

curriculum vitae silvia perconti

personal data

Name	Silvia Perconti
Address	Via Famiglia Carota, 9 - 65125 - Pescara (PE), Italy
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Citizenship	Italian
Date of birth	23 - 08 - 1975

pesearch experience

• Period	September 2019 – January 2020
• Position	Postdoctoral researcher, project title: "Development and characterization of paraganglioma cell cultures"
• Name of Institution	CAST, Unity of General Pathology, Department of Medical, Oral and Biotechnological Sciences of the "G. d'Annunzio" University, Chieti.
• Period	October 2016 – June 2019
• Position	Postdoctoral researcher, project title: "The new role of HCMV in Head and neck paraganglioma: functional circuits controlled by host's miRNAs and new therapeutic targets" – funded by AIRC
• Name of Institution	Department of Medical, Oral and Biotechnological Sciences of the "G. d'Annunzio" University, Chieti
• Period	August 2015 - September 2016
• Position	Postdoctoral researcher, project title: "Role of microRNAs in controlling the TP53 pathway"
• Name of Institution	Department of Medical, Oral and Biotechnological Sciences of the "G. d'Annunzio" University, Chieti
• Period	November 2014 - April 2015
• Position	Postdoctoral researcher, project title: "Molecular characterization of cell populations that constitute head and neck paragangliomas, production of primary and continuous cell lines and sensitivity testing in vitro and in vivo to treatment with therapeutic agents"
• Name of Institution	Department of Pharmacy, University G. d'Annunzio, Chieti
• Period	October 2013 - September 2014
• Position	Postdoctoral researcher, project title "Molecular characterization of cell subpopulations that make up the microenvironment of paragangliomas of the head and neck, producing cell lines and in vitro susceptibility testing to treatment with therapeutic agents"
• Name of Institution	Department of Pharmacy, University G. d'Annunzio, Chieti
• Period	June 2013
• Position	Research Assistant at Molecular Pathology laboratories
• Name of Institution	Department of Molecular Pathology Ce.SI, Chieti
• Period	May 2012 - April 2013
• Position	Postdoctoral researcher, project title "Biomolecular mechanisms causing the progression of paragangliomas"

• Name of Institution	Department of Pharmacy, University G. d'Annunzio, Chieti
• Period	November 2011 - January 2012
• Position	Research assistant in the collaborative project "Orthogonal analysis by quantitative Real-Time PCR of genes identified as affected by CNV or cDNA array in skull base paragangliomas" – funded by AIRC
• Name of Institution	Foundation of University G. d'Annunzio, Chieti".
• Period	September 2010 - August 2011
• Position	Postdoctoral researcher in the project entitled " <i>In vitro</i> cancerogenic activity of artificial fibers of asbestos"
• Name of Institution	University G. d'Annunzio, Chieti.
• Period	2005 - 2006
• Position	PhD student (grant from Abruzzo Region, POR-Abruzzo 2004)
• Name of Institution	University G. d'Annunzio, Chieti.
• Period	2008 - 2014.
• Position	Postgraduate Specialization School in Medical Genetics, University G. d'Annunzio, Chieti.
• Name of Institution	University G. d'Annunzio, Chieti.
• Period	2004 - 2008
• Position	PhD student in Biotechnology at Faculty of Medicine
• Name of Institution	University of L'Aquila with research activities by Ce.SI. laboratories, Chieti (Italy).
• Period	2004 - today
• Position	Research activities at the operating unit of Molecular Pathology and Genomics of Ce.SI.
• Name of Institution	Operating unit of Molecular Pathology and Genomics of Ce.SI.
• Period	2001 - 2004
• Position	Bachelor research thesis
• Name of Institution	Department of Basic and Applied Biology, University of L'Aquila.

education

• Attainment date	2014 (A.Y. 2012-2013)
• Name and type of education or training institution	University d'Annunzio of Chieti
• Qualification achieved	Specialized in Medical Genetics (cum laude)
• Thesis title	Development and genetic-molecular characterization of cellular models for the study of the skull base paraganglioma. (Experimental thesis).
• Level in national classification	Summa cum laude.
• Attainment date	2008
• Name and type of education or training institution	Faculty of Medicine, University of L'Aquila.
• Qualification achieved	PhD in Biotechnology, Faculty of Medicine,
• Thesis title	Gene expression profiles in fibroblasts BALB3T3 exposed to cobalt micro-particles, nano-particles and ions". (Experimental thesis).
• Level in national classification	Excellent

