europass Curriculum vitae

PERSONAL INFORMATION

Klizia Maccaroni

WORK EXPERIENCE

01/02/2020–present

Organizational support activities and support for active teaching (workshops)
External collaboration (Ban 23/2019 CE) – Dept. of Biology and Biotechnologies “Charles Darwin”

Sapienza University of Rome
Piazzale Aldo Moro 5, 00185 Rome (Italy)

01/12/2018–01/10/2019

Post - doctoral training

Molecular Cytogenetics Laboratory

Sapienza University of Rome
Piazzale Aldo Moro 5, 00185 Rome (Italy)

Supervisor: Professor Franca Pelliccia – Dept. of Biology and Biotechnologies “Charles Darwin”

01/11/2015–31/10/2018

Ph.D. in Genetics and Molecular Biology (XXXI cycle) – with fellowship

Sapienza University of Rome

Piazzale Aldo Moro 5, 00185 Rome (Italy)

Thesis in molecular cytogenetics:
“Common Fragile Sites: updating the causes of their variability in different cell tissues”.

Supervisor: Professor Franca Pelliccia – Dept. of Biology and Biotechnologies “Charles Darwin”
Tutor: Doctor Francesca Degrassi – IBPM – CNR – Rome
Coordinator: Professor Fulvio Cruciani - Dept. of Biology and Biotechnologies “Charles Darwin”

EDUCATION AND TRAINING

11/2017–12/2017

Professional Practice Exam in Biology

Sapienza University of Rome
Piazzale Aldo Moro 5, 00185 Rome (Italy)

10/2013–03/2015

Master’s degree in Genetics and Molecular Biology in Basic and Biomedical Research

Sapienza University of Rome
Piazzale Aldo Moro 5, 00185 Rome (Italy)

Master's degree research in molecular cytogenetic (110/110 cum laude):

“*Analysis of Common Fragile Sites expression in human lymphocytes and fibroblasts*”.

Supervisor: Professor Franca Pelliccia – Dept. of Biology and Biotechnologies “Charles Darwin”

09/2007–07/2012

Bachelor’s degree in Biological Sciences

Sapienza University of Rome
Piazzale Aldo Moro 5, 00185 Rome (Italy)

First degree dissertation in Cellular Biology:

“Telomeres and Telomerase in cellular senescence and cancer”.

Supervisor: Professor Carla Cioni - Dept. of Biology and Biotechnologies “Charles Darwin”

PERSONAL SKILLS

Native language: Italian

English: Excellent written and oral production. Level B2 certified by *First Certificate of English (FCE)*.

Japanese: Basic written and oral production. Level N5

Job-related skills

- **Cytogenetics**: preparation of human karyotypes; recognition and analysis of human normal and pathological chromosomes; analysis of human chromosomal rearrangements and aberrations; preparation of cell culture from lymphocytes from peripheral blood; preparation of normal and pathological human cell lines; preparation and analysis of metaphase spreads of human chromosomes; *Fluorescence in situ hybridization* (FISH) on human nuclei and metaphases; Chromomycin A3 R-banding on human karyotypes; G-banding staining on human chromosomes; human nuclei staining with Ag-NOR. Immunostaining on mammalian chromosomes and nuclei; chromatin fibers preparation; *fiber* combing; Giemsa staining on human chromosomes; metaphases observation with optic and fluorescence microscopy with CCD camera
- **Molecular Biology**: agarose and polyacrylamide gel electrophoresis; protein extraction from mammalian cells, Western blotting; real time-PCR, DNA probes with Nick Translation, bacterial transformation, DNA extraction (BAC and PAC).
- **Informatics/Bioinformatics**: Windows and Macintosh operative systems; Microsoft Office; Adobe Photoshop; Genomic and proteomic databases (NCBI, BLAST, PDB, GO, UniProt, RepeatMasker, OMIM, Mitelman); software and tools for modelling and prediction of proteins' structure: ExPasy, Pymol 2.0 and PyMod.

ADDITIONAL INFORMATION

Publications

- Capitano F., Gargiuli C., Angerilli A., **Maccaroni K.**, Pelliccia F., Mele A., Camilloni G., (2016). *RNA polymerase I transcription is modulated by spatial learning in different brain regions.* J. Neurochem. 136(4):706-716.

Proceedings on peer-reviewed journal

- Pelliccia F., Genovesi ML., **Maccaroni K.**, (2015). *Fanconi anaemia, chromosome instability, DNA replication and fragile sites. Eur. J Hum Genet, 23, suppl.1, 451.*

Conferences and congresses participation

- Cortona (AR) – 26-28/09/2019
  Joint Meeting AGI-SIMAG
  Maccaroni K. et al., "*Common Fragile Sites: how the impaired replication timing promotes their tissue-specific expression*" (poster presentation)

- New York (USA) – 3-7/09 2019
  Eukaryotic DNA Replication & Genome Maintenance.
  Maccaroni K.*, et al. "Genome Instability at Common Fragile Sites. Updating the causes of their variability in different cell tissues."* (poster presentation)

- Cortona (AR) -14 -15/06/2018
  Genetics School in Cortona: Cytogenetic and Molecular Citogenomics.

- Rome – 18-21/09/2018
  XV FISV Congress (Federazione Italiana Scienze della Vita)

"In compliance with the Italian legislative Decree no. 196 dated 30/06/2003, I hereby authorize you to use and process my personal details contained in this document."

Rome, March 2020

Faithfully,

Klizia Maccaroni