



**Silvia
Sideri**

Nationality: Italian

Gender: Female

CONTACT



Italy (Work)



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EDUCATION AND TRAINING

01/04/2022 – CURRENT – Roma, Italy

post-doctoral fellowship

DAHFMO-Unit of Histology and Medical Embryology La Sapienza, University of Rome

Address Via Antonio Scarpa 16, Roma, Italy

2018 – 2021 – Roma, Italy

PhD in Morphogenesis and Tissue Engineering

Dip. L.240/2010 SAIMLAL, La Sapienza, University of Rome

Address Via Antonio Scarpa 16, Roma, Italy | **Thesis** Radioresistance mechanisms in a clinically relevant model of metastatic castration resistant prostate cancer'

2014 – 2016 – Roma, Italy

Master degree in Medical Biotechnology (class LM-9)

La Sapienza, University of Rome

Address Piazzale Aldo Moro, 5 , Roma, Italy | **Final grade** 110/110 cum laude | **Thesis** Characterization of pathogenic variants in new genes associated with the onset of colorectal carcinoma

2010 – 2014 – Roma RM

Bachelor degree in Biology

Catholic University of the Sacred Heart of Rome

Address Largo Francesco Vito 1, Roma RM | **Final grade** 102/110 | **Thesis** Molecular analysis of POLE and POLD1 genes: two new genes responsible for susceptibility to colorectal carcinoma

PUBLICATIONS

2018-2022

Radioresistance mechanisms in prostate cancer cell lines surviving ultra-hypo-fractionated EBRT: implications and possible clinical applications

Sideri S., Francesco Petragnano F., Maggio R, Petrunaro S. , Catizone A., Gesualdi L., De Martino V., Battafarano G., Del Fattore A., Liguoro D., De Cesaris P., Filippini A., Marampon F., Riccioli A. **Accepted for publication** *Cancers* 2022

CD44v8-10 is a Marker for Malignant Traits and a Potential Driver of Bone Metastasis in a Subpopulation of Prostate Cancer Cells

Fontanella R.A. , **Sideri S.**, Di Stefano C. , Catizone A., Di Agostino S., Angelini D.F. Guerrero G., Battistini L., Battafarano G., Del Fattore A., Campese A.F. , Padula F., De Cesaris P., Filippini A., Riccioli A. *Cancer Biol Med.* 2021 May 20;18(3):788–807. doi: 10.20892/j.issn.2095-3941.2020.0495. Epub ahead of print. PMID: 34018387; PMCID: PMC8330537.

Oleuropein Induces AMPK-Dependent Autophagy in NAFLD Mice, Regardless of the Gender

Sideri S., Porcu C., Martini M., Cocomazzi A., Galli A., Tarantino G., Balsano C. Int J Mol Sci. 2018 Dec 8;19(12):3948. doi: 10.3390/ijms19123948. PMID: 30544824; PMCID: PMC6321282.

Fat and HCC

Balsano C., Porcu C., **Sideri S.**, Tavolaro S. *Hepatoma Res* 2018;4:38. [10.20517/2394-5079.2018.51](https://doi.org/10.20517/2394-5079.2018.51)

Is copper a new target to counteract the progression of chronic diseases?

Balsano C., Porcu C., **Sideri S.** Metallomics. 2018 Dec 12;10(12):1712-1722. doi: 10.1039/c8mt00219c. PMID: 30339169.

HONOURS AND AWARDS

● **Winner of call Avvio alla Ricerca I - 2020 MIUR, Ministry of Education, University and Research**

CONFERENCES AND SEMINARS

● **Poster - Oral Presentation**

Silvia Sideri*, Francesco Marampon, Simonetta Petrunaro, Paola De Cesaris, Antonio Filippini, Anna Riccioli.

