



# Federico Mastroleo

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Date of birth: 17/12/1993 Nationality: Italian

## WORK EXPERIENCE

[ 02/11/2023 – Current ] **Radiation Oncologist and PhD Candidate**

**IEO**

City: Milano | Country: Italy

Currently:

- Full member of the ESTRO (European Society for Therapeutic Radiology and Oncology) Focus Group of Artificial Intelligence in Radiation Oncology
- Member of the EuSoMII (European Society of Medical Imaging Informatics - part of the European Society of Radiology) Young Committee
- Member of the EORTC (European Organisation for Research and Treatment of Cancer) Brain Tumor Group
- Member of the AIRO (Associazione Italiana Radioterapia Oncologica) neuro-oncology board

[ 01/02/2022 – 30/10/2023 ] **Resident Physician - Radiation Oncology**

**IEO**

City: Milano | Country: Italy

[ 01/11/2018 – 31/01/2022 ] **Resident Physician - Radiation Oncology**

**Ospedale Universitario "Maggiore della Carità"**

City: Novara | Country: Italy

[ 31/05/2016 – 29/10/2019 ] **Head of IT, HT and Innovation**

**AIMS - Accademia Italiana Medici Specializzandi**

City: Bari | Country: Italy

[ 05/2019 – 10/2019 ] **Consultant**

**Department of Information Technology - University of Bari**

City: Bari | Country: Italy

Expert consult in IT portable devices for Haematology.

[ 2016 – 2017 ] **Medical Translator**

**Edra**

City: Bari | Country: Italy

Translator of the Italian version of the 25th edition of "Goldman Cecil - Internal Medicine"

## EDUCATION AND TRAINING

[ 26/09/2023 – Current ] **PhD - System Medicine, Computational Biology and Bioinformatics Curriculum**

**SEMM - European School of Molecular Medicine in cooperation with University of Milan**

City: Milan | Country: Italy |

Title of the project:

APO - Advancing Precision Oncology: Leveraging Big Data for Patient Outcomes and Treatment Optimization with a Focus on Proton Therapy

[ 01/11/2019 – 30/10/2023 ] **Medical Residency in Radiation Oncology**

*University of Eastern Piedmont*

**City:** Novara | **Country:** Italy |

[ 19/09/2023 ] **ICH Good Clinical Practice E6 (R2)**

*The Global Health Network*

**Short Specialization Degree (II Level Master) in Machine Learning and Big Data in Precision Medicine and Biomedical Research**

[ 01/12/2022 – 28/09/2023 ]

*University of Padua*

**City:** Padova | **Country:** Italy |

[ 06/08/2020 – 15/01/2021 ] **Data Science Professional Certificate**

*IBM*

[ 06/05/2020 – 12/06/2020 ] **Fundamental of Python Course**

*SDA Bocconi* <https://www.sdabocconi.it/>

**Address:** Via Roberto Sarfatti, 10, 20136, Milano, Italy |

[ 14/03/2020 – 01/05/2020 ] **IT Management Course**

*SDA Bocconi* <https://www.sdabocconi.it/>

**Address:** Via Roberto Sarfatti, 20136, Milano, Italy |

[ 2012 – 2019 ] **M.D.**

*Università degli Studi di Bari "Aldo Moro"* <https://www.uniba.it>

**Address:** Piazza Umberto I, 1, 70121, Bari, Italy | **Field(s) of study:** Medicine - Bari English Medical Curriculum | **Final grade:** 110/110L | **Thesis:** A new algorithm according to EuroCAT criteria: development and validation

The aim of the study was to create an IT algorithm to analyze the discharge hospital records searching for Major Congenital Malformations that were not clearly discovered during the clinical evaluation of the patients. The project was developed with the Region Apulia (Italy), the AReSS (Agenzia Strategica Regionale per la Salute e il Sociale), the Apulian Registry of Congenital Malformation. Awarded by honor for having completed the English MD program one semester in advance.

Member of the Department of Emergency and Organ Transplantation as representative of the Medical Students.

[ 04/2018 ] **BLSD/pBLSD Instructor**

*Centro di Formazione S.I.M.B.A.*

[ 31/08/2015 – 29/09/2015 ] **Intern - Service d'explorations fonctionnelles multidisciplinaires**

*Université Pierre e Marie Curie* <https://www.sorbonne-universite.fr>

**Address:** 4 Place Jussieu, 75005, Paris, France |

Internship in the department of physiology (Hopital Tenon, Paris, France) with an activity both in the outpatient clinic and the lab.

**Course in Medical Publishing in cooperation with University of Oslo and The Harvard Medical School**

[ 05/05/2015 – 06/05/2015 ]

*University of Bari* <https://www.uniba.it>

**Address:** 70121, Bari, Italy |

Course held by Prof. LaMont (Harvard University) and Prof. Bretthauer (University of Oslo)

[ 31/07/2014 – 30/08/2014 ]

### **Intern - Project: "Role of mAbp1 for leukocyte recruitment"**

**LMU Munich** <https://www.lmu.de/>

**Address:** Geschwister-Scholl-Platz 1, 80539 , München, Germany |

- Intern in the research group of Prof. Barbara Walzog at LMU Munich, Germany.
- Focus on the Role of mAbp1 for leukocyte recruitment.
- The aim of the work was to detect if the phosphatase slingshot is expressed in human polymorphonuclear neutrophils. For the project, I acquired a broad spectrum of methods in molecular biology, performed DNA and RNA isolation, PCR, molecular cloning and cell culture.

[ 2006 – 2012 ]

### **Secondary School Diploma**

**Liceo Scientifico "G.C. Vanini"** <https://www.liceovanini.edu.it>

**Address:** Via Reno, 34,, 73042, Casarano, Italy |

[ 02/2011 ]

### **Masterclass: Hands on Particle Physics**

**CERN** <https://home.cern>

**Address:** Espl. des Particules 1, 1211, Meyrin, Switzerland |

Masterclass promoted by the CERN of Geneva about the use and the interpretation of the data of the LHC (Large Hadron Collider)

## **LANGUAGE SKILLS**

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**Mother tongue(s):** Italian

**Other language(s):**

### **English**

**LISTENING C2 READING C2 WRITING C2**

**SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2**

### **Spanish**

**LISTENING B1 READING B1 WRITING B1**

**SPOKEN PRODUCTION B1 SPOKEN INTERACTION B1**

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

## **VOLUNTEERING**

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[ 30/04/2015 – 31/12/2019 ]

**CTO and Treasurer - La Medicina in Uno Scatto** Battipaglia

No Profit Organization for Scientific Publication with more than 150k followers on Facebook and more than 50k followers on Instagram

## **HOBBIES AND INTERESTS**

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**Drone Pilot**

ENAC Certified APR for Non Critical Operations

**Tennis player**

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*Author of 25 indexed manuscripts and 80+ books for the preparation for the SSM (residency entrance examination in Italy)*