



● EDUCATION AND TRAINING

01/11/2015 – 01/10/2018 Siena, Italy

PHD Università degli Studi di Siena

Address via Banchi di Sotto 55, 53100, Siena, Italy

01/01/2013 – 27/01/2015 Rome, Italy

MASTER DEGREE La Sapienza Università di Roma

Address Piazzale Aldo Moro, 5, 00185, Rome, Italy

01/08/2008 – 12/11/2012 Rome, Italy

BACHELOR DEGREE La Sapienza Università di Roma

Address Piazzale Aldo Moro, 5, 00185, Rome, Italy

● WORK EXPERIENCE

01/04/2019 – CURRENT Florence, Italy

POST DOC RESEARCHER UNIVERSITÀ DI FIRENZE

08/10/2019 – 21/12/2019 Florence, Italy

LABORATORY TUTOR UNIVERSITÀ DI FIRENZE

01/11/2015 – 01/10/2018 Siena, Italy

PHD STUDENT UNIVERSITÀ DEGLI STUDI DI SIENA

● PUBLICATIONS

2023

GASOLINE: detecting germline and somatic structural variants from long-reads data

A.Magi, G.Mattei et al.

10.1038/s41598-023-48285-0

2023

Molecular profiling of lymphatic endothelial cells activation in vitro

M.Turati, G.Mattei et al.

10.3390/ijms242316587

2023

Differential Expression Analysis Utilizing Condition-Specific Metabolic Pathways

G.Mattei et al.

doi.org/10.3390/metabo13111127

2023

High-resolution Nanopore methylome-maps reveal random hyper-methylation at CpG-poor regions as driver of chemoresistance in leukemias

2023
β3-adrenergic receptor on tumor-infiltrating lymphocytes sustains IFN-γ-dependent PD-L1 expression and impairs anti-tumor immunity in neuroblastoma

DOI: 10.1038/s41417-023-00599-x

2022
Third-Generation Cytogenetic Analysis: Diagnostic Application of Long-Read Sequencing

doi: 10.1016/j.jmoldx.2022.03.013

2021
Chiari 1 malformation and exome sequencing in 51 trios: the emerging role of rare missense variants in chromatin-remodeling genes

doi: 10.1007/s00439-020-02231-6

2020
TRPA1 mediates damage of the retina induced by ischemia and reperfusion in mice.

doi: 10.1038/s41419-020-02863-6

2020
Macrophages and Schwann Cell TRPA1 Mediate Chronic Allodynia in a Mouse Model of Complex Regional Pain Syndrome Type I

doi:10.1016/j.bbi.2020.04.037.

2016
Altered intestinal permeability in patients with relapsing-remitting multiple sclerosis: A pilot study

doi: 10.1177/1352458516652498

2023
INTERFERON-GAMMA: A MASTER CYTOKINE IN ASTROGLIA-MEDIATED NEUROPROTECTION AGAINST OXALIPLATIN-INDUCED NEUROTOXICITY IN ORGANOTYPIC SPINAL CORD SLICES

2016
B cell IRF1 pathway is dysregulated in multiple sclerosis

doi: 10.1177/1352458516652498

● **LANGUAGE SKILLS**

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	C1	B2	B2	B2

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

● **DIGITAL SKILLS**

R-language | Matlab programing | RNA-Seq. Computational Analysis | Second Generation Sequencing. Computational Analysis | Third Generation Analysis. Computational Analysis | Long Read Sequencing. Computational Analysis | In Silico Metabolic Models

● CONFERENCES AND SEMINARS

02/10/2024 Invited Speaker

Epigenetics in Healthcare & Disease

PoreMeth2: Decoding the evolution of methylome alterations with Nanopore sequencing

18/03/2024 – 21/03/2024 Borovets

EHA ReCon 2024

17/11/2022 – 19/11/2022 Bruxelles

Epigenetics and Epigenomics in health and disease Forum

Poster Presentation

High-resolution Nanopore methylome maps reveal random hyper-methylation at CpG-poor regions as driver of chemoresistance in leukemias.

18/05/2022 – 20/05/2022 London

London Calling 2022

Poster Presentation

GASOLINE: Germline And SOmatic structural variants detection and gEnotyping

28/09/2018 – 28/09/2018 Rome

FISV 2018

Poster Presentation:

Metabolism and its regulation in health and diseases

30/03/2016 – 01/04/2016 Bologna

Proteine 2016

Poster Presentation and short talk

Warburg and Reverse Warburg Metabolism in Breast Cancer: A Systems Biology Approach

2015 Sinalunga

7° MS Lab retreat

Oral Presentation

Study on genetic variants associated to multiple sclerosis by exome sequencing in a high prevalence family

11/06/2015 – 14/06/2015 Elounda

ISNI 2015 International Joint Israeli-Greek-Italian Neuroimmunology

Poster Presentation

Study on Genetic Variants Associated to Multiple Sclerosis by Exome Sequencing in a High Prevalence Family.

● HONOURS AND AWARDS

01/04/2016

Proteine 2016, Bursary for selected poster – SIB

14/06/2005

Travel grant: ISNI 2015 International Joint Israeli-Greek-Italian Neuroimmunology – ISNI

● COURSES

07/06/2016 – 09/06/2016

Sysbio School – 1st Sysbio.it School on Computational Systems Biology: An introduction to dynamic modeling, simulation and analysis of biological systems.

03/07/2016 – 08/07/2016

In Silico Systems Biology. European Bioinformatics Institute (EMBL-EBI)
