

CURRICULUM VITAE

PERSONAL INFORMATION



Giada Mercanile

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📅 **Date of birth:** 16/03/1999 | 🇮🇹 **Nationality:** Italian

EDUCATION AND TRAINING

Master's degree in Medical Biotechnology (LM-9)

University of Modena and Reggio Emilia (Modena)

20/12/2021-12/04/2024

Graduation date: 12 April 2024

Final grade: 105/110

Thesis title: *Increased ovarian cancer and colorectal cancer cell sensitivity to platinum drugs and to traditional and novel TS inhibitors by electroporation*

Supervisor: Prof. Gaetano Marverti; Co-supervisor: Prof. Maria Paola Costi

Bachelor's degree in Biotechnology (L-2)

University of Modena and Reggio Emilia (Modena)

24/09/2018-14/12/2021

Graduation date: 14 December 2021

Final grade: 105/110

Thesis title: *Analisi strutturale di hTEAD4 con metodi biofisici innovativi*

Supervisor: Prof. Maria Paola Costi; Co-supervisors: Dr. Giulia Malpezzi, Dr. Lorenzo Tagliazucchi

High School Diploma

Liceo Scientifico A. Tassoni, Modena, Italy

15/09/2013-05/07/2018

Final grade: 90/100

RESEARCH EXPERIENCE

From 01/09/2024 -
Ongoing

Research fellow

University of Modena and Reggio Emilia (Modena)

Department of Medical and Surgical Sciences for Children & Adults

Project title: *Smart injectable Hydrogels carrying multi-functional nano-systEms to tackle chRonic wound biOfilm through an antibiotic-free approach (HERO)*

Supervisor: Prof. Cristina Magnoni

Collaboration at the UNIMORE Laboratory in Baggiovara, Department of Biomedical, Metabolic and Neuroscience Sciences, University of Modena and Reggio Emilia (Baggiovara Hospital, Modena), referent Prof. Livio Casarini.

Main techniques used:

- 2D and 3D cell cultures
- Transfection methods
- Cell cytotoxicity analysis by MTT assay
- BRET/FRET techniques
- Western blot
- Nucleic acid extraction
- Real-time PCR
- Techniques for isolation of human granulosa cells from follicular fluids and for isolation of human melanocytes, keratinocytes, and fibroblasts from tissue

From 03/11/2023 to
29/03/2024

Internship in the laboratory of Biochemistry and Pharmacobiology (Department of Biomedical, Metabolic and Neuroscience Sciences, UNIMORE, referent Prof. Gaetano Marverti) and Molecular Oncology (Department of Biomedical, Metabolic and Neuroscience Sciences, UNIMORE, referent Prof. Domenico D'Arca)

Main techniques used:

- 2D cell cultures
- Evaluation of the effects of drugs and combinations thereof on cell growth inhibition (by cytotoxicity analysis with Crystal violet assay)
- Cell cycle analysis by cytofluorimetry
- Western blot
- Real-time PCR

From 28/06/2021 to
13/12/2021

Internship in the laboratory of Drug discovery and biotechnology (Department of Life Sciences, UNIMORE, referent Prof. Maria Paola Costi)

Main techniques used:

- Site-directed mutagenesis by PCR reaction
- Bacterial transfection techniques for expression of mutagenized proteins or plasmid DNA
- Protein purification
- Use of HPLC UV-Vis instrumentation, UHPLC coupled with Q Exactive mass spectrometer (Orbitrap) and Akta Prime FPLC system

TEACHING EXPERIENCE

From 01/09/2024 -
Ongoing

Student Mentoring and Thesis Supervision

Dr. Martina Vitto, Master's degree in Biosciences, Department of Biomedical, Metabolic and Neuroscience Sciences, UNIMORE. Title: "Studio *in vitro* sulle differenze tra due preparazioni commerciali di FSH nell'attivazione della via cAMP-dipendente", A.A. 2024/25. Supervisor: Dr. Clara Lazzaretti; Co-supervisors: Prof. Livio Casarini, **Dr. Giada Mercanile**

