Curriculum Vitae et Studiorum

PERSONAL DATA

Last Name
Ricci
First Name
Valentina
Birthplace
Birth date
Nationality
Italian
IAILING ADDRESS
Address
Address Postal code
Address Postal code City
Address Postal code City Country

Phone/Mobile Phone

1. EDUCATION

PhD University Università di Roma "La Sapienza" PhD programme in Molecular Medicine (XXXVIII cycle) Start (2022,11) – Ongoing Supervisor: Maria Laura Falchetti Tutor: Giuseppe Giannini Standard length of the program (In years): 3

ACADEMIC DEGREES

MASTER	
University	
Università di Roma "La Sapienza"	
Master degree in:	
Neuroscienze Cognitive e	
Riabilitazione Psicologica	
Start (2016,10) –End (2019,07)	
Date of attainment 25/07/2019	
Standard length of the program	
(In years), 2	

(In years): 2

Final grade:	
110 e lode/110	
Final degree project:	
LA RELAZIONE TRA	
NEUROGENESI ADULTA E I DEFICIT	
OLFATTIVI NELLA MALATTIA DI	
NIEMANN-PICK C.	
(Supervisor: Maria Teresa	
Fiorenza)	
BACHELOR	
University	
Università di Roma "La Sapienza"	
Bachelor degree in:	
Psicologia e Salute	
Start (2013, 09) –End (2016, 07)	
Standard length of the program	
(In years): 3	
Final grade: 100/110	
Final degree project:	
NEUROBIOLOGIA DEI	
DISTURBI DEL COMPORTAMENTO	
ALIMENTARE IN INFANZIA E IN	
ADOLESCENZA.	
(Supervisor: Anna Maria Speranza)	

2. FELLOWSHIPS/SCHOLARSHIPS

Name of fellowship/Scholarship: ERASMUS+ STUDY PROGRAMME

Hosting institution:

Universitat de Valencia

Period: from 2014/09 to 2015/01

Brief description of the activities: Courses in spanish language: "Social Psychology of Work", "Psychology of Education and Instruction", "Psychoendocrinology", "Psychometry" and "Clinical Psychology"

Name of fellowship/Scholarship:

The risk in healthcare facilities course

Hosting institution:

University of Rome Unitelma Sapienza

Period: from 2017/02 to 2017/03

Brief description of the activities: general training course on workplace health protection.

3. LANGUAGE SKILLS

English:

UNDERS	TANDING	SPEAKING	WRITING
Listening	Reading		
C1	C2	B2	C2

Other known language(s):

Spanish:

UNDERST	TANDING	SPEAKING	WRITING
Listening	Reading		
B2	C1	B1	B2

4. RESEARCH AND WORK EXPERIENCE

RELEVANT PROFESSIONAL EXPERIENCES

2017/10–2018/09 Social Cooperative San Saturnino Onlus, Rome: National Civil Service; educational, rehabilitation and socio-cultural projects for elderly people with or without cognitive deficits.

2017/01–2017/10 University of Rome "La Sapienza", Faculty of Psychology: student orientation service, with support and assistance activities to promote the quality of the student-university relationship.

RELEVANT RESEARCH EXPERIENCES

2022-ongoing *National Research Council, Institute of Biochemistry and Cell Biology (IBBC)*: PhD student; Regorafenib in glioblastoma: molecular characterization of tumor response and translational opportunities

2022-2023 National Research Council, Institute of Biochemistry and Cell Biology (IBBC): research fellow; development of lipid nanoparticles (liposomes) capable of encapsulating Nusinersen (orphan drug approved in 2016 and used in the treatment of SMA and delivered to motor neurons by crossing the blood brain barrier (BEE).

2020-2021 *European Brain Research Institute (EBRI)*: Internship; behavioral and biochemical studies in murine models of Alzheimer disease with retinal deficits.

