

CURRICULUM VITAE

Alessandra Campanelli



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Date of birth: 03/05/1993

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Address: Via Nicola Tagliaferri 6, 00135, Rome, Italy

EDUCATION

- **October 2015 – October 2017**

Master of Science in Neurobiology.

Department of Biology and Biotechnology “Charles Darwin”, University La Sapienza, Rome, Italy.

Final grade: 110/110 cum laude

Laboratory training activity for the thesis project at the Institute of Human Physiology, directed by Professor Claudio Grassi, University Cattolica del Sacro Cuore, Rome, Italy.

Final dissertation:

“Role of astrocytes in mediating HSV-1 infection in neuronal cells”

- **October 2012 - July 2015**

Bachelor's Degree in Healthcare Biotechnology, University Cattolica del Sacro Cuore, Rome, Italy.

Final Grade: 110/110

Laboratory training activity for the thesis project at the Institute of Human Physiology, directed by Professor Claudio Grassi, University Cattolica del Sacro Cuore, Rome, Italy.

Final dissertation:

“Recurrent herpes simplex type-1 (HSV-1) infections alter adult hippocampal neurogenesis in mice via amyloid β - protein (A β) production and accumulation”

- **September 2007- July 2012**

High **school diploma** classical studies, “Dante Alighieri” via Ennio Quirino Visconti 13, Rome, Italy.

Final Grade 84/100

PERIOD ABROAD

- **September 2016 – December 2016**

Erasmus+ Programme at the Campus Carreire, University of Bordeaux, France.

“Bordeaux International Master of Neuroscience”

Learned the fundamentals of:

- Addiction
- Pathophysiology of neurological and psychiatric disease

These exams were valid for the Master's Degree in Neurobiology at the University La Sapienza, Rome, Italy.

WORK EXPERIENCE

- **October 2019 – Present**

PhD in Neuroscience, Psychological and Psychiatric Sciences, and Movement Sciences (XXXV cycle).

- **March 2019 – October 2019**

Research Fellowship at Pharmacology Laboratory, Department of Diagnostics and Public Health, University of Verona, Italy for the European Project HERMES: Hybrid Enhanced Regenerative Medicine Systems.
Supervisor Dr. Ilaria Decimo.

- **January 2018 – December 2018**

Cooperation Agreement with European Brain Research Institute (EBRI) “Rita Levi-Montalcini”, Rome, Italy, for the European Project MADIA: Magnetic Diagnostic Assay for neurodegenerative diseases.

Research Internship at Genomics Laboratory. Supervisor Dr. Mara D’Onofrio.

Participation at the European Project MADIA Meeting at the University of Brighton from 4 to 6 of July 2018.

SCIENTIFIC AND TECHNICAL SKILLS

- Technical skills:
 - Microarray GeneExpression, Agilent technology
 - Microarray miRNA, Agilent technology
 - Comparative Genomic Hybridization CGH, Agilent technology
- Ability to apply molecular and biochemical biology methods:
 - Extraction and Purification of RNA and DNA
 - PCR
 - Real-Time PCR Bio-Rad
 - Real time PCR Applied Biosystem ViiA 7
 - Extraction of proteins from tissues and cell cultures
 - Capillary electrophoresis by Bioanalyzer Agilent
 - Agarose and polyacrylamide electrophoresis
 - Western Blot
 - ELISA
 - Immunofluorescence and confocal microscopy: immunocytochemistry and immunohistochemistry
- Cell Biology skills:
 - Mammalian cell cultures
 - Transient transfections
 - Primary cultures of cortical and hippocampal neurons

- Cultures of neuronal stem cells
- 3D cultures
- Animal handling:
 - Rodents surgeries (spinal cord injury and stereotactic surgery)
 - Specific spinal cord injury evaluation tests (Basso Mouse Scale, ankles movement)
- Computer skills:
 - software for analysis of nucleic acids and proteins
 - database screening for molecular biology
 - Good knowledge of data processing programs like: Feature extraction, GeneSpring GX, Agilent Genomic Workbench.
 - Software: Good knowledge of Microsoft Office tools: Word, PowerPoint, Excel.
 - Good knowledge of ImageJ Fiji and GraphPad Prism
 - Operating Systems: Good knowledge of Windows XP, Apple MAC OS X

