35122 Padova) -N. 2,00 ore di docenza
- Anno accademico 2022/2023: Materia: Applicazione della farmacogenomica nell'ottimizzazione dei costi di gestione delle tossicità (titolo del corso: Corso di Perfezionamento in Farmacoeconomia e Terapia Personalizzata) - Ente organizzatore: Università degli Studi di Padova (indirizzo: Via 8 Febbraio, 2 - 35122 Padova) -N. 2,00 ore di docenza
- Anno accademico 2019/2020: Materia: Farmacogenetica e Farmacogenomica: basi della terapia personalizzata (titolo del corso: Farmacogenetica dei chemioterapici antitumorali) - Ente organizzatore: Università Degli Studi di Padova Facoltà di Farmacia (indirizzo: Via 8 Febbraio, 2 - 35122 Padova) - N. 4,00 ore di docenza
- Anno accademico 2013/2014: Materia: La diagnostica farmacogenetica per la personalizzazione della terapia farmacologica nel tumore colon-rettale (titolo del corso: Short Course in Diagnostica Molecolare) - Ente organizzatore: Università Degli Studi di Padova- Facoltà di Farmacia (indirizzo: Via 8 Febbraio, 2 – 35122 Padova) - N. 2,00 ore di docenza
- Anno accademico 2014/2015: Materia: Pharmacogenomics of cancer treatment (titolo del corso: Summer School in Pharmacogenomics - From Research to Clinic) – Ente organizzatore: University of Ljubljana Facoltà di Medicina (indirizzo: Kongresni trg 12, 1000 Ljubljana, Slovenia) - N. 6,00 ore di docenza
- Anno accademico 2015/2016: Materia: Clinical implementation of host pharmacogenomics: focus on colorectal cancer (titolo del corso: Summer School-Genomic Medicine Bridging research and the clinic) - Ente organizzatore: University of Ljubljana Facoltà di Medicina (indirizzo: Kongresni trg 12, 1000 Ljubljana, Slovenia) - N. 6,00 ore di docenza

Supervisor or co-supervisor of Master's degree Theses:

2025 M Gambron, Master's degree course in Pharmacy, University of Trieste

2024 AC Pisano, Master's degree course in Biotechnology, University of Trieste

2023 B Franco, Master's degree course in Chemistry and Pharmaceutical Sciences, University of Trieste

2023 E Crosara, Master's degree course in Biotechnology, University of Trieste

2023 MA Pavan, Master's degree course in Pharmacy, University of Trieste

2022 M Zinato, "Personalized therapy for oral anticancer drugs: an integrated approach based on therapeutic drug monitoring and pharmacogenetics for sunitinib and imatinib" Master's degree course in Pharmacy, University of Padova

2022 S Nuzzo, "CDK4/6 inhibitors in metastatic breast cancer: Pharmacogenetics of ADME genes to predict differences in toxicity and treatment schedule adherence", Master's degree course in Pharmacy, University of Padova

2021 E Peruzzi, "Implementation of a pharmacogenetic panel as a predictive tool to toxicity outcome in the treatment of CDK4/6 inhibitors" Master's degree course in Pharmacy, University of Padova

2019 R Borsatti, "Monitoraggio terapeutico di pazienti affetti da Tumore Stromale Gastrointestinale (GIST) mediante sequenziamento del DNA circolante e quantificazione delle concentrazioni plasmatiche di imatinib" Master's degree course in Pharmacy, University of Trieste

2018 S Mezzalira, "FARMAPRICE. Development of a computerized support platform for the prescribing process based on pharmacogenetics for personalized drug therapy" Master's degree course in Pharmacy, University of Padova

2017 C Dalle Fratte, "DPYD c.1236 / HAPB3: predictive role and clinical validity in the management of fluoropirimidine toxicity and relative impact on costs for the national health system" Master's degree course in Pharmacy, University of Padova

2013 F Lo Re, "La farmacogenetica dei miRNA nella terapia personalizzata del cancro", Master's degree course in Pharmacy, University of Padova

