

CURRICULUM VITAE – ELISA TAIANA

PERSONAL INFORMATION

Surname / First name: TAIANA Elisa

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Nationality: Italian

Date of birth: 20/06/1987

Gender: Female

EDUCATION AND TRAINING

• April 2017 – onward: 3 years fellowships from AIRC; title of the project: “Functional analysis of deregulated long non-coding RNAs in multiple myeloma”

May 2015 – March 2017: Research fellow at the Laboratory of Oncology and Hemato-Oncology, Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico, Milan. Supervisor: Prof. Antonino Neri

• February 2015 – May 2015: trainee at the Laboratory of Molecular Oncology, Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico, Milan. Supervisor: Prof. Antonino Neri

• September 2011 – December 2014 → PhD in Clinical and Experimental Pharmacology, University of Insubria Busto Arsizio, IT. Final grading: appropriate rating. Thesis title: “Role of the autophagic process in neoplastic human cells cultured at different oxygenation conditions after chemotherapy”; lab: Lab of Antineoplastic Pharmacology, University of Insubria, Busto Arsizio. Supervisor: Prof. Elena Caterina Monti.

• November 2009 - July 2011 → Second Level degree in Biology Applied to Biomedical Research, University of Insubria Busto Arsizio, IT. Final grading: 110/110 cum laude. Thesis title: “Modulation of apoptotic pathways and overcoming of chemoresistance in colorectal cancer cells: the role of hypoxic microenvironment”; lab: Lab of Antineoplastic Pharmacology, University of Insubria, Busto Arsizio. Supervisor: Prof. Elena Caterina Monti.

• October 2006 - October 2009 → First Level degree in Sanitary Biology, University of Insubria, Busto Arsizio, IT. Final grading: 108/110. Thesis title: “Evaluation of the anti-proliferative and pro-apoptotic activity of new derivatives of Platinum (IV)”; lab: Lab of Antineoplastic Pharmacology, University of Insubria, Busto Arsizio. Supervisor: Prof. Marzia Bruna Gariboldi.

TECHNICAL SKILLS AND COMPETENCES

LABORATORY-METHODS ACQUIRED OVER THE YEARS OF EXPERIENCE:

- Cell lines cultures in sterility (cell lines cultured as monolayer, in suspension and as tridimensional structures (spheroids))
- Freezing and thawing of cell lines, transfection through electroporation and lipidic systems
- Fluorescence microscopy
- Cytotoxic assays (MTT, SRB, Crystal Violet assay)
- Flow cytometric analysis of apoptosis, cell cycle and autophagy
- ELISA assay
- Genomic DNA, total RNA and protein extraction, plasmid DNA extraction
- Spectrophotometric evaluation of nucleic acids and proteins
- Electrophoresis and Western blotting of protein samples
- Electrophoresis of DNA and RNA samples

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- Reverse transcription, quantitative RT-PCR (Q-RT-PCR) of various genetic transcripts through TaqMan and SYBR Green chemistry
- RNA FISH
- RNA Binding Protein immunoprecipitation assay (RIP assays)

COMPUTER COMPETENCES

- Good knowledge of Microsoft Windows™ systems;
- Good command of Microsoft Office™ tools, GraphPad Prism™ , Image J™, Adobe Photoshop™, Chromas™, CompuSyn™, StepOne™ software, as well as different browsers (Windows Explorer™, Google Chrome™);
- Good command of PubMed and Medline databases