

EUROPEAN
CURRICULUM VITAE
FORMAT



PERSONAL INFORMATION

Name
E-mail

GIULIA DI MAURO
dmrgli@unife.it

WORK EXPERIENCE

- Dates (from 01/04/2020 – to 31/10/2020)
- Name and address of employer
 - Type of business or sector
 - Occupation or position held
- Main activities and responsibilities

Research fellowship

Tutor: Prof. Mauro Tognon
Department of Medical Sciences, Via Luigi Borsari 46, 44121 Ferrara
University of Ferrara
Research fellow
Research fellowship for post-graduate research for epigenetic analysis of stem cells during osteogenic differentiation on bioactive biomaterials

EDUCATION AND TRAINING

- Dates (from 1/11/2020 – to today)
 - Name and type of organisation providing education and training
 - Principal subjects/occupational skills covered
- Title of qualification awarded

PhD student in Biomedical and Biotechnological Sciences

University of Ferrara
Tutors: Prof. Mauro Tognon and Prof. Fernanda Martini
Investigation on novel molecular mechanisms of the malignant pleural mesothelioma onset and its biomarkers for an early diagnosis.
Field: Experimental Biomedicine and Oncology
Ph.D.

- Dates (from 1/05/2023 - 31/07/2023)

- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered

Internship period at the University of Fribourg, Switzerland

University of Fribourg
Tutor: Prof. Alessandra Curioni-Fontecedro
Establishment of an in vitro workflow to study the molecular mechanisms of Rigosertib, NSC663284 and Regorafenib as potential new therapeutic approaches in pleural mesothelioma
Field: Experimental Biomedicine and Oncology

- Dates (17/11/2021)

- Name and type of organisation providing education and training
 - Title of qualification awarded

Qualification for biologist professional practice

University of Ferrara
Certificate to practice the profession of Biologist

- Dates (17/03/2020)

- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered

Master's Degree in Biomolecular and Evolutionary Sciences

University of Ferrara
Tutor: Prof. Mauro Tognon
Study on circulating and intracellular deregulated micro-RNAs in sera and cells from MPM patients, ex-exposed asbestos workers and healthy subjects.
Title of the thesis: Deregulated micro-RNAs as potential markers of malignant pleural mesothelioma and asbestos exposure
Master's degree
110/110 "Magna cum laude"

- Title of qualification awarded
- Level in national classification (if appropriate)

- Dates (20/09/2017)
- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered

Bachelor's in Biological Sciences

University of Ferrara

Tutor: Prof. Iva Maestri

Study of ALK gene translocation in non-small cell lung cancer (NSCLC), development of a protocol for the extraction of RNA from FFPE tissues and a method of quantitative analysis of aberrant ALK expression by Real Time RT-PCR.

Title of the thesis: ALK gene translocation in non-small cell lung cancer (NSCLC): determination by one-step Real Time PCR

- Title of qualification awarded
- Level in national classification (if appropriate)

Bachelor's degree

107/110

- Dates (07/2014)
- Name and type of organisation providing education and training
 - Title of qualification awarded
- Level in national classification (if appropriate)

High school graduation

Liceo Linguistico "Celio-Roccati", Rovigo

High school diploma

89/100

PERSONAL SKILLS AND COMPETENCES

*Acquired in the course of life and career
but not necessarily covered by formal
certificates and diplomas.*

MOTHER TONGUE

OTHER LANGUAGES

- Reading skills
- Writing skills
- Verbal skills

- Reading skills
- Writing skills
- Verbal skills

- Reading skills
- Writing skills
- Verbal skills

SOCIAL SKILLS AND COMPETENCES

*Living and working with other people, in
multicultural environments, in positions
where communication is important and
situations where teamwork is essential
(for example culture and sports), etc.*

ORGANISATIONAL SKILLS AND COMPETENCES

*Coordination and administration of
people, projects and budgets; at work, in
voluntary work (for example culture and
sports) and at home, etc.*

TECHNICAL SKILLS AND COMPETENCES

*With computers, specific kinds of
equipment, machinery, etc.*

ITALIAN

ENGLISH

[good]

[good]

[good]

SPANISH

[basic]

[basic]

[basic]

FRENCH

[basic]

[basic]

[basic]

Good communication skills, good tendency to socialize. Predisposition to teamwork. Good predisposition to learning. Ability to adapt to the context and different situational demands even under stressful conditions.