2019-2020 National Research Council, Institute of Biochemistry and Cell Biology (IBBC): postgraduate internship; learning techniques for the analysis of neuronal components associated with behavior in the form of Autism called Fragile X Syndrome (FXS). Analysis by optical microscopy and specific software (ImageJ, Reconstruct) of sub-cellular components in tissues extracted from a murine model of the pathology.

Protein extraction and subsequent analysis by molecular biochemistry techniques, including dot blot and western blot, in a mouse model of Alzheimer's disease.

2017-2019 University of Rome "La Sapienza", Faculty of Psychology: 75 hours in the neurobiology laboratory for the purposes of preparing the Master's thesis: administration of behavioral tests to animals with or without

neuropathology; application of a bromodeoxyuridine labeling protocol and quantification of neural stem cells by immunofluorescence techniques.

5. PUBLICATIONS

5.1 Petrella C., Strimpakos G., Torcinaro A., Middei S., Ricci V., Gargari G., Mora D., De Santa F., Farioli-Vecchioli S. Proneurogenic and neuroprotective effect of a multi strain probiotic mixture in a mouse model of acute inflammation: Involvement of the gut-brain axis. *Pharmacological Research*. 2021, Volume 172, 105795.
5.2 Torcinaro A., Ricci V., Strimpakos G., De Santa F., Middei S. Peripheral Nerve Impairment in a Mouse Model of Alzheimer's Disease. *Brain Sciences*. 2021, 11(9), 1245.

5.3 Farioli-Vecchioli S., **Ricci V.**, Middei S. Adult Hippocampal Neurogenesis in Alzheimer's Disease: An Overview of Human and Animal Studies with Implications for Therapeutic Perspectives Aimed at Memory Recovery. *Neural Plasticity*. 2022, vol. 2022, 9959044.

5.4 Laghi, V., Ricci, V., De Santa, F. and Torcinaro, A. A User-Friendly Approach for Routine Histopathological and Morphometric Analysis of Skeletal Muscle Using CellProfiler Software. *Diagnostics*. 2022, 12, 561.

5.5 Mongiardi, M.P., Buccarelli, M., Formato, A., Orecchini, E., Salbini, M., **Ricci, V.**, Orsini, T., Putti, S., Chiesa, S., Ricci Vitiani, L., et al. Characterization of Glioblastoma Cells Response to Regorafenib. *Cancers.* 2022, 14, 6193.

6. COMPUTER SKILLS

6.1 software applications

Name	Advanced	Intermediate	Basic
Microsoft Office	\checkmark		
SPSS		\checkmark	
ImageJ	\checkmark		
Reconstruct		\checkmark	
Imaris			\checkmark
CellProfiler		\checkmark	

6.2 programming languages

Name	Advanced	Intermediate	Basic
Phyton			\checkmark
Java			\checkmark

6.3 operating systems

Name	Advanced	Intermediate	Basic
Windows	✓		
iOS		\checkmark	

7. OTHER SKILLS

Molecular Biology Techniques: DNA and RNA extraction, quantification and analysis. Protein extraction from tissues and cell pellets, quantification and Western blot. Separation of nucleic acids on agarose gel, PCR (Polymerase Chain Reaction), RT-PCR (Retro Transcriptase-Polymerase Chain Reaction), Real-time RT-PCR. Preparation of solutions. Cell biology techniques: preparation of culture media, seeding and expansion of cell lines, freezing and thawing; preparation of primary and tumor cell cultures, in adhesion and in suspension; cell counts, transfections, MTS assays. Histological techniques: paraffin embeddings and OCT, microtome sections, immunohistochemistry, immunocytochemistry and immunofluorescence, image acquisition by confocal and optical microscopy. Equipment: Use of centrifuges, spectrophotometer, sonicator, Ph-meter, Real-Time PCR System, equipment for conventional electrophoresis, for Western Blotting, hoods and equipment for cell biology. Familiarity with handling laboratory animals. Excellent command of image analysis software (ImageJ, Imaris, Neurolucida, Reconstruct and Cell Profiler).