• Attainment date	2004
• Name and type of education or training institution	University of L'Aquila.
• Qualification achieved	Achievement of the Biologist professional licence.
• Attainment date	2004
• Name and type of education or training institution	University of L'Aquila, Faculty of Science.
• Qualification achieved	Graduated in Biological Sciences (cum laude), University of L'Aquila.
• Thesis title	"Cyto and Genotoxic effects of leaf isoforms of the RIP (Ribosom Inactivating Protein) Saporine on human cancer cells". (Experimental thesis).
• Level in national classification	Summa cum laude.
• Attainment date	1994
• Name and type of education or training institution	Scientific high school "Enrico Fermi", Sulmona (AQ, Italy).
• Qualification achieved	Diploma.
• Level in national classification	50 out of 60.

personal skills and competences

Mother language	Italian
Other language	English
• Reading skills	Good
• Writing skills	Good
• Oral expression skills	Good
Other language	French
• Reading skills	Good
• Writing skills	Elementary
• Oral expression skills	Elementary

organizational and social capabilities

In these years spent in laboratory, I have faced every day of work with strong motivation, deep enthusiasm and unceasing curiosity, even in the most difficult moments. I have always worked in a group, sharing spaces and equipment with all the colleagues of the Institute. I easily related to people of other nationalities, often belonging to my own work group.

I am always willing to help colleagues and to propose simple and alternative solutions to the arising problems. I have always contributed with my ideas to continue the research, without underestimating the advice of colleagues and boss.

I trained several students guiding them in organizing their experimental thesis work. I interacted with suppliers for the choice of materials needed for my projects and for negotiating prices.

technical skills

Cell and bacterial cultures; bacterial transformation; isolation and culture of primary cells; experimental design and validation of primary and continuous cell culture protocols; separation of cell populations by immunomagnetic systems (MACS) from cord blood; generation and maintenance of neurospheres in culture; cell viability assays and dose-response curve construction; micronucleus test; clonogenic test; apoptotic and senescence tests; vasculogenesis test; migration and invasion tests; preparation of FACS analysis on cells; preparation of samples for analysis in electron and confocal

	microscopy; acquisition and elaboration of images in confocal microscopy on live, fixed and <i>ex vivo</i> tissues; immortalization of cells by viral infection; gene transfection; gene silencing; luciferase assays; karyotyping by G-banding; qualitative and quantitative extraction and analysis of DNA, RNA and proteins; retrotranscription of RNA to cDNA; PCR and Real-Time PCR; microRNA extraction; miRNA expression analysis via Real-Time PCR; gene sequencing; expertise in the design and implementation of <i>in vivo</i> experiments; contribution in the drafting of both national and international projects.
computer skills and competences	Knowledge of Mac OSX and Windows operating systems, of the main applications of the Office package (Word, Excel, PowerPoint), Internet browsing (HTTP, FTP and e-mail). Use of software Ingenuity Pathway Analysis, ImageJ, GraphPad Prism, ZEN 2.3.

artistic skills	Good artistic skills, especially in graphic arts. Fair musical skills (piano). Good skills in the art of photography. Passion for literature and dance.
driving license	B type

