

PERSONAL INFORMATION

Ilaria Mariani

JOB APPLIED FOR

Research activity in the biological, biotechnological, clinical and pharmacological fields.

WORK EXPERIENCE

November 2020-present

Study Coordinator at "S.C. Anestesia e Rianimazione" (Anaesthesia and Intensive Care Unit) Fondazione IRCCS San Gerardo dei Tintori- Monza

September 2020

Formative period

Formal training as Study Coordinator at "Centro di Ricerca di Fase 1", ASST Monza

April 2019-December 2019

Research fellowship

Research activity carried out at the "IRCCS Ospedale San Raffaele", Milan.

Member of the Functional Genomics of Cancer Unit, Experimental Oncology division.

October 2017-October 2018

Apprentice

Internship as a part of my Master degree course at the "Istituto Nazionale Genetica Molecolare" (INGM) "Romeo ed Enrica Invernizzi", Milan. This internship was carried out at the Molecular Histology and Cell Growth Unit (MHCG).

March 2016-May 2106

Apprentice

Internal internship as a part of my degree course at University laboratories. This activity was related to the fundamentals of Neurobiology.

EDUCATION AND TRAINING

September 2020

Registered by the professional body in Section A

Registration by the National Order of Biologists.

October 2016-October 2018

Master's Degree

M. Sc. in Biology applied to Biomedical Research (LM-6 class), at the "Università degli Studi di Milano" with final grade of 110/110 cum laude.

October 2013-October 2016

Bachelor's Degree

B. Sc. in Biology (L-13 class), at the "Università degli Studi di Milano" with final grade of 105/110.

PERSONAL SKILLS

Mother tongue

Italian

Other language(s)

English

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B2	B2	B2	B2	B2

Level certification B2 issued by British Council, Milan, IELTS certification

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user

Common European Framework of Reference for Languages

Communication skills

Good interpersonal and team working skills developed mainly during the aforementioned internship.

Good communication and interpersonal skills in English. Oratory skills leading to scientific report exposition (seminar form).

Organisational / managerial
skills

Good planning skills of experimental activities by a given due deadline.

Job-related skills

Molecular Biology: DNA and RNA extraction and quantification, reverse transcription, PCR, agarose gel electrophoresis, real-time qPCR, protein extraction and Western Blot, subcellular fractionation, Immunoprecipitation (IP) and Chromatin immunoprecipitation (ChIP). Basic knowledge of bacterial transformation and plasmid digestion by restriction enzymes. Analysis of DNA strand breaks by Comet assay.

Cell Biology: manipulation of mammalian cell culture, especially human immortalized cells. Cellular transfection, virus production and cellular infection. Theoretical and practical basis of immunofluorescence staining and confocal microscopy.

Proliferation rate and apoptosis analysis by flow cytometry (FACS).

Statistical data analysis and interpretation.

Knowledge and management of clinical trials, particularly carried out in the Intensive Care Unit (ICU).

ICH GCP E6 (R2) certificate.

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Intermediate	Base	Base	Base	Base

Levels: Basic user - Independent user - Proficient user

[Digital competences - Self-assessment grid](#)

Other skills

Good knowledge and usage of Office suite: Word, Excel, Power Point, and their Mac equivalent.

Driving licence

B

ADDITIONAL INFORMATION

Posters

Conference "8th Proteasome & Autophagy Congress", École universitaire de management, Clermont-Ferrand, France; participation through poster entitled:

"FAM46C is a novel tumour suppressor which controls MM cell survival by regulating proteostasis and autophagy at the cytoplasmic side of the ER."

Nicola Manfrini^{*1}, Marilena Mancino^{*1}, Ilaria Mariani², Deborah Salvi Mesa², Stefania Oliveto², Roberta Alfieri¹, Annarita Miluzio¹, Piera Calamita¹, Enrico Milan³, Chiara Salio⁴, Marco Sassoè-Pognetto⁴, Emilio Marengo⁵, Elia Ranzato⁵, Simona Martinotti⁵, Giovanni Tonon³ and Stefano Biffo^{1,2}

National Institute of Molecular Genetics "Romeo ed Enrica Invernizzi" - INGM, Milan, Italy; ² University of Milan, Milan, Italy;

³ San Raffaele Scientific Institute, Milan, Italy; ⁴ University of Turin, Turin, Italy; ⁵ University of Eastern Piedmont, Turin, Italy

* The two authors contributed equally to the work

Publications	<p>Nicola Manfrini, Marilena Mancino, Annarita Miluzio, et al. (2020). <i>FAM46C and FNDC3A are multiple myeloma tumor suppressors that act in concert to impair clearing of protein aggregates and autophagy.</i> <i>Cancer Res</i> DOI: 10.1158/0008-5472.CAN-20-1357. (Acknowledgments)</p> <p>E. Rezoagli, I. Mariani, R. Rona, G. Foti, G. Bellani (2021). <i>Difference between prolonged versus standard duration of prone position in COVID-19 patients: a retrospective study.</i> <i>Minerva Anestesiologica</i> DOI: 10.23736/S0375-9393.21.15864-X.</p> <p>Lucchini A, Villa M, Giani M, Canzi S, Colombo S, Mapelli E, Mariani I, Rezoagli E, Foti G, Bellani G. <i>Impact of new lighting technology versus traditional fluorescent bulbs on sedation and delirium in the ICU.</i> <i>Intensive Crit Care Nurs.</i> 2025 Feb;86:103833. doi: 10.1016/j.iccn.2024.103833. Epub 2024 Sep 18. PMID: 39299170.</p> <p>Nova A, McNicholas B, Magliocca A, Laffey M, Zambelli V, Mariani I, Atif M, Giacomini M, Vitale G, Rona R, Foti G, Laffey J, Rezoagli E; LUNG-KIDNEY Interaction Multicenter Study Group. <i>Perfusion deficits may underlie lung and kidney injury in severe COVID-19 disease: insights from a multicenter international cohort study.</i> <i>J Anesth Analg Crit Care.</i> 2024 Jul 6;4(1):40. doi: 10.1186/s44158-024-00175-1. PMID: 38971842; PMCID: PMC11227201.</p>
Workshop	Spazio e ricerca biomedica - 15/11/22, ASI (Agenzia Spaziale Italiana). Seminar relative to application of biomedical research to space matter.
Training course	GIMBE certificate training course: "Clinical Trials: planning, conduction, analysis and reporting" (May 2021)
Seminar	"Le scienze forensi al servizio delle istituzioni: approccio multidisciplinare e nuove opportunità metodologiche per l'investigazione scientifica – Ordine Nazionale dei Biologi - 21/09/2022. Seminar on forensic sciences.
Personal Data	<i>I authorize the processing of personal data contained in my curriculum vitae according to art. 13 D. Decree 196/2003 and art. 13 GDPR 679/16.</i>

Monza, 21/02/2025