ABSTRACT

- Ciarpella F., Zamfir R., Campanelli A., Gostynska N.E., DiChio M., Pedrotti G., Dolci S., Mannino L., Romagnoli F., Fumagalli G., Curia G., Panuccio G., Palazzolo G., Decimo I. "Recapitulating hippocampal structure: a 3D brain organoid model". Abstract submitted at European Organoids Symposium 2019 (EOS2019), September 23-24 2019, Centro Congressi Fondazione Cariplo, Istituto Mario Negri, Milan, Italy.
- D.D. Li Puma, R. Piacentini, A. Campanelli, A. Mastrodonato, L. Leone, G. De Chiara, A. Palamara, C. Grassi "Recurrent herpes simplex type-1 (HSV-1) infections alter adult hippocampal neurogenesis in mice via amyloid- β protein (A β) production and accumulation".

PARTECIPATION TO CONGRESS:

- Certificate of attendance at Workshop CellTox2019 "Organoids, iPSc and 3D systems: advanced models in *in vitro* toxicology" on 7 May 2019, Milan, Italy.
- Certificate of attendance at the Conference "Artificial Intelligence and Health" organized by the National Research Council (CNR), Piazzale Aldo Moro 7 Rome, Italy, on 14 December 2018.
- Certificate of attendance at Workshop "Out of the box research in neurodegeneration" organized by Scuola Normale Superiore Pisa, Italy, on 3 December 2018.
- Certificate of attendance at XII Conference "The Contribution of the Centers for Cognitive Disorders and Dementia in the integrated management of patients" organized by Istituto Superiore di Sanità, Viale Regina Elena 299, Rome, Italy, on 15 and 16 November 2018.
- Certificate of attendance at the "Training course on Technology Transfer" organized by INNOVA (Technology Transfer & Valorisation) held at the University of Brighton on 4 July 2018.
- Certificate of attendance at the "Neurodegenerative Disorders: the challenge of early diagnosis" Workshop within the European Project MADIA: Magnetic Diagnostic Assay for

neurodegenerative diseases organized by the EBRI Foundation "Rita Levi-Montalcini" held at University La Sapienza, Rome, Italy, on 19 January 2018.

- Certificate of attendance at the "Training course on Business Plan" organized by INNOVA (Technology Transfer & Valorisation) held at the Accademia Nazionale delle Scienze XL, Rome, Italy on 17 January 2018.
- Certificate of attendance at the "Navigation" Workshop at the European Brain Research Institute (EBRI) "Rita Levi-Montalcini" held at the National Academy of the Lincei Rome, Italy, on 19 April 2017: conference held by the most renowned neuroscientists in memory of Rita Levi Montalcini.
- Certificate of attendance at the Biophysys @ Rome Congress at the National Research Council (CNR), Piazzale Aldo Moro 7 Rome, Italy, on 18 and 19 May 2017: a conference devoted to the various languages of the scientific disciplines and their ability to "talk" to face together challenges of the future.

SKILLS

Language Skills

- Mother Language: Italian
- Other Languages:

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
French	A1	A1	A1	A1	A1
Spanish	A1	A1	A1	A1	A1

*Levels: A1/2: basic user – B1/2: Independent user – C1/2 Proficient user
Common European framework of reference for languages*

Certificates:

- PET certificate
- English course at the University Cattolica del Sacro Cuore Rome, Italy, for FIRST certificate
- English course at the University Cattolica del Sacro Cuore Rome, Italy, for IELTS certificate
- French course level A1 at the University of Bordeaux, France.

Personal Skills

- Teamwork
- An ever-growing passion for the field of biology
- Flexibility
- Passion
- Dynamism
- Curiosity
- Capability of analysis, planning in work-related context

Sport Experiences

- Rhythmic Gymnastics at agonistic level (2000 – 2012)
- Participation in Italian regional and national championships
- Tennis at amateur level

Work Experience

September 2012 - July 2014:

- Circolo sportivo SSD Village, Largo Antonio Vivaldi, 1; 00050 – Valcanneto - Cerveteri, Rome
 - Athletic trainer
 - Amateur rhythmic gymnastics trainer
- Seasonal work: Waiter at the Nuclear Bar; Via Trionfale 8598, Rome.

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Sassandra Puyfardelli