PUBLICATIONS	Lotti LV, Vespa S, Pantalone MR, Perconti S, Esposito DL7, Visone R, Veronese A, Paties CT, Sanna M, Verginelli F, Nauc��r CS, Mariani-Costantini R. A Developmental Perspective on Paragangliar Tumorigenesis. <i>Cancers</i> (Basel). 2019 Feb 26;11(3). pii: E273. doi: 10.3390/cancers11030273. Florio R, De Lellis L, Veschi S, Verginelli F, di Giacomo V, Gallorini M, Perconti S, Sanna M, Mariani-Costantini R, Natale A, Arduini A, Amoroso R, Cataldi A, Cama A. Effects of dichloroacetate as single agent or in combination with GW6471 and metformin in paraganglioma cells. <i>Sci Rep</i>. 2018 Sep 11;8(1):13610. doi: 10.1038/s41598-018-31797-5. Verginelli F*, Perconti S*, Vespa S, Schiavi F, Prasat 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, S��derberg-Nauc��r C, Sanna M, Lotti LV, Mariani-Costantini R. Paragangliomas arise through an autonomous vasculo-angio-neurogenic program inhibited by imatinib. <i>Acta Neuropathol</i>. 2018 Jan 5. doi: 10.1007/s00401-017-1799-2. [Epub ahead of print] PubMed PMID: 29305721. *Equal contribution. Ammazzalorso A, De Lellis L, Florio R, Bruno I, De Filippis B, Fantacuzzi M, Giampietro L, Maccallini C, Perconti S, Verginelli F, Cama A, Amoroso R. Cytotoxic effect of a family of peroxisome proliferator-activated receptor antagonists in colorectal and pancreatic cancer cell lines. <i>Chem Biol Drug Des</i>. 2017 Nov;90(5):1029-1035. doi: 10.1111/cbdd.13026. Epub 2017 Jul 19. PubMed PMID: 28544586. Cama A, Verginelli F, Lotti LV, Napolitano F, Morgano A, D'Orazio A, Vacca M, Perconti S, Pepe F, Romani F, Vitullo F, di Lella F, Visone R, Mannelli M, Neumann HP, Raiconi G, Paties C, Moschetta A, Tagliaferri R, Veronese A, Sanna M, Mariani-Costantini R. Integrative genetic, epigenetic and pathological analysis of paraganglioma reveals complex dysregulation of NOTCH signaling. <i>Acta Neuropathol</i>. 2013 Oct;126(4):575-94. doi: 10.1007/s00401-013-1165-y. Epub 2013 Aug 18. Perconti S, Aceto GM, Verginelli F, Napolitano F, Petrarca C, Bernardini G, Raiconi G, Tagliaferri R, Sabbioni E, Di Gioacchino M, Mariani-Costantini R. Distinctive gene expression profiles in Balb/3T3 cells exposed to low dose cobalt nanoparticles, microparticles and ions: potential nanotoxicological relevance. <i>J Biol Regul Homeost Agents</i>. 2013 Apr-Jun;27(2):443-54. PMID: 23830394. Sabbioni E, Fortaner S, Farina M, Del Torchio R, Olivato I, Petrarca C, Bernardini G, Mariani-Costantini R, Perconti S, Di Giampaolo L, Gornati R, Di Gioacchino M. Cytotoxicity and morphological transforming potential of cobalt nanoparticles, microparticles and ions in Balb/3T3 mouse fibroblasts: an <i>in vitro</i> model. <i>Nanotoxicology</i>. 2014 Jun;8(4):455-64. doi: 10.3109/17435390.2013.796538. Epub 2013 May 15. Sabbioni E, Fortaner S, Farina M, Del Torchio R, Petrarca C, Bernardini G, Mariani-Costantini R, Perconti S, Di Giampaolo L, Gornati R, Di Gioacchino M. Interaction with culture medium components, cellular uptake and intracellular distribution of cobalt nanoparticles, microparticles and ions in Balb/3T3 mouse fibroblasts. <i>Nanotoxicology</i>. 2014 Feb;8(1):88-99. doi: 10.3109/17435390.2012.752051. Epub 2012 Dec 21. PMID: 23167736. Reale M, Vianale G, Lotti LV, Mariani-Costantini R, Perconti S, Cristaudo A, Leopold K,
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	Antonucci A, Di Giampaolo L, Iavicoli I, Di Gioacchino M, Boscolo P. Effects of palladium nanoparticles on the cytokine release from peripheral blood mononuclear cells of palladium-sensitized women. J Occup Environ Med. 2011 Sep;53(9):1054-60. doi: 10.1097/JOM.0b013e318228115e.
WORKS PRESENTED AT NATIONAL AND INTERNATIONAL CONGRESSES	Mariani-Costantini R, Perconti S, Verginelli F, Vespa S, Pantalone MR, Schiavi F, Valentinuzzi S, Napolitano F, Vlad D, Vacca M, De Fabritiis S, Raiconi G, Tagliaferri R, Lanuti P, Cama A, Esposito DL, Guarnieri S, Sheu A, Florio R, Morgano A, Rossi C, Bologna G, Marchisio M, Taschin E, Visone R, Veronese A, Opocher G, Zangrandi A, Paties CT, Sanna M, Söderberg Naucér C, Lotti LV. A developmental model of paragangliar tumorigenesis highlights therapeutic targets. Scientific meeting 17th ENS@T, 22-23 November 