Excellent teamwork skills gained during collaborations with different laboratories. Ability to work independently and plan matured during master's degree internship and currently being refined during PhD. Ability in managing financial resources, preparing domestic and international orders and shipments of reagents/samples matured during the course of the Ph.D. program

Cell cultures

Isolation of cells and set up of primary cultures from normal and tumor human biopsies, freezing and preservation techniques of primary cultures and cell lines, culture of continuous cell lines derived from different normal and tumor human tissues, analysis of FFPE tissues

Molecular biology techniques

DNA and RNA extraction, electrophoresis, PCR, RT (retrotranscription), quantitative RT-PCR (Real-Time), enzyme-linked immunosorbent assay (ELISA), Droplet Digital PCR, cell treatments and transfections, direct sequencing and fragment analysis with automated capillary sequencer, cell-based assays (i.e. wound-healing, colony, apoptosis, drug assays)

Epigenetic analysis techniques

Bisulfite treatment of samples for the study of promoter methylation/de-methylation of tumor suppressor genes in normal cells and in carcinomas

Microbiological analysis techniques

Preparation and transformation techniques of competent bacteria for plasmid DNA amplification, bacterial colony culture, plasmid DNA extraction and analysis by quantitative PCR

OTHER SKILLS
AND COMPETENCES
Competences not mentioned above.

Digital skills

Knowledge of Microsoft applications, windows, MacOS, Android and iOS operating systems / Good command of using Microsoft Office package / Good knowledge of software for graphical representation of data (PRISM GRAPHPAD) / Data analysis and processing with GraphPad / Good knowledge of Adobe package especially Photoshop / Excellent skills in using computer, of e-mail and the Internet / Basic knowledge of the ImageJ processing program / Excellent knowledge of bibliographic management software for research purposes (Mendeley EndNote) / Excellent knowledge of browsers (Firefox, Chrome, Safari)

POSTERS

Poster presentation to “Le Facoltà si incontrano” – University of Ferrara, Ferrara
[30/09/2019 – 04/10/2019]

Bononi I, Mazzoni E, Torreggiani E, Frontini F, **Di Mauro G**, Caselli A and Tognon M

Poster presentation to the 62nd annual Meeting of the Italian Cancer Society (SIC), Venezia Mestre, Italy

[16/11/2022 – 18/11/2022]

“Epigenetic investigation onto circulating microRNA 197-3p reveals its different dysregulation in sera from malignant pleural mesothelioma affected patients and workers ex-exposed to asbestos fibers”

Giulia Di Mauro, Francesca Frontini, Elena Torreggiani, Maria Rosa laquinta, Chiara Mazziotta, Elisa Mazzoni, Fernanda Martini, Ilaria Bononi, Mauro Tognon.

Poster presentation to the 1st UniFe Young Researchers Meeting (YRM), Ferrara, Italy

[05/06/2023]

“Epigenetic investigation into circulating microRNA 197-3p in sera from patients affected by pleural mesothelioma and workers ex-exposed to asbestos”

Giulia Di Mauro, Elena Torreggiani, Valentina Esposito, Maria Letizia Tramarin, Francesca Frontini, Maria Rosa laquinta, Chiara Mazziotta, Elisa Mazzoni, Fernanda Martini, Mauro Tognon and Ilaria Bononi

CONFERENCES

Participation to the XX National Conference of the Associazione Italiana di Biologia e Genetica Generale e Molecolare (AIBG), Rome, Italy

[23/09/2022 – 24/09/2022]

“Different expression of circulating miRNA-197-3p in sera of healthy subjects and workers ex-exposed to asbestos fibers”.

Giulia Di Mauro, Francesca Frontini, Ilaria Bononi, Elena Torreggiani, Elisa Mazzoni, Christian Felice Cervellera, Raffaella De Pace, Maria Letizia Tramarin, Fernanda Martini, Mauro Tognon.

