



Mariano Martelli

WORK EXPERIENCE

01/02/2024 – CURRENT Trieste, Italy

RESEARCH FELLOWSHIP ICGEB- INTERNATIONAL CENTRE FOR GENETIC ENGINEERING AND BIOTECHNOLOGY

Understanding the role of onco-miR-30d in breast cancer and investigating the mechanism by which it suppresses the immune response favouring tumorigenesis. Onco-miR-30d ablation promotes the activation of cGAS/sting/IFN-I signalling in Breast cancer. MiR-30d inhibition may restore an immunologically "hot" tumor microenvironment and improve the efficacy of chemo- and immune-therapies.

03/2023 – 07/2023 Ferrara, Italy

INTERN UNIVERSITY OF FERRARA, SECTION OF ENDOCRINOLOGY AND INTERNAL MEDICINE

Analysis and understanding of next-generation sequencing (NGS) data in order to correlate specific mutational signatures potentially implicated in bronchial carcinoids with a prognostic marker.

06/2020 – 09/2020 Ferrara, Italy

INTERN UNIVERSITY OF FERRARA, SECTION OF ENDOCRINOLOGY AND INTERNAL MEDICINE

Evaluation of the different sensitivity of typical and atypical bronchial carcinoids in response to Everolimus treatment.

EDUCATION AND TRAINING

10/2020 – 07/2023 Ferrara

MASTER'S DEGREE IN BIOMOLECULAR SCIENCE AND EVOLUTION University of Ferrara

Final grade 110 / 110 cum Laude |

Thesis Bronchial carcinoids: from the mutational background to the applicability of a clinical prognostic score

10/2017 – 10/2020 Ferrara, Italy

BACHELOR'S DEGREE IN BIOLOGICAL SCIENCES University of Ferrara

Thesis The role of Caspase 3 and TGF- β in bronchial carcinoids

09/2012 – 07/2017 Tricarico, Italy

SCIENTIFIC HIGH SCHOOL DIPLOMA Scientific Institute "Carlo Levi"

PUBLICATIONS

TGF- β increase caspase activation and migration in typical bronchial carcinoids

[Endocrine Abstracts, 2021] P. Borges de Souza, I. Gagliardi, M. Martelli, M.R. Ambrosio & M.C. Zatelli

CONFERENCES AND SEMINARS

25/10/2024 – 26/10/2024 ABCD Congress, Reggio Emilia

The mutant p53 target miR-30d dampens the Cgas /STING/IFN-I pathway to suppress immune surveillance in breast cancer

19/09/2024 – 20/09/2024 ICGEB, Trieste

Exploring Cancer- Immune Cell Interaction: Key Concepts and Methodologies

10/07/2024 – 11/07/2024 ICGEB, Trieste

29th ICGEB Symposium

● TECHNICAL SKILLS AND COMPETENCE

TECHNICAL SKILLS AND COMPETENCE

- Manipulation of cell cultures and 3D models (organoids)
- Transfection, transduction, and treatments of cell lines and organoids
- Basics of fluorescence microscopy and immunofluorescence techniques
- Genetic engineering techniques (PCR, cloning and bacterial transformation)
- Protein Electrophoresis and Western Blotting
- DNA and RNA extraction to assess gene expression (PCR and RTqPCR)
- Basics of cytofluorimetry
- Immunohistochemistry
- Cellular assays (ELISA, Luciferase assay and ATP-lite)

● LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

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

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

● DIGITAL SKILLS

Mastery of the office package (Word, Excel, PowerPoint) | Data analysis and statistical analysis | good ability of bibliographic research (PubMed, Science, Cancers) | Use of scientific databases (ClinVar, dbSNP) | Use of programs for simulation of in silico experiments (APE, AmplifX)

● COMMUNICATION AND INTERPERSONAL SKILLS

Relational and organisational skills

Leadership; Problem solving; Teamwork; Determination; Works well under pressure; Work planning; Empathy; Flexibility; Ability to focus on goals.

● VOLUNTEERING

2022 Ferrara

AIRC-Foundation for Cancer Research

2013 – 2017 Tricarico

Volunteer Association "Don Pancrazio Toscano"

2013 – 2017 Tricarico

FAI, Italian Environmental Fund

2013 – 2017 Tricarico

Unicef

● DRIVING LICENCE

Driving Licence: B

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