A.A. 2025/26

Internship guide for students of Biomedical Laboratory Techniques (TLB, UNIMORE)

WORK EXPERIENCE

From 01/09/2024 -
Ongoing

Research fellow

University of Modena and Reggio Emilia (Modena)

Department of Medical and Surgical Sciences for Children & Adults

Project title: *Smart injectable Hydrogels carrying multi-functional nano-systEms to tackle chRonic wound biOfilm through an antibiotic-free approach (HERO)*

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- Western blot
- Nucleic acid extraction
- Real-time PCR
- Techniques for isolation of human granulosa cells from follicular fluids and for isolation of human melanocytes, keratinocytes, and fibroblasts from tissue

PERSONAL SKILLS

Mother tongue(s)

ITALIAN

Other language(s)

ENGLISH

FRENCH

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B2	B2	B1	B1	B1
A2	A2	A1	A1	A1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
Common European Framework of Reference for Languages

Communication skills

I am a collaborative person, able to work in a team, inclined to listen and ready to challenge and question myself

Digital skills

Windows operating system, Office package (Word, Excell, Power Point), R and RStudio, GraphPad-Prism, ImageJ

MEMBERSHIP

European Society of Endocrinology (ESE)

Web site: [Home | ESE \(ese-hormones.org\)](https://www.eese-hormones.org)

Network for Young Researchers in Andrology of the European Academy of Andrology (NYRA-EAA) Society

Web site: [Home - NYRA](https://www.nyra-eaa.org)

GRANTS

2026

"ESE Basic Science Meeting Grant" awarded by "European Society of Endocrinology" 9-12 May 2026, Prague, Czech Republic (400 €)

PUBLICATIONS

2024

Marverti, G; Moschella, MG; Belardo, A; Lamesta, M; **Mercanile, G**; Tagliazucchi, L; Aiello, D; Venturelli, A; Illuminati, D; Guerrini, R; Losi, L; Ponterini, G; Costi, MP; D'Arca, D. "Enhanced anticancer effect of thymidylate synthase dimer disrupters by promoting intracellular accumulation"; *Frontiers in Pharmacology*, 2024, DOI: [10.3389/fphar.2024.1477318](https://doi.org/10.3389/fphar.2024.1477318)

2026 (under review)

Lazzaretti, C; **Mercanile, G**; Perri, C; Mascolo, E; Sperduti, S; Fusco, C; Baschieri, L; Simoni, M; Casarini, L. "Preparations of recombinant follicle-stimulating hormone (FSH) α and δ induce different intracellular signals in vitro". Submitted to *Molecular and Cellular Endocrinology*, under review, 2026.

2026 (under review)

Marverti, G; Belardo, A; **Mercanile, G**; Aiello, D; Venturelli, A; Costi, M.P; D'Arca, D. "Increased Ovarian and Colorectal Cancer Cell Sensitivity to Platinum Drugs and innovative TS Inhibitors by Electroporation". Submitted to *Frontiers in Pharmacology*, under review, 2026.

PUBLIC ENGAGEMENT ACTIVITY

Notte della ricerca 2023

29/09/2023

Via San Geminiano 3, Modena, Italia

Science communication activities at the stand entitled "Come nasce un farmaco? Dalle prime fasi di sviluppo al paziente, senza trascurare gli aspetti ambientali"

POSTER PRESENTATIONS

Mercanile, G; Perri, C; Lazzaretti, C; Sperduti, S; Fusco, C; Simoni, M; Magnoni, C; Casarini, L. *GPER-MC1R heteromers activate cAMP-mediated melanin production in human skin cells*, ESE Summer School, Tyrolean Education Institute Grillhof (TBI-Grillhof), Grillhofweg 100, 6080 Innsbruck, Austria; 22-25 June 2025

Fusco, C; Provetta, A; Perri, C; **Mercanile, G**; Lazzaretti, C; Sperduti, S; Poti, F; Simoni, M; Casarini, L. *S1PR1 allosteric inhibition of FSHR-mediated cAMP Signalling*, ESE Summer School, Tyrolean Education Institute Grillhof (TBI-Grillhof), Grillhofweg 100, 6080 Innsbruck, Austria; 22-25 June 2025