2012 G Della Flora, "selezione di marcatori farmacogenetici associati ai miRNA per la personalizzazione della terapia farmacologica anti-tumorale", Master's degree course in Chemistry and Pharmaceutical Sciences, University of Trieste

2011 F Ciot, "Farmacogenetica dei recettori nucleari in pazienti con carcinoma del colon retto trattati con regime FOLFIRI", Master's degree course in Chemistry and Pharmaceutical Sciences, University of Padova

2010 E Dreussi, "Nuovi approcci molecolari e bioinformatici per l'identificazione di potenziali marcatori farmacogenetici di risposta alla chemio-radioterapia

neoadiuvante in pazienti con carcinoma del retto localmente avanzato", Master's degree course in Biotechnology, University of Trieste

2008 C Zanusso, "Nuovi approcci per la caratterizzazione farmacogenetica ed epigenetica delle glutatione S-transferasi nella personalizzazione della terapia adiuvante del carcinoma colonrettale basata sulla somministrazione di oxaliplatino", Master's degree course in Chemistry and Pharmaceutical Sciences, University of Padova

2006 L Italia, "Ruolo di alcuni polimorfismi di UGT1A1, UGT1A7, UGT1A9 e aplotipi correlati, nella tossicità e risposta alla chemioterapia basata sull'irinotecano in pazienti con carcinoma colonrettale metastatico", Master's degree course in Pharmacy, University of Padova

2005 E De Mattia, "Farmacogenetica Dei Derivati del Platino nella Chemioterapia antitumorale", Master's degree course in Biotechnology, University of Trieste

Supervisor or co-supervisor of PhD Theses:

2024- Aurora Giacomin, PhD course in Biomedical and Biothecnology Science, University of Udine

2023- Eleonora Cecchin, PhD course in Biomedical and Biothecnology Science, University of Udine

2022-2025 N Milan, PhD course in Biomedical and Biothecnology Science, University of Udine

2019-2021 S Mezzalira, "Sex-specific DPYD pharmacogenomic markers of the fluoropyrimidines treatment safety and efficacy in colorectal cancer patients" PhD course in Biomedical and Biothecnology Science, University of Udine

2018-2020 C Dalle Fratte, "The role of liquid biopsies in monitoring pharmacoresistance in solid tumors" PhD course in Biomedical and Biothecnology Science, University of Udine

2017-2019 F Ecca, "Definition of common and rare germline variants related to Fluoropyrimidines toxicity to increase anti-cancer treatment safety" PhD course in Biomedical and Biothecnology Science, University of Udine

2014-2017 R Roncato, "Pharmacogenetics and therapy personalization in metastatic colorectal cancer patients treated with irinotecan" PhD course in Pharmacological Sciences, University of Padova

2012-2015 E Dreussi, "Pharmacogenetics of microRNAs for personalized anticancer treatment" PhD course in Chemistry and Pharmaceutical Sciences, University of Trieste

2008-2011 E De Mattia, "Pharmacogenetics of irinotecan in association with fluoropyrimidine (FOLFIRI) in treatment of patients with metastatic colorectal carcinoma" PhD course in Pharmacological Sciences, University of Padova

Participation in national and international conferences as an invited speaker:

- Comitato Scientifico e Speaker: '9th Congress of European Society of Pharmacogenomics and Personalised Medicine'. Rotterdam, The Netherlands, November 6-9, 2025

- Comitato Scientifico: "23° Congress of Therapeutic Drug Monitoring and Clinical Toxicology- IATDMCT 2025". Singapore, September 20-24, 2025.

- "Convegno Monotematico del GdL Farmacovigilanza, Farmacoepidemiologia, Farmacoeconomia & Real World Evidence della Società Italiana di Farmacologia". Verona, Italy, June 24, 2025.

- "European Society of Human Genetics Pharmacogenomics Course". Portoroz, Slovenia, June 04-06, 2025.

