EUROPEAN FORMAT FOR CURRICULUM VITAE

PERSONAL INFORMATION

GAIASCHI LUDOVICA

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Nationality | Italian

Date of birth | 12 July 1997

WORK HISTORY

• May 2020- October 2021 | Trainee at the *Laboratory of Infectious Diseases III division, Department of Biomedical and Clinical Sciences Luigi Sacco* (MI)

• Dicember 2018- July 2019 | Trainee at the *Laboratory of Medical Genetics and General Biology of the University of Pavia*

EDUCATION

•2021- ongoing | University of Pavia
PhD course in Genetics, Molecular and Cellular Biology

•2019- 2021 | University of Pavia
Faculty of Medical and Pharmaceutical Biotechnology, Pharmaceutical specialization
Master degree awarded on 19/10/2021 with evaluation: 110/110

•2016- 2019 | University of Pavia
Faculty of Biotechnology, Medical-Pharmaceutical specialization
Bachelor degree awarded on 22/07/2019 with evaluation: 103/110

• 2011-2016 | ISS Taramelli-Foscolo, classic section, Pavia
Classical High School Graduation awarded with evaluation: 76/100

PROFESSIONAL SKILLS

-Working in sterile conditions and with infected material, work experiences in P2 and P3 level laboratories
- Extraction of viral RNA from plasma, serum and supernatant
- Extraction of genomic DNA from whole blood and tissue
- Extraction of bacterial DNA from colony
- Extraction of nucleic acids by automatic extractor with QIAcube, Quiagen
- Synthesis and amplification of cDNA by RT-PCR
- Amplification of DNA with PCR
- Purification of amplified DNA
- Agarose gel electrophoresis
- Preparation of next generation libraries using an automation system Microlab STAR Liquid Handling System, Hamilton
- Sequencing through next generation sequencing, MiSeq, NextSeq, Illumina
- Digital Droplet PCR
- Preparation and maintenance of cell cultures
- In vitro infection methods
- Application of the Enzyme-Linked Immuno Sorbent Assay-ELISA technique
- PBMC separation by density gradient centrifugation
- Alignment of amino acid and nucleotide sequences and analysis of mutations
- Phylogenetic analysis of nucleotide sequences with Neighbor-Joining methods, Maximum Likelihood and Bayesian methods

PERSONAL SKILLS

NATIVE LANGUAGE

Italian

OTHER LANGUAGE

English

RELATIONAL SKILLS

Empathic and predisposed to human contact.
Good organizational and coordination skills.
Prone to both team and individual work. Able to foster complicity, essential for sharing ideas, in the work team.

WORKING SKILLS

Hard-working and capable of planning and respecting commitments.
Usage: Office package, Windows systems, Android, Windows Portable and internet browser. Good command of software (Cell ^ F, ImageJ) and database of interest (NCBI, UCSC, UniProt, OMIM)

I authorize the processing of personal data contained in my Curriculum Vitae, based on art. 13 of Legislative Decree 196/2003