Participation to the 16th International Conference Of The International Mesothelioma Interest Group (IMIG), Lille, France

[25/06/2023 – 28/06/2023]

DIDACTIC ACTIVITIES

Assignment of **seminar activity** for topics of Applied Biology specific for the Master's Degree in Dentistry and Dental Prosthesis (Apert Syndrome), University of Ferrara, AA 2020/2021.

Assignment of **seminar activity** for topics of Applied Biology specific for the Master's Degree in Dentistry and Dental Prosthesis (Apert Syndrome), University of Ferrara, AA 2020/2021.

Assignment of 52 hours of **Teaching Tutoring** for learning support to the performance of laboratory activities in the context of training internships for students of the CdS LT of Medical Biotechnology - Faculty of Medicine, Pharmacy and Prevention, University of Ferrara, AA 2022-23

Assignment of 20 hours of **Teaching Tutoring** for the fulfillment of Educational Obligations in Biology, University of Ferrara, AA 2022-23

PUBLICATIONS

Corazza M, Oton-Gonzalez L, Scuderi V, Rotondo JC, Lanzillotti C, **Di Mauro G**, Tognon M, Martini F, Borghi A. **Tissue cytokine/chemokine profile in vulvar lichen sclerosus: An observational study on keratinocyte and fibroblast cultures.** J Dermatol Sci. 2020 Dec;100(3):223-226. doi: 10.1016/j.jdermsci.2020.09.006. Epub 2020 Sep 19. PMID: 32998835. **IF: 5.408**

Hushcha Y, Blo I, Oton-Gonzalez L, **Di Mauro G**, Martini F, Tognon M, Mattei M. **MicroRNAs in the Regulation of Melanogenesis.** Int J Mol Sci. 2021 Jun 5;22(11):6104. doi: 10.3390/ijms22116104. PMID: 34198907; PMCID: PMC8201055. **IF: 6.208**

Rotondo JC, Martini F, Maritati M, Mazziotta C, **Di Mauro G**, Lanzillotti C, Barp N, Gallerani A, Tognon M, Contini C. **SARS-CoV-2 Infection: New Molecular, Phylogenetic, and Pathogenetic Insights. Efficacy of Current Vaccines and the Potential Risk of Variants.** Viruses. 2021; 13(9):1687. <https://doi.org/10.3390/v13091687>. **IF: 5.818**

Frontini F, Bononi I, Torreggiani E, **Di Mauro G**, Mazzoni E, Stendardo M, Boschetto P, Libener R, Guaschino R, Grosso F, Guerra G, Martini F, Tognon M. **Circulating microRNA-197-3p as a potential biomarker for asbestos exposure.** Sci Rep. 2021 Dec 14;11(1):23955. doi: 10.1038/s41598-021-03189-9. PMID: 34907223; PMCID: PMC8671556. **IF: 4.997**

Di Mauro G, Frontini F, Torreggiani E, Iaquinta MR, Caselli A, Mazziotta C, Esposito V, Mazzoni E, Libener R, Grosso F, Maconi A, Martini F, Bononi I, Tognon M. **Epigenetic investigation into circulating microRNA 197-3p in sera from patients affected by malignant pleural mesothelioma and workers ex-exposed to asbestos.** Sci Rep. 2023 Apr 20;13(1):6501. doi: 10.1038/s41598-023-33116-z. PMID: 37081052; PMCID: PMC10119131. **IF: 4.997**

Cervellera CF, Mazziotta C, **Di Mauro G**, Iaquinta MR, Mazzoni E, Torreggiani E, Tognon M, Martini F, Rotondo JC. **Immortalized erythroid cells as a novel frontier for in vitro blood production: current approaches and potential clinical application.** Stem Cell Res Ther. 2023 May 24;14(1):139. doi: 10.1186/s13287-023-03367-8. PMID: 37226267; PMCID: PMC10210309. **IF:8.088**

DRIVING LICENCE(S)

Driving license B

Ferrara, 10/10/2023

The signature is not affixed, to protect the data of the person concerned, pursuant to Legislative Decree No. 196 of 30/06/2003 and Article 13 of the GDPR (EU Regulation 2016/679)