- "European Society of Human Genetics Conference 2025". Milano, Italy, May 24-27, 2025.

- "Life 2 Women – Il trattamento della paziente HR+ e HER2- dall'adiuvante al metastatico". Iseo, Italy, May 23, 2025.

- "Oncologia di precisione: uno sguardo al futuro – Il CRO incontra "La Sapienza". Aviano CRO, Italy, April 29, 2025.

- "EIT Morning Health Talks - The role of data in life sciences research: insights and perspectives . Trieste, Italy, April 16, 2025.

- Webinar "K-SYNC Harmonizing breast cancer expertise". Aviano CRO, Italy, 09 April, 2025.

- Webinar "Clinical implementation of pharmacogenomics in oncology". IVPN Network, February 23, 2025.

- "Focus sul carcinoma mammario – XXII edizione". Udine, Italy, February 20-21, 2025.

- Comitato Scientifico: "22° Congress of Therapeutic Drug Monitoring and Clinical Toxicology- IATDMCT 2024". Banff, Canada, September 19-22, 2024.

- "42° Congresso Nazionale della Società Italiana di Farmacologia". Sorrento, Italy, November 13- 16, 2024.

- "Training course on germline and somatic Pharmacogenetics". Cagliari, Italy, September 12-13, 2024.

- "Congressus Pharmaceuticus Hungaricus XVII. AND EUFEPS Annual Meeting 2024". Debrecen, Hungary, May 2024.

- Comitato Scientifico: CONVEGNO MONOTEMATICO SIF "Strategies and perspectives for the implementation of pharmacogenomics in clinical practice" Gruppo di Lavoro Farmacogenetica. Cagliari, Italy, April 11-12, 2024.

- "7th European Society of Personalized Medicine- ESPT". Copenhagen, Denmark, October 26-28, 2023.

- "19th World Congress Of Basic & Clinical Pharmacology". Glasgow, United Kingdom, July 3-7, 2023.

- "European Society of Human Genetics Pharmacogenetics Course". Portoroz, Slovenia, September 22-24, 2022.

- "41° Congresso Nazionale della Società Italiana di Farmacologia". Roma, Italy, November 16-19, 2022.

- "Le interazioni Farmacologiche", Evento Formativo Residenziale, "La gestione pratica della paziente con carcinoma mammario hr+/her2-: un percorso condiviso". Padova, Italy, April 5-6, 2022.

