

Curriculum Vitae – Maria Garofalo



Personal information

Name: Maria Garofalo

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Education

2018

October 2018

PhD Student in Genetics, Molecular and Cellular Biology | University of Pavia, Italy

2016-2018

October 2016-July 2018

Master's Degree in Molecular Biology and Genetics (English Master Course)
| University of Pavia, Italy. Grade of: 109/110

Internship | “GpG Center, IRCCS Fondazione Mondino” Pavia, Italy

Laboratory of Dr. Cristina Cereda

Role of antisense long-noncoding RNAs in Amyotrophic Lateral Sclerosis

March 2016-September 2016

Internship | “Istituto Zooprofilattico Sperimentale di Puglia e Basilicata”,
Department of “Molecular Virology”, Foggia, Italy

Laboratory of Dr. Iolanda Padalino

Detection of virus nucleic acid from animal samples

January 2016-March 2016

Study of English Language | “EF International School” Brisbane, Australia
Achievements: IELTS Academic 7.0 (C1)

2012-2015

October 2012-October 2015

Bachelor’s Degree in Biotechnology | University of Teramo, Italy
Grade of: 106/110

Internship | “Department of Molecular Biology and Biochemistry” University of
Teramo, Italy

Laboratory of Dr. Claudio D’Addario

Regulation and Epigenetics of endocannabinic genes in Food Addiction

2007-2012

Classical lyceum Vincenzo Lanza Foggia, Italy

Experimental Skills

Molecular Biology

- Extraction of DNA and RNA from peripheral blood and tissues
- PCR "Polymerase chain reaction"
- Quantitative analysis by Q-PCR, SybrGreen
- Preparation and analysis of agar and polyacrilamide gel

- Pyrosequencing
- Next generation sequencing, preparation of DNA and RNA libraries.

Cellular Biology

- Extraction of lymphocyte from peripheral blood
- Preparation of culture media (liquids and solids)
- Cultivation of monocytes and neuronal cells
- Cell count using Trypan Blue
- Treatments
- Cells transfection.

Proteomics

- Protein Detection by AlphaLISA immunoassays
- Identification and quantification of protein by Western blotting.

Extracurricular experiences

2015-2016 **Tutor** | For high school students, Foggia, Italy

2014-2015 **Radio Speaker** | “Radiofrequenza”, University of Teramo, Italy

Abstract:

1. “Investigating the role of c-MYC and its long-non-coding RNA MINCR in ALS” Cecilia Pandini, Maria Garofalo, Susanna Zucca, Orietta Pansarasa, Stella Gagliardi, Matteo Bordoni, Cristina Cereda. National Meeting of PhD Students in Neuroscience SINS, Naples, February 23, 2018.
2. “Investigating the involvement of coding and long non coding proto-oncogene c-MYC in ALS”. Cecilia Pandini, Maria Garofalo, Stella Gagliardi, Susanna Zucca, Orietta Pansarasa, Matteo Bordoni, Cristina Cereda. Brainstorming Research Assembly For Young Neuroscientists 29-30 June 2018 Genoa.
3. “Investigating the role of c-MYC and its long-non-coding RNA MINCR in ALS”. Stella Gagliardi, Susanna Zucca, Cecilia Pandini, Maria Garofalo, Orietta Pansarasa, Cristina Cereda. 5th RNA Metabolism in Neurological Disease Conference 1-2 November 2018 San Diego, USA.