"Role of Toll Like Receptors stimulation in the mechanism involved in radioresistance of prostate cancer"

ABCD National Congress, 19-21 September 2019, Bologna, (Italy)

Silvia Sideri, Francesco Petragnano, Roberto Maggio, Simonetta Petrunaro, Angela Catizone, Luisa Gesualdi, Vincenzo Tombolini, Viviana De Martino, Andrea Del Fattore, Paola De Cesaris, Antonio Filippini, Francesco Marampon and Anna Riccioli

"Analysis of radioresistance mechanisms in a clinically relevant model of prostate cancer " **2nd International Conference Cancer metastasis Austria 2021**

Silvia Sideri, Francesco Petragnano, Roberto Maggio, Simonetta Petrunaro, Angela Catizone, Luisa Gesualdi, Viviana De Martino , Giulia Battafarano, Andrea Del Fattore, Paola De Cesaris, Antonio Filippini, Francesco Marampon and Anna Riccioli

"Radioresistance mechanisms in a clinically relevant model of metastatic castration resistant prostate cancer"

Scientific session of Histology and Embryology association 2022 Oral presentation

Samantha Barbonari, Antonella D'Amore, Fioretta Palombi, **Silvia Sideri**, Nicolò Morina, Anna Riccioli, Diletta Di Mitri and Antonio Filippini

"Unravelling the role of TPC2/calcium signaling-dependent autophagy in melanoma microenvironment remodelling"

Italian society of anatomy and histology 2021

Samantha Barbonari, Antonella D'Amore, Fioretta Palombi, **Silvia Sideri**, Nicolò Morina, Anna Riccioli, Diletta Di Mitri and Antonio Filippini

"Dual role of endolysosomal two-pore channel two (tpc2) in malignant traits of melanoma cells"

Italian society of anatomy and histology 2022

ORGANISATIONAL SKILLS

Communication and organisational skills

I am a Postdoctoral fellowship with a strong ability to organize, plan and perform the laboratory experiments. I have good relational skills developed by working in research teams with different professional figures. Good communication and adaptive capacity are my other abilities that let me to work in different situations. My personal laboratory experiences are in biochemistry, cellular and molecular biology.

JOB-RELATED SKILLS

Job-related skills

- Manipulation of human and mouse tissue samples
- Cultures of human and mouse cell lines
- **cell-culture techniques:** Transfection (plasmids, oligos), RNA-interference technique, 2nd and 3rd cultures, migration and invasion assay
- **Histology technique:** Preparation of paraffin embedded samples, microtome sectioning, immunohistochemistry/immunofluorescence on paraffin embedded sections, whole mount.
- **Microscopy:** ability to use light and fluorescence microscopes
- **Biochemistry:** protein extraction from cells and tissue samples, Western Blot analysis, Flow Cytometry.
- **Molecular biology techniques:** DNA cloning, Plasmid DNA Purification (Maxiprep, Midiprep, Miniprep), extraction and quantification of genomic DNA and RNA from cells and tissue samples, RT, PCR, qPCR, Sanger sequencing

LANGUAGE SKILLS

MOTHER TONGUE(S): Italian

OTHER LANGUAGE(S):

english

Listening
B2

Reading
B2

Spoken
production
B1

Spoken
interaction
B1

Writing
B2

DIGITAL SKILLS

My Digital Skills

Microsoft Office / Microsoft Excel / Microsoft Powerpoint / Social Media / Google Drive / GraphPad 8.4.2 / Image J (Laboratory Image Analysis) / Image Lab / Adobe (Adobe Photoshop, Adobe Lightroom, Adobe Premiere, Adobe Bridge, Adobe) / Zeiss Microscope / Applied Biosystems 7500 Real-Time PCR / Reference management software (EndNote, Zotero, BibTeX) / Zeiss Zen Blue

DRIVING LICENCE

Driving Licence: B

Autorizzo il trattamento dei miei dati personali ai sensi del Decreto Legislativo 2003, n.196 Codice in materia di protezione dei dati personali. DICHIARAZIONE SOSTITUTIVA DI CERTIFICAZIONE (art. 46/47 D.P.R. 445/2000) La sottoscritta Silvia Sideri consapevole che le dichiarazioni false comportano l'applicazione delle sanzioni penali previste dall'art. 76 del D.P.R. 445/2000, dichiara che le informazioni riportate nel suddetto curriculum vitae, redatto in formato europeo, corrispondono a verità.

04/11/2022