- “Implementation of pharmacogenetics in the oncological clinical practice: the experience of an Italian IRCCS- Cancer Research Center”, 19° Congress of Therapeutic Drug Monitoring and Clinical Toxicology- IATDMCT 2021. Roma, Italy, September 19-22, 2021.
- “Pharmacogenetic testing in oncology”, the 7th U-PGx Personalized Medicine Day. On-line, March 24th, 2021.
- “Pharmacogenomics to refine multi-modality treatment in locally advanced rectal cancer”, 40° Congresso nazionale SIF - Societa' Italiana di farmacologia. On-line, March 8-18, 2021.
- “Pharmacogenetics Implementation in clinical practice”, 39° Congresso nazionale SIF - Societa' Italiana di farmacologia. Firenze, Italy, November 20-23, 2019.
- “Farmacologia e farmacogenomica in oncologia: alle origini della target therapy”, Medicina personalizzata e ruolo del farmacista clinico: management di reazioni avverse e interazioni nelle target terapie. CRO Aviano, Italy, September 26, 2019.
- “Clinical implementation of pharmacogenomic markers to increase treatment safety in oncology“,47th ESCP Symposium on Clinical Pharmacy. Belfast, Northern Ireland, October 24-26, 2018.
- "Pharmacogenomics in oncology, from discovery to clinical implementation", 5th U-PGx Personalised Medicine Day. Liverpool, United Kingdom, September 21, 2018.
- “Clinical use of PGx guided therapy-focus on oncology”, UPGx Summer School- Towards Pharmacogenomics in Clinic. Bonn, Germany, August 23, 2018.
- “Analisi del profilo genetico dell’ospite per definire la risposta e la tossicità al trattamento di combinazione chemio-radioterapico neo adiuvante nel tumore del retto localmente avanzato” Nuove Frontiere in Radioterapia AIRO Lombardia meeting. Como, Italy, March 24, 2018.
- “Pharmacogenomics to increase anti-cancer drugs safety, from research to clinical implementation” 3rd U-PGx Day- Golden Helix. Toulouse, France, November 17, 2017.
- “Pharmacogenomics of Colorectal Cancer: From Discovery to Clinical Implementation and Back” EACPT Congress 2017. Prague, Repubblica Ceca, June 24-27, 2017. Cit. Clinical Therapeutics, Vol. 39, Issue 8, e102–e103- August 2017.
- “Tailoring the treatment in colorectal cancer patients: research and clinical application in the field of the host pharmacogenomics” Golden Helix Summer School. Syros, Greece, September 22-26, 2016.
- “La farmacogenomica come guida al miglior utilizzo dei farmaci citossici e target nei tumori ovarici” Evento Formativo ECM-“ Il Dipt di Ricerca Traslazionale incontra il Dpt Medico, Chirurgico e radioterapico: Nuovi approcci nei tumori femminili (Neoplasie dell’ovaio). CRO Aviano, Italy, June 28, 2016.
- “Clinical implementation of host pharmacogenomics: focus on colorectal cancer” Summer School-Genomic Medicine – Bridging research and the clinic. ”. Portoroz, Slovenia, May 3-7 2016.
- “Tailoring the treatment in colorectal cancer patients: research and clinical application in the field of the host pharmacogenomics” Workshop for high school and university lecturers Pharmacogenomics - From Research to Clinic Faculty of Medicine, University of Ljubljana. Slovenia, June 8-10, 2015.
- “Tailoring the treatment in colorectal cancer patients: research and clinical application in the field of the host pharmacogenomics” Young Investigator Event. CRO Aviano, Italy, May 25-26, 2015.
- “La farmacogenetica nella gestione del paziente con tumore colorettale, l’esperienza traslazionale al CRO di Aviano” VI Congresso FITELAB 2015- Slow Medicine Laboratory: IT’s the Future. Ospedale Borgo Roma , Verona, Italy, October 3-5, 2015.

- **"**La farmacogenetica nella gestione del paziente con tumore colorettale, l'esperienza traslazionale al CRO di Aviano" Convegno SIGN 2014- La genetica oggi in oncologia. CRO Aviano**,** Italy January 24, 2014.
- "Profilo Farmacogenetico dell'Ospite: Aspetti Applicativi e Prospettive" Convegno "Carcinoma del retto: approcci innovative nella personalizzazione della terapia". CRO Aviano, Italy, April 14, 2014.
- **"**Pharmacogenetics and prediction of toxicity: from bench to bed-side**"** 8th STAR NETWORK MEETING 2013. Lerici, Italy, November 2013.
- **"**Clinical validity of *UGT1A1*28* genotyping in the management of metastatic colorectal cancer patients: the CRO translational experience". 36° Congresso SIF. Torino, Italy, October 2013.
- "Carcinoma del retto: caratterizzazione farmacogenetica" Convegno: "Società Italiana Tumori- il carcinoma del retto". CRO Aviano, Italy, May 27, 2011.
- La sindrome post-finasteride "valutazione farmacogenetica di pazienti con sindrome post-finasteride". Ospedale Cattinara, Trieste, Italy, September 16, 2011.
- "Personalizzare la terapia farmacologica ovvero farmacogenetica: dalla teoria alla pratica: esperienze all'IRCCS del CRO di Aviano". Centro Congressi, Trieste, Italy, October 7 2011.
- **"**Genetic profiles for prediction of response to radiotherapy - From pharmacogenetics to personalized cancer therapy". Aviano CRO, Italy, December 14, 2009.

