CURRICULUM VITAE DR. SOFIA GABELLONE, PhD Student

PERSONAL DATA

Place and date of birth: Roma, 12/I/1996; Citizenship: Italian.

Home address: Via delle Grotte n19 –Allumiere, 00051 (RM), Italy

Personal e-mail: sofia.gabellone@irst.emr.it

ORCID: https://orcid.org/0000-0003-1311-3082

Dr. Sofia Gabellone is a PhD student in Green Chemistry and Bionanotechnology and a researcher at the IRCCS IRST since 2022. She is involved in various preclinical, translational, and clinical research projects in oncology, specifically focusing on the green synthesis, characterization, and application of bio-materials in the field of nanotechnology and nanomedicine.

EDUCATION AND TRAINING:

2021-Viterbo, Italy (TO DATE): PhD student in Green Chemistry and Bionanotechnology, University of Tuscia-Tutor: Prof. Raffaele Saladino

2021-Viterbo, Italy: Albo dei Biologi

2021-Viterbo, Italy: Master's degree in industrial biotechnologies for Health and Well-being, 110 cum laude, University of TUSCIA-Tutor: Prof. Raffaele Saladino

2018-Viterbo, Italy: Bachelor's degree in biotechnology University of TUSCIA-Tutor: Prof. Raffaele Saladino

PROFESSIONAL EXPERIENCES:

2022-Meldola, Italy: Dirigente Area Ricerca, Istituto Romagnolo per lo Studio dei Tumori "Dino Amadori" - IRST IRCCS

2021-Viterbo, Italy: AWARD Junior research, University of TUSCIA-Tutor: Prof.Raffaele Saladino

2018-Civitavecchia, Italy: External expert, Istituto Tecnico Chimica Materiali e Biotecnologie, Istituto Istruzione Superiore Luigi Calamatta

TECHNICAL SKILLS:

Pre-clinical research:

- Cell culture (2D & 3D): handling of stabilized cell lines and patient-derived primary cultures, cocultures of different tumor and stroma cell types
- Serum and plasma isolation from whole blood
- Liquid Biopsy- Extracellular Vesicles extraction from serum and plasma and physio-chemical characterization
- In vitro drug-screening and drugs sensitivity analyses
- Bio(nano)materials synthesis, characterization (DLS and Nanosight) and application
- Fluorescence Microscopy
- Spectroscopic methodologies such as Scanning Electron Microscopy (Fe-Sem), and UV and infrared spectroscopies.
- Nuclear-magnetic-resonance (NMR) analysis and interpretation

Computer**:** MSOffice, Outlook, Internet Browsers, Internet databases (PubMed, Blast, Oncomine, KM plot etc.), GraphPad PRISM, Virtual Teams, Zoom meetings.

Languages: Italian (mother tongue), English (B2).

CONFERENCES AND SEMINARS

Participation to the following Conferences as a participant or invited speaker:

- Nanotech France 2022 The 7th ed. of Nanotech France 2022 Intg Conference and Exhibition, Parigi
- Annual Meeting ACC 2023 Genova, 27-29/IX/2023

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