

# MARCO GATTA

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Genre Maschio

Date of birth 05/05/1998



## WORK EXPERIENCE

01/05/2023 - 30/11/2023

### Volunteer

CAST-Center for Advanced Studies and Technology, Chieti, Italia  
Research activity: Experimental design, data analysis and interpretation. Human primary culture setup and expansion (mesenchymal stem cells from placenta, cell line culture handling). Biological samples collection, processing and analysis (qRT-PCR, Western Blot, ELISA, microarray, metabolic, fluorimetric and spectrophotometric analysis, enzymatic and radioimmunoassays).

01/07/2021 - 01/12/2021

### Pharmacist trainee

Farmacia Allegrini, VILLALAGO (Aq), Italia

- Management of returns and expired drugs, loading and unloading of drugs, management of RR, RNR, restrictive, dematerialised, dematerialised veterinary, DPC and narcotics management.
- Prescription pricing and dispatch in the relevant ASL.
- Vaccines and naso-pharyngeal swabs.
- Patient management, care and support.

01/12/2023 - Present

### Phd student

Università degli studi G.D'Annunzio, CHIETI, Italia  
Currently enrolled in the first year of the PhD course in : "Science and Technology for sustainable development", Department of Innovative Technologies in Medicine and Dentistry (DTIMO).  
Research project: "Oral ingestion of polystyrene micro(nano)plastics promotes pulmonary inflammation via intestinal mucosal damage".

## EDUCATION AND TRAINING

12/09/2012 - 14/07/2017

### Secondary School Diploma

Liceo Scientifico E.Fermi, Sulmona, Italia  
Votazione 98/100.

02/10/2017 - 26/04/2023

### Master Degree In Pharmacy

Università G. D'Annunzio, Chieti, Italia  
Experimental degree thesis in Pharmaceutical Technology and Chemistry entitled: " Risk assessment of lithium titanate nanoparticles ".

Vote 110/110 cum laude and distinction for outstanding curriculum vitae.

01/12/2023 - present

**Postgraduate School in Clinical Pharmacology and Toxicology**  
Università degli studi dell'Aquila, l'Aquila, Italia

15/01/2024 - 02/02/2024

**Training Course in laboratory animal science**  
IZS della Lombardia e dell'Emilia Romagna, Italia  
BIOLOGY AND MANAGEMENT OF LABORATORY ANIMALS, MODULES 3.1, 4, 5, 6.1, 7. DM 5 AGOSTO 2021 RODITORI E LAGOMORFI - DM 5 AGOSTO 2021 - 1st Edition, delivered in distance learning by the Istituto Zooprofilattico Sperimentale della Lombardia e dell'Emilia-Romagna. Training event recognised as suitable by the Ministry of Health for rodents and lagomorphs with the achievement of the credits necessary to perform the following functions: function as per Art. 1, paragraph 1, lett. a) and b) of Ministerial Decree 5 August 2021 - 21 CFP; function as per Art. 1, paragraph 1, lett. c) and d) of Ministerial Decree 5 August 2021 - 17 CFP. Certificate issued on 26/02/2024).

20/01/2023 - 02/02/2024

**Training Course in laboratory animal science**  
IZS della Lombardia e dell'Emilia Romagna, Italia  
NATIONAL LEGISLATION AND ETHICS LEVEL 1, MODULES 1 AND 2, DM 5 AGOSTO 2021 - Single Edition, delivered in distance learning by the Istituto Zooprofilattico Sperimentale della Lombardia e dell'Emilia-Romagna (from 30/05/2022 to 30/11/2022). Training event recognised as suitable by the Ministry of Health with the assignment of 5 CFPs for the following functions: Art. 1, paragraph 1, lett. a), lett. c), lett. d) of Ministerial Decree of 5 August 2021. Certificate issued on 12/03/2024

23/11/2023 - 23/11/2023

**Training Course in laboratory animal science**  
IZS dell'Abruzzo e del Molise "G.Caporale", Teramo, Italia  
Alternative methods to animal testing: practical experiences of total replacement and frontier innovation  
Training event provided by the CME Provider-368, acknowledged by the Ministry of Health on 31/10/2023, with the achievement of the necessary credits for the following functions, for all species:  
1) Functions referred to in Art. 1, paragraph 1, letters A), B), C): 2 CFP (Mod. 2.)  
2) Function referred to in Art. 1, paragraph 1, letter B): 4 CFP (Mod. 2, 9).  
3) Tasks referred to in Art. 1, paragraph 2, letters A), B), C): 4CFP (Mod 2,9).  
Certificate issued in Teramo on 10/01/2024.

**Technical expertise in laboratory animal science**

*Mice:* Handling and restraint techniques, routine welfare assessment, weaning, cage changing

**PERSONAL SKILLS AND COMPETENCIES**

Madrelingua

**Italiano**

Other languages

**Inglese** | English Language Certificate European level B1 issued by XYZ Language School.

**Comprensione**

**B2** - Ascolto

**B2** - Lettura

**Parlato**

**B2** - Interazione orale

**B2** - Produzione orale

**Scrittura**

**B2**

Organisational and managerial skills	Great ability and habit of teamwork. Strong sense of responsibility and focus on objectives. Organisational and time management skills and good problem-solving abilities.
Work-related skills	Technical skills: use of Thermo Scientific Quant thermal cyclers Studio 5, Quant Studio 7, Incucyte S3 Sartorius, HPLC.
Digital skills	Office package (Word, Excel, Power Point). Data processing and statistical analysis with Prism-GraphPad.
List of publications	<p>Bruno A, Milillo C, Anaclerio F, Buccolini C, Dell'Elice A, Angilletta I, <b>Gatta M</b>, Ballerini P, Antonucci I. Perinatal Tissue-Derived Stem Cells: An Emerging Therapeutic Strategy for Challenging Neurodegenerative Diseases. <i>Int J Mol Sci.</i> 2024; 25:976</p> <p>Milillo C, Aruffo E, Di Carlo P, Patruno A, <b>Gatta M</b>, Bruno A, Marinelli L, Dimmito MP, di Giacomo V, Paolini C, Pesce M, Ballerini P. Polystyrene nanoplastics mediate oxidative stress, senescence, and apoptosis in a human alveolar epithelial cell line. (RESEARCH ARTICLE, submitted to <i>Frontiers in Public Health</i>).</p> <p>Upadhyaya P, Milillo C, Bruno A, Anaclerio F, Buccolini C, Dell'Elice A, Angilletta I, <b>Gatta M</b>, Ballerini P, Antonucci I. Nicotine induced genetic and epigenetic modifications in primary human amniotic fluid stem cells. (RESEARCH ARTICLE, submitted to <i>Current Pharmaceutical Design</i>).</p>