europass

Silvia Sideri

Nationality: Italian | **Gender:** Female | **Email address:** silviasideri@gmail.com | **Email address:** silvia.sideri@uniroma1.it | **Address:** Italy (Work)

EDUCATION AND TRAINING

01/04/2023 – CURRENT Roma, Italy
POST-DOCTORAL FELLOWSHIP DAHFMO-Unit of Histology and Medical Embryology La Sapienza, University of Rome

Address Via Antonio Scarpa 16, 00161, Roma, Italy

01/04/2022 – 31/03/2023 Roma, Italy
POST-DOCTORAL FELLOWSHIP DAHFMO-Unit of Histology and Medical Embryology La Sapienza, University of Rome

Address Via Antonio Scarpa 16, 00161 , 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, 00161, 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 , 00185, 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, 00168 , Roma RM | **Final grade** 102/110 |

Thesis Molecular analysis of POLE and POLD1 genes: two new genes responsible for susceptibility to colorectal carcinoma

LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	B2	B1	B1	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

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

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, Petrungaro 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 pubblication** *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, Guerrera 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

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.

DRIVING LICENCE

Driving Licence: B

CONFERENCES AND SEMINARS

Poster - Oral Presentation

Caterina Boccia, Laura Forcina, **Silvia Sideri**, Carmine Nicoletti, Flavia Forconi, Emanuele Rizzuto, Antonio Musarò
"Targeting IL-6 signaling to stabilize the dystrophic muscle"
IIM 12-15 ottobre 2023, Assisi (Italy)

Silvia Sideri, Francesco Petragnano, Roberto Maggio, Simonetta Petrungaro, 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 Petrungaro, 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
"Dual role of endolysosomal two-pore channel two (tpc2) in malignant traits of melanoma cells"
Italian society of anatomy and histology 2022

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

Silvia Sideri*, Francesco Marampon, Simonetta Petrungaro, 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)

HONOURS AND AWARDS

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

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