



Emanuela Falcone

Nationality: Italian **Date of birth:** 06/12/1999 ✉ **Email address:** emanuela.falcone830@gmail.com 

LinkedIn: www.linkedin.com/in/emanuela-falcone-0087b9306 📍 **Address:** 43125, Parma, Italy (Home)

ABOUT ME

PhD candidate in Translational Medical and Surgical Sciences with a deep passion for biomedical research. My academic path is driven by a commitment to advancing scientific knowledge and contributing meaningfully to the field. I am a highly motivated and reliable individual with a proactive and collaborative approach to teamwork. I actively seek intellectually stimulating challenges that foster both professional and personal growth.

WORK EXPERIENCE

University of Parma - Italy, Parma

Phd in Translational Medical and Surgical Sciences

[11/2024 - Current]

Research project: "Effects of the new cyclin kinase inhibitor Myrteciclib in models of malignant pleural mesothelioma."

Parma University Hospital, Pediatric Clinical Unit and CoreLab - Parma

Research Fellow

[20/06/2024 - Current]

Winner of a research grant on the project:

"Promoting Bone Health from the Earliest Stages of Life: Application of REMS Technology to Assess Bone Mineral Density in Fetuses and Newborns up to One Year of Age".

Laboratory work focused on miRNAs involved in bone growth, including:

- miRNA extraction
- RT-PCR
- ELISA

Experimental Oncology Laboratory, Department of Medicine and Surgery, University of Parma - Italy, Parma

Graduate Visitor

[05/2024 - 06/2024]

Research focused on developing new therapeutic strategies for the treatment of solid tumors.

Experimental Oncology Laboratory, Department of Medicine and Surgery, University of Parma - Italy, Parma

Thesis Internship

[06/2023 - 04/2024]

Functional studies on cancer cells, including:

- Cell proliferation and viability assays
- Cell death analysis
- Migration and invasion assays
- Soft agar colony formation
- Spheroid generation and 3D cell culture

Molecular biology techniques:

- Western blotting
- RT-PCR

Other techniques and analyses:

- Spectrophotometry
- Flow cytometry
- Biochemical and metabolic assays (protein quantification)
- Use of Seahorse Bioscience XFp for real-time measurement of metabolic parameters

Angelillis Dr. Francesco & Co. Analytical Laboratory - Italy, Manfredonia

Curricular Internship

[12/2020 - 02/2021]

EDUCATION & TRAINING

PhD in Translational Medical and Surgical Sciences

University of Parma [11/2024 - Current]

City: Parma | Country: Italy

Master's Degree in Translational Biomedical Sciences (LM-6)

University of Parma [10/2021 - 04/2024]

City: Parma | Country: Italy

Final grade: 110/110 con lode e menzione d'onore | **Thesis:** Effetto degli inibitori delle CDK4/6 sulla proliferazione e sul metabolismo in linee di sarcoma di Ewing

Bachelor's Degree in Biological Sciences (L-13)

Università Politecnica delle Marche [09/2018 - 10/2021]

City: Ancona | Country: Italy

Final grade: 110/110 con lode | **Thesis:** Lo splicing e le sue alterazioni nel processo di invecchiamento fisiologico e patologico

High School Diploma in Human Sciences

Liceo A.G. Roncalli [2013 - 2018]

City: Manfredonia | Country: Italy

Final grade: 100/100

CONFERENCES & SEMINARS

[2023] Parma

Lung cancer in 2023: controversies and perspectives

[2024] Parma

Translational research in thoracic malignancies: state of the art and research experience

[2025] Bergamo

MET.I 2025 Congress: The Italian Network on Pleural Mesothelioma

Parma

Pleural Mesothelioma: preclinical and clinical research

DRIVING LICENCE

Driving licence: B

CERTIFICATIONS

[05/2024]

Biology and Management of Laboratory Animals, Modules 3.1, 4, 5, 6.1, 7 – DM 5 August 2021: Rodents and Lagomorphs

IZSLER – Istituto Zooprofilattico Sperimentale della Lombardia e dell'Emilia Romagna

[05/2024]

National Legislation and Ethics Level 1, Modules 1 and 2 – DM 5 August 2021

IZSLER – Istituto Zooprofilattico Sperimentale della Lombardia e dell'Emilia Romagna

[03/2023]

BLSD Associazione della Croce Rossa Italiana

[2025]

VIRT2UE blended learning program on research integrity

[10/2025]

Ethics and Project Design, Modules 9, 10, 11 – DM 5 August 2021

IZSLER – Istituto Zooprofilattico Sperimentale della Lombardia e dell'Emilia Romagna

[12/2025]

Practical training and advanced course for rodents used in scientific research – DM 5 August 2021

University of Parma

SKILLS

Language Skills

Native language: Italian

Other languages: English

- Comprehension: B2
- Speaking: B2
- Writing: B2

Digital Skills

- Proficiency in Windows and Microsoft Office
- Laboratory instrument software: Image Studio, Tecan i-control
- Statistical analysis software: R (4.4.2), GraphPad Prism 9
- Video conferencing and communication platforms

Communication and Interpersonal Skills

- Strong communication and interpersonal skills
- Collaborative mindset
- Coaching and mentoring abilities

Organizational Skills

- Independent and team work
- Project planning and management
- Time management and stress handling

PUBLICATIONS

V. Bianco, A.M. Shulhai, E. Falcone, M. Petraroli, V. Patianna, A. Petrelli, S.MR. Esposito e M.E. Street.

Observational study on the role of miRNAs for the diagnosis of Growth Hormone Deficiency (GHD) in childhood, and as predictors of response to GH Therapy: preliminary results

IV Research Day DiMec - 2024

Malgorzata Wasniewska, Serafina Perrone, Anna-Mariia Shulhai, Virginia Beretta, Valentina Bianco, Elena Scarpa, Tommaso Aversa, Domenico Corica, Giorgia Pepe, Letteria Anna Morabito, Emanuela Falcone, Maria Street.

Getting bone health right from the start: new tools for bone mineral density evaluation and determinants of BMD from pregnancy to 12 months of life

Joint Congress of ESPE and ESE 2025

M. Bonelli, M. Galetti, S. La Monica, E. Falcone, L. Ampollini, C. Fumarola, R. Alfieri, D. De Forni, B. Poddesu, F. Lori, P.G. Petronini

CDK inhibition as a new potential target approach in Pleural Mesothelioma models

iMig 2025, October 26-29, Philadelphia, USA

E. Falcone, M. Galetti, S. La Monica, L. Ampollini, R. Alfieri, D. De Forni, B. Poddesu, G. Cugia, A. Cavazzoni, D. Cavallo, F. Lori, P.G. Petronini, M. Bonelli

EFFECTS OF MYRTLECICLIB, A CYCLIN-DEPENDENT KINASE INHIBITOR, IN MODELS OF MALIGNANT PLEURAL MESOTHELIOMA

65th Annual Meeting of the Italian Cancer Society, Targeting Cancer hallmarks, December 3-4-5, 2025, Turin

E. Falcone, M. Galetti, S. La Monica, E. Ferretti, R. Alfieri, D. De Forni, B. Poddesu, F. Lori, P.G. Petronini, M. Bonelli

NEW STRATEGIES TO OVERCOME CHEMORESISTANCE IN PLEURAL MESOTHELIOMA MODELS

PREDICT-Meso International Conference, April 23-24, 2026, Glasgow

ACADEMIC ACTIVITIES

[2024 - 2025]

Tutor for supplementary, preparatory, and support courses for students

Department of Medicine and Surgery, University of Parma