Personal Information

Name: **Simona Camero**
Work address: Laboratory of "Cellular Biotechnology", Department of Experimental Medicine, Sapienza University of Rome, Viale Regina Elena 324, 00161 Rome, Italy. Email: simona.camero@uniroma1.it

Education

12-02-2018 PhD in Human Biology and Medical Genetics (cycle XXX), Sapienza University of Rome, Excellent cum laude "E*xpression levels and role of the de novo DNA methyltransferases in rhabdomyosarcoma".*
25-07-2014 Master's degree with honors in Medical Biotechnology, Sapienza University of Rome "*Analisi dei profili di espressione dei microRNA nel rabdomiosarcoma ed identificazione di possibili nuovi target terapeutici"*
12-01-2012 Bachelor's degree with honors in Biotechnology, Sapienza University of Rome "*Analisi delle interazioni fra proteine coinvolte nel signaling di NOTCH 3"*

Research Experience

Study of the molecular mechanisms involved in solid tumor onset and progression, in particular rhabdomyosarcoma, neuroblastoma, glioblastoma and ovarian cancer. Main lines of research:
- Identification of new genetic/epigenetic targets for the improvement of current therapeutic protocols through the development of new targeted therapies, differentiation therapies and/or chemo-radiosensitizers strategies.
- Understanding the molecular pathways mediating intrinsic and acquired resistance to conventional therapies (chemotherapy, radiotherapy).
- Establishment of 3D spheroids for the study of cancer stem cell properties.

2023 – to date: RTDA at Sapienza University of Rome. **Project**: *Disentangling the adipose-immune-metabolic crosstalk to improve diagnostic and therapeutic interventions in patients with metabolic disorders, autoimmunity and cancer.*
2020 – 2022: Post-doc at Sapienza University of Rome. **Project**: *Identification of new genetic/epigenetic targets with chemo- and radiosensitization action in rhabdomyosarcoma.*
2018 – 2020: Research fellow at Sapienza University of Rome. **Project**: *Molecular mechanisms involved in the development and progression of rhabdomyosarcoma.*

Technical skills and competences: Expertise in cell biology, molecular biology and molecular genetics.

Scientific Society and Award:

- Member of "Società Italiana Organ-on-Chip (SIOoC)"
- Member of "Società Italiana Ricerca Traslazionale e Professioni Sanitarie (S.I.R.T.E.P.S.)"
- Member of "Federazione Nazionale degli Ordini dei Biologi"
- Sapienza University of Rome Starting Grant (2021-2022). **Project:** *Preclinical evaluation of the synergistic activity of PARP inhibitors with chemo-radiotherapy in Wilms tumor*. Protocol n. AR22117A4DED9E75.

Bibliometric Indicators (Scopus):

Documents: 26
Citations: 428
h-index: 12