Perri C, **Mercanile G.**, Lazzaretti C., Fusco C., Sperduti S., Simoni M., Magnoni C., Casarini L. *GPER-MC1R heteromers activate cAMP-mediated melanin production in human skin cells*. "i-GPCR net 2025", 7-9 July 2025, Barcellona, Spain

Mercanile, G; Lazzaretti, C; Mascolo, E; Sperduti, S; Perri, C; Fusco, C; Simoni, M; Casarini L; Rekovelle® vs Gonat-F®: *in vitro* characterization of intracellular signals induced by the two FSH preparations. EYES Meeting 2025, Milano, Italy; 26-28 September 2025

Fusco, C; Provetta, A; Perri, C; **Mercanile, G**; Lazzaretti, C; Sperduti, S; Poti, F; Simoni, M; Casarini, L. *S1PR1 allosteric inhibition of FSHR-mediated cAMP Signalling*. EYES Meeting 2025, Milan, Italy; 26-28 September 2025

Mercanile, G; Perri, C; Lazzaretti, C; Sperduti, S; Simoni, M; Magnoni, C; Casarini L; *G-protein coupled estrogen receptor (GPER) modulates melanin production* European congress of Endocrinology (ECE) 2026 Praga (CZE), 9-12 May 2026

Perri C, **Mercanile G.**, Lazzaretti C., Sperduti S., Simoni M., Brigante G., Casarini L; *LH and hCG induce opposite signals via TSH receptor* European congress of Endocrinology (ECE) 2026 Praga (CZE), 9-12 May 2026

Lazzaretti C.; Perri C.; Sperduti S.; **Mercanile G.**; Simoni M.; Casarini L. *Trafficking of follicle-stimulating hormone receptor (FSHR) is modulated by the interaction with G protein-coupled estrogen receptor (GPER)* European congress of Endocrinology (ECE) 2026 Praga (CZE), 9-12 May 2026

ORAL COMMUNICATIONS

Mercanile, G; Perri, C; Lazzaretti, C; Sperduti, S; Simoni, M; Magnoni, C; Casarini L; *G-protein coupled estrogen receptor (GPER) modulates melanin production* 2nd IT-GPCR Network Bari, Italy; 20 February 2026

PARTECIPATION IN CONFERENCES AND SEMINARS

09-12/05/2026

European Congress of Endocrinology (ECE) 2026

Prague Congress Centre, 5. května 1640/65, 140 21 Praha 4

[European Congress of Endocrinology \(ECE\) 2026 | ESE](#)

20/02/2026

2nd IT-GPCR Network

University of Bari Aldo Moro, Centro Polifunzionale Studenti (ex Palazzo delle Poste) P.zza Cesare Battisti 1, Bari, Italy

- 26-28/09/2025 **ESE YOUNG ENDOCRINOLOGISTS AND SCIENTISTS (EYES) MEETING 2025**
Humanitas Congress Center, Rozzano (Milan), Italy
[12th ESE Young Endocrinologists and Scientists \(EYES\) Meeting | ESE](#)
- 22-25/06/2025 **EUROPEAN SOCIETY OF ENDOCRINOLOGISTS (ESE) Summer School 2025**
Tyrolean Education Institute Grillhof (TBI-Grillhof), Grillhofweg 100, 6080 Innsbruck, Austria
Link: [ESE Summer School 2025 | ESE](#)
- 27/09/2024 **International Workshop: "How to master gonadotrophins in folliculogenesis: LH FSH adjustment to optimize ovarian response"**
Maranello, Modena, Italy
Link: <https://medeaacademy.com/event/workshoprm2024/>
- 16/02/2024 **"Biotechnologie tra scuola, università e mondo del lavoro"- I chimici per le biotechnologie**
Polo San Geminiano, Modena, Italy
Link: <https://www.chimiciperlebiotechnologie.it/>

Modena, 28/06/2026

Giada Mercante