

## Personal information

SURNAME / NAME Pandini Cecilia  
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NATIONALITY Italian  
DATE AND PLACE OF BIRTH 14.06.1993, Milan

## Education and training

2007 – 2012 Classical lyceum P. Verri, Lodi, Italy

2012 – 2015 Bachelor's Degree in Medical Biotechnology 105/110  
University of Milan, Department of Medical Biotechnology and Translational Medicine, Milan, Italy

THESIS "Role of the Mir-15/107 family in the regulation of BACE1 expression levels"

2015 – 2017 Master's Degree in Neurobiology 110/110 cum laude  
University of Pavia, Department of Biology and Biotechnology, Pavia, Italy

MASTER DEGREE TRAINEESHIP Center of Genomic and Post Genomic, National Neurological Institute C.Mondino, Pavia, Italy

THESIS "Role of curcumin and its novel synthetic analogs in Alzheimer's Disease prevention"

2017 – Present PhD Program in Genetics, Molecular and Cellular Biology  
University of Pavia, Department of Biology and Biotechnology, Pavia, Italy  
Center of Genomic and Post Genomic, National Neurological Institute C.Mondino, Pavia, Italy

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| FIRST LANGUAGE  | Italian |
| OTHER LANGUAGES | English |

#### LABORATORY TECHNIQUES:

##### Molecular Biology

- Extraction of DNA and RNA from peripheral blood
- PCR "Polymerase chain reaction"
- Quantitative analysis by Q-PCR, SybrGreen
- Preparation and analysis of agar and polyacrilamide gel
- Sequencing of the DNA using the instrument ABI 310 Genetic Analyzer
- 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 (eg, beta-amyloid).

##### Proteomic

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

#### PUBLICATIONS

1. "Potential applications of curcumin and its novel synthetic analogs in Alzheimer's disease prevention." S. Gagliardi, Franco V., C. Pandini, , E. Sinforiani, P. Bini,, J. Cashman,, C. Cereda . ADPD 2017, 28 March – 1 April 2017, Vienna.
2. "Alzheimer's disease prevention by curcumin and its novel synthetic analogs as nutritional integrators." S. Gagliardi, Franco V., C. Pandini, E. Sinforiani, J. Cashman, C. Cereda. 12° CONVEGNO NAZIONALE SINDEM 2017, Firenze, 16-18 /03/2017.
3. "Differentially expressed Antisense RNAs in sporadic Amyotrophic Lateral Sclerosis patients" Stella Gagliardi, Susanna Zucca, Maddalena Arigoni, Cecilia Pandini, Matteo Bordoni, Orietta Pansarasa, Mauro Ceroni, Raffaele Calogero, Cristina Cereda. 17TH NATIONAL CONGRESS OF ITALIAN SOCIETY OF NEUROSCIENCE, ISCHIA, ITALY, OCTOBER 1-4 2017.

4. "Natural Antisense Transcripts and Long Non-Coding RNA in Amyotrophic Lateral Sclerosis." Stella Gagliardi, Susanna Zucca, Maddalena Arigoni, Cecilia Pandini, Federica Rey, Matteo Bordoni, Orietta Pansarasa, Mauro Ceroni, Raffaele Calogero, Cristina Cereda. 17TH NATIONAL CONGRESS OF ITALIAN SOCIETY OF NEUROSCIENCE, ISCHIA, ITALY, OCTOBER 1-4 2017.
5. "Investigation of Antisense long non coding RNAs in sporadic Amyotrophic Lateral Sclerosis patients." Stella Gagliardi, Susanna Zucca, Maddalena Arigoni, Cecilia Pandini, Luca Diamanti, Orietta Pansarasa, Mauro Ceroni, Raffaele Calogero, Cristina Cereda. The 28th International Symposium on ALS/MND, Boston, USA on 8-10 December 2017.
6. "Deep RNAs profiling in Peripheral Blood Mononuclear Cells and Spinal Cord from Sporadic Amyotrophic Lateral Sclerosis patients." Stella Gagliardi, Susanna Zucca, Cecilia Pandini, Luca Diamanti, Matteo Bordoni, Daisy Sproviero, Maddalena Arigoni, Orietta Pansarasa, Mauro Ceroni, Raffaele Calogero, Cristina Cereda. XX CONGRESSO NAZIONALE SIGU, NAPOLI, 15-18 NOVEMBRE 2017.
7. "Long non-coding and coding RNAs characterization in Peripheral Blood Mononuclear Cells and Spinal Cord from Amyotrophic Lateral Sclerosis patients." Stella Gagliardi, Susanna Zucca, Cecilia Pandini, Luca Diamanti, Matteo Bordoni, Daisy Sproviero, Maddalena Arigoni, Martina Olivero, Orietta Pansarasa, Mauro Ceroni, Raffaele Calogero, Cristina Cereda. (Submitted to Scientific Report).