



## Europass Curriculum Vitae

### Personal information

First name(s) / Surname(s) **Marta Morotti**

Address(es)

Telephone(s)

Mobile:

Fax(es)

E-mail

Nationality

Date of birth

Gender Female

### Work experience

Dates **October 2019 – January 2023**

Occupation or position held PhD student

Main activities and responsibilities Cellular and Molecular biology, electrophysiology techniques, behavioral and functional test

Name and address of employer Clinical/Experimental Neuroscience and Psychiatry, Sapienza University of Rome, Italy

Dates **February 2019 – October 2019**

Occupation or position held Fellowship

Main activities and responsibilities Cellular and Molecular biology, electrophysiology techniques, behavioral and functional test

Name and address of employer Biophysics Laboratory - Dept of Pharmacology and Physiology Vittorio Erspamer, Sapienza University of Rome, Italy

### Education and training

Dates **October 2013 – November 2016**

Title of qualification awarded Bachelor's degree (DM. 270/04) of Biology (CLASSE L-13).

Principal subjects/occupational skills covered Bachelor's degree project: " Role of Nutrients in the Control of Neurogenesis"

Name and type of organisation providing education and training Sapienza University of Rome, Italy

Vote 103/110

Dates **October 2016 – October 2018**

Title of qualification awarded Master's degree (DM. 270/04) of Neurobiology (CLASSE LM-6).

Principal subjects/occupational skills covered Master's degree project: "**Study of hypothalamic microglia in a murine model of amyotrophic lateral sclerosis**"

Name and type of organisation providing education and training Dept of Pharmacology and Physiology Vittorio Erspamer, Sapienza University of Rome, Italy

Vote 110/110 summa cum laude

## Personal skills and competences

Mother tongue(s) **Italian**

Other language(s) **English**

Self-assessment

European level (\*)

**Italian**

**English**

Understanding		Speaking		Writing	
Listening	Reading	Spoken interaction	Spoken production		
C2	C2	C2	C2	C2	
C1	C1	B2	B2	B1	

(\*) [Common European Framework of Reference for Languages](#)

Social skills and competences

Ability to organize independently or in group the work and to cooperate with other figures managing the priority even in stressful situations in order to meet deadlines and targets. Ability to work even in interdisciplinary project and always willing to increase and integrate the experience and knowledge with a sense of initiative. Good scientific writing skills and oral communication.

Organisational skills and competences

Replace this text by a description of these competences and indicate where they were acquired.  
(Remove if not relevant, see instructions)

Technical skills and competences

Autonomy tested in the laboratory as regards the cellular and molecular biology, electrophysiology, fluorescence microscopy and in vivo models (mice). Excellent ability to manipulate animal model. Excellent application of electrophysiological techniques, immunofluorescence methods, PCR, real time PCR, ELISA.

- Cellular and molecular biology: cell cultures, DNA/RNA and protein extraction and quantification, PCR and q-PCR, ELISA and Immunofluorescence. Correcting use of biological and chemical Hoods.
- Imaging: Fluorescence microscopy.
- Electrophysiology on slices and in vitro: Solution preparation, Cell-Attached and Whole cells configuration of Patch Clamp
- Behavioral and Functional technique, Open Field, Grip test, Wire test, Fear Conditioning.
- Surgery: Dissection and tissue collection in rodent, transcardial perfusion, intraperitoneal injection.

Computer skills and competences

- Microsoft Office suite.
- Statistics software: SigmaPlot, Graphpad.
- Imaging and deconvolution software: Metamorph, ImageJ.
- Electrophysiology Software: Clampet, Clampdata

Other skills and competences

Replace this text by a description of these competences and indicate where they were acquired.  
(Remove if not relevant, see instructions)

Driving licence **B**

## Training and Congress

Dates 17 October 2019 – 20 October 2019

Name and type of organization providing education and training

Institute interuniversity of Myology, Italy

Principal subjects/occupational skills covered	<b>High Training Course in Advanced Myology</b>
Dates	18 October 2019 – 20 October 2019
Name and type of organization providing education and training	Institute interuniversity of Myology, Italy
Principal subjects/occupational skills covered	The 16th IIM Meeting “ <b>Pathogenesis and Therapies of Neuromuscular Diseases</b> ”
Dates	31 October 2019
Name and type of organization providing education and training	Ministry of Health, Italy
Principal subjects/occupational skills covered	Workshop “ <b>The principle of the 3R</b> ”
Dates	16 October 2020 – 18 October 2020
Name and type of organization providing education and training	Institute interuniversity of Myology
Principal subjects/occupational skills covered	The 17th IIM Meeting “ <b>Pathogenesis and Therapies of Neuromuscular Diseases</b> ” Poster: “KCa3.1 ion channels as a tool to protect dystrophic muscle”
Dates	July – September 2021
Name and type of organization providing education and training	Sapienza university of Rome, Italy
Principal subjects/occupational skills covered	<b>Animal welfare in the research</b>
Dates	March - 2022
Name and type of organization providing education and training	Salzburg Institut Pasteur, Austria
Principal subjects/occupational skills covered	Global Health: <b>Neurological and Sensory Disorders: Genes, Pathogenesis and Innovative Therapies</b>
Dates	29-30 September 2023
Name and type of organization providing education and training	5 <sup>th</sup> Brainstorming Research Assembly for young Neuroscientists
Principal subjects/occupational skills covered	Neuroscience
Dates	20-23 October 2023
Name and type of organization providing education and training	<b>Interuniversity Institute of Myology Meeting 2022</b>
Principal subjects/occupational skills covered	Pathogenesis and Therapies of Neuromuscular Diseases
Dates	November 2022 – April 2023
Name and type of organization providing education and training	Sapienza university of Rome, Italy
Principal subjects/occupational skills covered	Training on Preclinical Experimentation and Animal Welfare

## Publications and Achievements

- Winner of “Projects to Start Research - Type 2” in 2022 with the Project: “Characterization of the development of the neuromuscular junction in dystrophic mice”
1. Morotti, M.; Gaeta, A.; Limatola, C.; Catalano, M.; Di Castro, M.A.; Grassi, F. Early Developmental Changes of Muscle Acetylcholine Receptors Are Little Influenced by Dystrophin Absence in mdx Mouse. *Life* 2022, 12, 1861. <https://doi.org/10.3390/life12111861>
  2. Morotti, M.; Garofalo, S.; Coccozza, G.; Antonangeli, F.; Bianconi, V.; Mozzetta, C.; De Stefano, M.E.; Capitani, R.; Wulff, H.; Limatola, C.; et al. Muscle Damage in Dystrophic mdx Mice Is Influenced by the Activity of Ca<sup>2+</sup>-Activated KCa<sub>3.1</sub> Channels. *Life* 2022, 12, 538. <https://doi.org/10.3390/life12040538>
  3. Coccozza, G., Garofalo, S., Morotti, M., Chece, G., Grimaldi, A., Lecce, M., Scavizzi, F., Menghini, R., Casagrande, V., Federici, M., Raspa, M., Wulff, H., & Limatola, C. (2021). The feeding behaviour of Amyotrophic Lateral Sclerosis mouse models is modulated by the Ca<sup>2+</sup>-activated KCa<sub>3.1</sub> channels. *British Journal of Pharmacology*, 178(24), 4891–4906. <https://doi.org/10.1111/bph.15665>

30 Marzo 2023

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