



# Giada Mercanile

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**Gender:** Female **Date of birth:** 16/03/1999 **Place of birth:** Modena, Italy **Nationality:** Italian

## WORK EXPERIENCE

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[ 01/09/2024 – Current ] **Research fellow**

**City:** Modena | **Country:** Italy

Research fellow at the Surgical, Medical and Dental Department of Morphological Sciences related to Transplant, Oncology and Regenerative Medicine, University of Modena and Reggio Emilia.

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

## EDUCATION AND TRAINING

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[ 12/04/2024 ] **Master's degree in Medical Biotechnology**

**University of Modena and Reggio Emilia**

**City:** Modena | **Country:** Italy | | **Thesis:** "Increased ovarian 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

[ 14/12/2021 ] **Bachelor's degree in Biotechnology**

**University of Modena and Reggio Emilia**

**City:** Modena | **Country:** Italy | | **Thesis:** "Analisi strutturale di hTEAD4 con metodi biofisici innovativi" Supervisor: Prof. Maria Paola Costi Co-supervisors: Dott. Giulia Malpezzi, Dott. Lorenzo Tagliazucchi

[ 05/07/2018 ] **High school diploma**

**Liceo Scientifico A. Tassoni**

**City:** Modena | **Country:** Italy |

## TECHNICAL SKILLS

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### Technical skills

Site-directed mutagenesis by PCR

Bacterial transfection techniques for expression of mutagenized proteins or plasmid DNA

Protein purification

Use of UV-Vis HPLC instrument, UHPLC instrument coupled with Q Exactive Mass Spectrometer (Orbitrap) and Akta Prime FPLC System

2D and 3D cell culture and transfection methods.

Cell cytotoxicity analysis by crystal violet assay and MTT assay.

Use of western blot methods, BRET/FRET techniques, nucleic acid extraction, real-time PCR.

Techniques for isolation of human granulosa cells from follicular fluids and isolation of human melanocytes, keratinocytes and fibroblasts from tissue

## PUBLICATIONS

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- [ 2024 ] **Enhanced anticancer effect of thymidylate synthase dimer disrupters by promoting intracellular accumulation**  
**Authors:** 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  
| **Journal Name:** FRONTIERS IN PHARMACOLOGY  
**Link:** <https://dx.doi.org/10.3389/fphar.2024.1477318>

## CONFERENCES AND SEMINARS

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- [ 27/09/2024 ] **International Workshop: "How to master gonadotrophins in folliculogenesis: LH - FSH adjustment to optimize ovarian response"**  
Maranello, Modena  
**Link:** <https://medeaacademy.com/event/workshoprm2024/>
- [ 16/02/2024 ] **"Biotecnologie tra scuola, università e mondo del lavoro"- I chimici per le biotecnologie**  
Polo San Geminiano, Modena, Italy  
**Link:** <https://www.chimiciperlebiotecnologie.it/>
- [ 29/09/2023 ] **Notte della ricerca 2023** Via San Geminiano 3, Modena, Italy  
Participation in the stand "Come nasce un farmaco? Dalle prime fasi dello sviluppo al paziente, senza tralasciare gli aspetti ambientali"

## LANGUAGE SKILLS

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**Mother tongue(s):** Italian

**Other language(s):**

**English**

**LISTENING B2 READING B2 WRITING B1**

**SPOKEN PRODUCTION B1 SPOKEN INTERACTION B1**

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

## SKILLS

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R/R- Studio | Windows Operating system | Microsoft Office Package | GraphPad - Prism

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*I authorize the processing of personal data contained in my curriculum vitae on the basis of art. 13 of Legislative Decree 196/2003 and art. 13 GDPR 679/16*

*Giada Mercanile*

Modena, 27/04/2025

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