Simone Vespa
Biologist
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Born in Rome on December 5, 1985

Education and academic career:

Bachelor's degree in Biological Sciences at "Sapienza" University of Rome (October 2011)
Master's degree in Biology and Human Evolution at "Tor Vergata" University of Rome (May 2015)
Postgraduate Course in Cytogenetics and Cytogenomics (January 2016 – January 2017)
Temporary Research Fellow at "G. D'Annunzio" University (May 2017 – April 2020)

Technical skills:

Preparation and analysis of biological samples by Transmission Electron Microscopy: resin embedding (EPON), gelatin embedding, sectioning with ultramicrotome and cryo-ultramicrotome, staining of semi- and ultra-thin sections, negative stain.
Immunofluorescence and cryo-IEM on cultured cells and tissue samples
Cell Culture
Good knowledge of data analysis softwares (ImageJ and GaphPad Prism); Adobe softwares (Photoshop and InDesign); Microsoft Office packs: (Word, Excel and PowerPoint)

Courses:

Advanced Course Correlative Light Electron Microscopy - Utrecht, the Netherlands (23-28 June 2016)

Pubblications:

- Schifano E, Ficociello G, **Vespa S**, Ghosh S, Cipollo JF, Talora C, Lotti LV, Mancini P, Uccelletti D. Pmr-1 gene affects susceptibility of Caenorhabditis elegans to Staphylococcus aureus infection through glycosylation and stress response pathways' alterations. Virulence. 2019 Dec;10(1):1013-1025. doi: 10.1080/21505594.2019.1697118.
- Cirone M, Lotti LV, Granato M, Renzo LD, Biunno I, Cattaneo M, Verginelli F, **Vespa S**, Davies D, Wells V, Mariani-Costantini R, Mallucci L. Sourcing the immune system to induce immunogenic cell death in Kras-colorectal cancer cells. Br. J. Cancer. 2019 Oct;121(9):768-775. doi: 10.1038/s41416-019-0561-z. Epub 2019 Sep 27.
- Lotti LV, **Vespa S**, Pantalone MR, Perconti S, Esposito DL, Visone R, Veronese A, Paties CT, Sanna M, Verginelli F, Nauclér CS, Mariani-Costantini R. A Developmental Perspective on Paragangliar Tumorigenesis. Cancers (Basel). 2019 Feb 26;11(3). pii: E273. doi: 10.3390/cancers11030273.
- Verginelli F, Perconti S, **Vespa S**, Schiavi F, Prasad SC, Lanuti P, Cama A, Tramontana L, Esposito DL, Guarnieri S, Sheu A, Pantalone MR, Florio R, Morgano A, Rossi C, Bologna G, Marchisio M, D'Argenio A, Taschin E, Visone R, Opocher G, Veronese A, Paties CT, Rajasekhar VK, Söderberg-Nauclér C, Sanna M, Lotti LV, Mariani-Costantini R. Paragangliomas arise through an autonomous vasculo-angio-neurogenic program inhibited by imatinib. Acta Neuropathol. 2018 May;135(5):779-798. doi: 10.1007/s00401-017-1799-2. Epub 2018 Jan 5.
- Nicolazzo C, Massimi I, Lotti LV, **Vespa S**, Raimondi C, Pulcinelli FM, Gradilone A, Gazzaniga P. P. Impact of chronic exposure to bevacizumab on EpCAM-based detection of circulating tumor cells. Chin. J. Cancer Res. (2015) Oct;27(5):491-6. doi: 10.3978/j.issn.1000-9604.2015.04.09.

Conference Posters:

Vespa S, Pantalone MR, Aureli AV, Verginelli F, Perconti S, Esposito DL, Valentinuzzi S, Angelini A, De Fabritiis S, Pasanisi S, Vlad D, Paties CT, Söderberg-Naucler C, Sanna M, Mariani-Costantini R, Lotti LV. Ultrastructural and immunomorphological characterization of CMV infection in paragangliomas and derived xenografts. Pathobiology: from molecular disease to clinical application, SIPMeT Young Meeting, 13-14 September 2019.