Peer-reviewed publications:

1. Elena De Mattia, Yoomi Park, Elena Peruzzi, Yitian Zhou, Rossana Roncato, Jerry Polesel, Lucia Scarabel, Matthias Schwab, Henk-Jan Guchelaar, Jesse Joachim Swen, Michele Spina, Fabio Puglisi, Giuseppe Toffoli Volker M. Lauschke and **Erika Cecchin**, Integration of germline pharmacogenomic burden to predict fluoropyrimidine-related toxicity – A secondary analysis of the PREPARE trial. **Oncogene**; 2025; https://doi.org/10.1038/s41388-025-03587-7.

2. R Roncato, S Perfler, D Pasin, E Peruzzi, M Woodcock, H Thomas, R Goodall, SJ Patton, **E Cecchin**, Uptake of DPYD and UGT1A1 testing in Italy and adherence topharmacogenetic guidelines: A 5-year perspective from anEQA provider. **Br J Clin Pharmacol**. 2025;1–12. DOI: 10.1002/bcp.70247

3. Guchelaar HJ, van der Wouden CH, Manson LEN, Abdullah-Koolmees H, Blagec K, Blagus T, Böhringer S, **Cecchin E**, Cheung KC, Deneer VHM, Jonsson S, Joefield-Roka C, Just KS, Karlsson MO, Konta L, Koopmann R, Kriek M, Lehr T, Mitropoulou C, 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, Swen JJ; Ubiquitous Pharmacogenomics Consortium. **Clin Pharmacol Ther.** Pharmacogenetic Implementation Studies-Lessons Learned From the PREPARE Study. VOLUME 118 NUMBER 4 | October 2025. doi: 10.1002/cpt.3749. PMID:40552566

4. Dal Bo M, Gambirasi M, Vruzhaj I, **Cecchin E**, Pishdadian A, Toffoli G, Safa A. Targeting Aging Hallmarks with Monoclonal Antibodies: A New Era in Cancer Immunotherapy and Geriatric Medicine. **Int J Mol Sci.** 2025 May 22;26(11):4982. doi: 10.3390/ijms26114982.PMID: 40507795 Free PMC article. Review.

5. Orleni M, Gagno S, Cecchin E, Montico M, Buonadonna A, Fumagalli A, Guardascione M, Puglisi F, Toffoli G, Posocco B, **Cecchin E** Imatinib and norimatinib therapeutic monitoring using dried blood spots: Analytical and clinical validation, and performance comparison of volumetric collection devices. **J Chromatogr B Analyt Technol Biomed Life Sci.** 2025 Apr 1;1255:124526. doi: 10.1016/j.jchromb.2025.124526. Epub 2025 Feb 18.PMID: 39985852

6. Pharmacogenetic Information on Drug Labels of the Italian Agency of Medicines (AIFA): Actionability and Comparison Across Other Regulatory Agencies. Moschella A, Mourou S, Perfler S, Zoroddu E, Bezzini D, Soru D, Trignano C, Miozzo M, Squassina A, **Cecchin E#,** Floris M. **Clin Transl Sci.** 2025 Feb;18(2):e70138. doi: 10.1111/cts.70138.PMID: 39910906 Free PMC article.

7. Zudeh G, Selvestrel D, Bramuzzo M, **Cecchin E**, D'Andrea M, Stankovic B, Kotur N, Zukic B, Dragasevic S, Decorti G, Stocco G, Lucafò M NLRP3 promoter methylation as a predictive biomarker for glucocorticoid response in patients with inflammatory bowel disease. **Biomed Pharmacother**. 2025 Jan 17;183:117824. doi: 10.1016/j.biopha.2025.117824.

