

Curriculum Vitae – Silvia Ripa

Personal data:

Name and Surname: Silvia Ripa
Date and place of birth: 24/11/1996, Roma (RM), Italy
Citizenship: Italian
Fiscal code: RPISLV96S64H501D
Work address: Laboratory of Molecular Oncology (Department of Molecular Medicine), Viale Regina Elena 291, 00161 Rome, Italy
Phone number: +39-06-49255132
Mail address: silvia.ripa@uniroma1.it

Education:

January 2021: Master degree in Pharmacy and Medicine at La Sapienza University of Rome, Rome (Italy).
Score: 110/110 *cum laude*.
Thesis title: “Il cancro della prostata resistente alla castrazione: interazione tra il recettore per gli androgeni e la via di segnale PI3K/Akt/mTOR ”.
Supervisor: Prof.ssa Ida Silvestri – Dept. of Molecular Medicine, Sapienza University of Rome, Rome (Italy)

Research experience:

November 2021– Present: PhD Student in Molecular Medicine, Dept. of Molecular Medicine, Sapienza University, Rome (Italy).
Tutor: Prof. Gianluca Canettieri.
Field of interest: Targeting redox alterations and sensors in colorectal cancer.

May 2021 – November 2021: Trainee at Dept of Molecular Medicine, Sapienza University of Rome (Italy).
Tutor: Prof. Gianluca Canettieri

August 2019 – January 2021: Trainee at Policlinico Umberto I Dept. of Molecular Medicine, Sapienza University of Rome, Rome (Italy).
Tutor: Prof.ssa Ida Silvestri
Field of interest: interaction between PI3K/Akt/mTOR pathway and prostate cancer

Technical skills and competences:

Cellular biology: cell culture techniques (animal and human cells), DNA and siRNA transfection/transduction, cell treatments, cell viability and proliferation assay, production and use of lentiviral vectors.

Molecular Biology techniques: Plasmidic and genomic DNA extraction, RNA extraction, cloning, DNA mutagenesis, reverse transcription, PCR, quantitative real time PCR, luciferase reporter assays.

Analysis of proteins: Protein extraction and western blot analysis, immunoprecipitation.

Cytofluorometry techniques

Congress participation:

September 2022: Poster presentation ‘Discovery of novel human lactate dehydrogenase inhibitors: Structure-based virtual screening studies and biological assessment’
Molecular pathology: from bench to bedside- SIPMeT Young Scientist Meeting
Ancona (Italy)

Publications:

Laura Di Magno, Antonio Coluccia, Marianna Bufano, **Silvia Ripa**, Giuseppe La Regina, Marianna Nalli, Fiorella Di Pastena, Gianluca Canettieri, Romano Silvestri, Luigi Frati. *Discovery of novel human lactate dehydrogenase inhibitors: Structure-based virtual screening studies and biological assessment*. European Journal of Medicinal Chemistry, 2022, 240