Curriculum Vitae

**ELEONORA PACE**

**Personal**

**informations**

**First Name:** Eleonora

**Last Name:** Pace

**Place of Birth:** Rome, Italy

**Date of Birth:** March 28th 1997

**Nationality:** Italian

**Gender:** Female

**Mail Address:** eleonora.pace@uniroma1.it

**Permanent Address:** Via Lago d’Iseo 7, Guidonia Montecelio (RM), Italy

**Phone Number:** +39 3933863343

**Work experience**

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| (2022-Now) | **Research activity within the Ph.D. degree program in Molecular Medicine**, Sapienza University of Rome, Department of Molecular Medicine   * Study of epigenetic mechanisms governing Notch signaling and evaluation of histone modifiers inhibitors as a Notch activating anticancer approach in different cancer contexts *in vitro* |
| (May 2022-October 2022) | **Fellowship for research activity** for the project “Role of Notch in oncological diseases”, Sapienza University of Rome, Department of Molecular Medicine |

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| (2020-2022) | **Research activity within the Master degree program in Genetics and Molecular Biology,** Sapienza University of Rome, Department of Molecular Medicine   * Investigation of the role of EZH2 in Notch pathway silencing and the importance of this interplay in the maintenance of the tumor population and resistance mechanisms to current anti-cancer treatments in cervical cancer and acute myeloid leukemia *in vitro* |

**Education**

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| (2022-Now) | **PhD Student in Molecular Medicine**, Sapienza University of Rome, Department of Molecular Medicine |
| (2023) | **Qualifying state examination for the Italian Guild of Biologists** (Abilitazione alla professione di Biologo) |
| (2019-2022) | **Master’s degree in Genetics and Molecular Biology**, Sapienza University of Rome  Thesis Title: *L’inibizione di EZH2 ripristina il programma oncosoppressivo di Notch nel cancro della cervice e nella leucemia mieloide acuta* (“*EZH2 inhibition reactivates Notch oncosuppressive program in cervical cancer and acute myeloid leukemia cells”)*  Final Mark: 110/110 cum laude |
| (2016 – 2019) | **Bachelor’s degree in Biological Sciences,** Sapienza University of Rome  Thesis Title: *Infezione da virus dell'epatite C e ruolo dell'interferone lambda* *(“Hepatitis C virus infection and the role of interferon lambda”)*  Final Mark: 110/110 cum laude |
| (2011-2016) | **High school leaving qualification in Linguistic studies,** Liceo statale “Vittoria Colonna” Rome Final Mark: 100/100 |

**Publications**

Zhdanovskaya N., Firrincieli M., Lazzari S., **Pace E.**, Scribani Rossi P., Felli M.P., Talora C., Screpanti I. and Palermo R.

*Targeting Notch to maximize chemotherapeutic benefits: Rationale, advanced strategies, and future perspectives*. Cancers 13, 5106 (2021)

Zhdanovskaya, N.; Lazzari, S.; Caprioglio, D.; Firrincieli, M.; Maioli C.; **Pace E.**; Imperio D.; Talora C.; Bellavia D.; Checquolo S.; Mori M.; Screpanti I.; Minassi A.; Palermo R.

Identification of a novel curcumin derivative influencing Notch pathway and DNA damage as a potential therapeutic agent in T-ALL. Cancers 2022,14(23), 5772

**Languages**

Italian Mother tongue

English B2 written and spoken

Spanish B2 written and spoken (DELE Diploma - Spanish Level B2 Certification, Cervantes Institute (RM))

**Experimental research-related skills**

* + Cell culturing techniques (various cancer cell lines);
  + Transfection of cells (electroporation, lipofection and nucleofection);
  + Extraction of plasmid DNA from bacterial cells and RNA from eukaryotic cells, PCR, RT-PCR, qPCR;
  + Sample preparation for FACS analysis (cell cycle analysis);
  + Cytotoxicity and cell viability assays (MTS, MTT), IC50 determination;
  + Chromatin immunoprecipitation (ChIP) assay and immunoprecipitation (IP) assay;
  + Comet assay;
  + Luciferase reporter assay;
  + SDS/PAGE-electrophoresis and immunoblotting of proteins

**Computers skills**

* good user of Microsoft Office™ tools
* good user of EndNote
* good user of Photoshop

Autorizzo il trattamento dei miei dati personali ai sensi del D.lgs. 196 del 30 giugno 2003.

Data Roma, 27/01/2023 Firma *Eleonora Pace*