8. Roncato R, Bignucolo A, Peruzzi E, Montico M, De Mattia E, Foltran L, Guardascione M, D'Andrea M, Favaretto A, Puglisi F, Swen JJ, Guchelaar HJ, Toffoli G, **Cecchin E**.Clinical Benefits and Utility of Pretherapeutic DPYD and UGT1A1 Testing in Gastrointestinal Cancer: A Secondary Analysis of the PREPARE Randomized Clinical Trial. **JAMA Netw Open**. 2024 Dec 2;7(12):e2449441. doi: 10.1001/jamanetworkopen.2024.49441.

9. De Mattia E, Polesel J, Scarabel L and **Cecchin E#** (2024) Clinical implications of a gain-of function genetic polymorphism in DPYD (rs4294451) in colorectal cancer patients treated with fluoropyrimidines. Front. Pharmacol. 15:1516375. doi: 10.3389/fphar.2024.1516375

10. Gagno S, Posocco B, Orleni M, Cecchin Ele, Fumagalli A, Guardascione M, Buonadonna A, Polesel J, Puglisi F, Toffoli G, **Cecchin E**. Increased plasma imatinib exposure and toxicity in chronically treated GIST patients with SARS-CoV-2 infection: a case series. **Front Immunol**. 2024 Oct 9;15:1441620. doi: 10.3389/fimmu.2024.1441620. eCollection 2024. PMID: 39445010. **IMPACT FACTOR**

11. Cecchin Ele, Orleni M, Gagno S, Montico M, Peruzzi E, Roncato R, Gerratana L, Corsetti S, Puglisi F, Toffoli G, **Cecchin E#**, Posocco B. Quantification of Letrozole, Palbociclib, Ribociclib, Abemaciclib, and Metabolites in Volumetric Dried Blood Spots: Development and Validation of an LC-MS/MS Method for Therapeutic Drug Monitoring. **Int J Mol Sci**. 2024 Sep 27;25(19):10453. doi: 10.3390/ijms251910453. PMID: 39408783. **IMPACT FACTOR**

12. Elena Peruzzi, Bianca Posocco, Lorenzo Gerratana, Margherita Nuti1, Marco Orleni, Sara Gagno, Elena De Mattia, Fabio Puglisi, **Erika Cecchin**, Giuseppe Toffoli and Rossana Roncato. Exploring pharmacokinetic variability of palbociclib in HR+/HER2- metastatic breast cancer: a focus on age, renal

function, and drug–gene interactions. **Front. Pharmacol**. 2024. 15:1420174. doi: 10.3389/fphar.2024.1420174. **IMPACT FACTOR**

13. Roncato, R., Polesel, J., Tosi, F., Peruzzi, E., Brugugnoli, E., Pantano, C.L., Furfaro, M., Girolamo, F.D., Nani, A., Pani, A., Milan, N., Mattia, E.D., Sartore-Bianchi, A., **Cecchin, E.** The challenge of molecular selection in liver-limited metastatic colorectal cancer for surgical resection: a systematic review and meta-analysis in the context of current and future approaches (2024) **Oncology Research**, 32 (9), pp. 1407-1422. **IMPACT FACTOR**

14. De Mattia, E., Milan, N., Assaraf, Y.G., Toffoli, G., **Cecchin, E.** Clinical Implementation of Rare and Novel DPYD Variants for Personalizing Fluoropyrimidine Treatment: Challenges and Opportunities (2024) **International Journal of Biological Sciences**, 20 (10), pp. 3742-3759. **IMPACT FACTOR**

15. Milan, N., Navarria, F., **Cecchin, E#**., De Mattia, E. Somatic pharmacogenomics in the treatment prognosis of locally advanced rectal cancer patients: a narrative review of the literature (2024) **Expert Review of Clinical Pharmacology**, 17 (8), pp. 683-719. **IMPACT FACTOR**

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• autorizza il trattamento dei dati personali contenuti nel mio curriculum vitae in base all’art. 13 del D. Lgs. 196/2003 e all’art. 13 del Regolamento UE 2016/679 relativo alla protezione delle persone fisiche con riguardo al trattamento dei dati personali.

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Aviano, 18 Novembre 2025

Il Dichiarante

Dott.ssa Erika Cecchin
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