2018, Florence. D. L. Esposito, F. Verginelli, M.R. Pantalone, M. Failli, F. Schiavi, S. Perconti, S. Valentinuzzi, M. Vacca, F. Napolitano, S. Vespa, G.M. Aceto, C. Moscatello, R. Lattanzio, A. Zangardi, A. Rahbar, D. Vlad, C.T. Paties, M. Sanna, G. Opocher, L.V. Lotti, C. Söderberg Naucér, R. Mariani-Costantini. Molecular expression profiling shows pseudohypoxia phenotype, vasculogenesis and mitochondrial dysfunction in head and neck paragangliomas. Scientific meeting 17th ENS@T, 22-23 November 2018, Florence. D. L. Esposito, M. Vacca, F. Verginelli, F. Napolitano, S. Valentinuzzi, G. Aceto, C. Moscatello, R. Lattanzio, M. R. Pantalone, S. Perconti, S. Vespa, F. Schiavi, M. Sanna, C. Söderberg Naucér, L. V. Lotti, R. Mariani-Costantini. Molecular expression profiling shows overlapping pseudohypoxia phenotype and mitochondrial dysfunction in head and neck paragangliomas. Mechanisms to Therapies, Innovations in Cancer Metabolism, 09 - 11 October 2018 Bilbao, Spain. F. Verginelli, D.L. Esposito, M.R. Pantalone, S. Perconti, S. Vespa, F. Schiavi, S. Soliman, S. De Fabritiis, V. Tarantini, S. Valentinuzzi, M. Di Marco, A. Ramassone, R. Florio, L. De Lellis, A. Sheu, M. Serluca, A. Cama, S.C. Prasad, A. Veronese, R. Visone, C. Paties, C. Söderberg-Naucér, L.V. Lotti, M. Sanna and R. Mariani-Costantini. A possible role of a cmv-like virus in head and neck paraganglioma pathogenesis. Journal Of Biological Regulators & Homeostatic Agents Vol. 32, no. 4 (S1), 137 (2018) July-August, 2018 D. L. Esposito, F. Verginelli, M. R. Pantalone, S. Perconti, V. Tarantini, S. Valentinuzzi, A. Ramassone, S. De Fabritiis, S. Vespa, A. Veronese, M. Sanna, R. Visone, C. Söderberg Naucér, L. V. Lotti, R. Mariani-Costantini. Hsa-miR-200 and hsa-miR34 miRNA family members target cellular and viral genes regulating HCMV infection in head and neck paraganglioma. Cancer And Metabolism Conference, 25-27 Jun 2018, Fitzwilliam College University of Cambridge, Cambridge, UK. M.R. Pantalone, S. Vespa, F. Verginelli, S. Perconti, D.L. Esposito, R. Florio, A. Cama, L. Tramontana, A. Sheu, M. Serluca, M. Marchisio, P. Lanuti, R. Afsar, S. Chandra Prasat, R. Visone, C.T. Paties, M. Sanna, C. Söderberg Naucér, L.V. Lotti, R. Mariani-Costantini. A CMV-like virus is implicated in head and neck paraganglioma, a highly vascular tumor of the autonomic nervous system. 6th International Congenital CMV Conference / 16th International CMV/betaherpesvirus Workshop - CMV 2017, 30 April – 4 May 2017, NH Leeuwenhorst, Noordwijkerhout, Netherlands DL Esposito, F Verginelli, S Perconti, R Visone, A Veronese, A D'Argenio, A Morgano, ML Liberatoscioli, F Schiavi, G Opocher, A Cama, R Florio, M Romagnoli, J Di Monte, CT Paties, M Sanna, S Martino, LV Lotti, R Mariani-Costantini (2015). PDGFRα is controlled by miRNAs in head and neck paraganglioma cells: <i>in vitro</i> and <i>in vivo</i> treatment with imatinib mesylate. In: Cancer and Metabolism conference. Cambridge, September 28 - 30, 2015. Perconti S, Aceto GM, Napolitano F, Sabbioni E, Verginelli F, Bernardini G, Raiconi G, Tagliaferri R, Di Gioacchino M, Mariani Costantini R (2010). Gene expression signatures in BALB3T3 fibroblasts exposed to ionic versus ultrafine particulate cobalt. In: 4th Congress of the International Society of Nutrigenetics/Nutrigenomics (ISNN). Pamplona (Navarra), Spain, November 18 - 20, 2010. G. Aceto, S. Perconti, F. Verginelli, J. Ponti, E. Sabbioni, S. Martinotti, E. Toniato, M. Di Gioacchino, R. Mariani-Costantini (2008). Gene expression signatures in BALB3T3 fibroblasts exposed to cobalt micro/nano-particles and cobalt ions. In: International Congress on Environment, immune-mediated disease and cancer. Khartoum, Sudan, 28 March – 2 April 2008. G. Aceto, S. Perconti, F. Verginelli, J. Ponti, E. Sabbioni, E. Toniato, M. Di Gioacchino, R. Mariani-Costantini (2008). Gene expression signatures in BALB3T3 fibroblasts exposed to cobalt micro/nano-particles and cobalt ions. In: 20th Meeting of the European Association

	for Cancer Research. Lyon, France, 5-8 luglio 2008. Flati V, Allegrini A, Cipollone F, Tavella Scaringi A, Mezzetti A, Faricelli R, Chen XP, Brown T, Rothman P, Olivieri MP, Ursi S, Perconti S, Martinotti S and Toniato EM (2006). Regulation of Stability and Fate of TRIM8/SOCS-1 Complexes by Serine/Threonine Kinase Activity. In: International Cytokine Conference, Proceedings of the 6th International Cytokine Conference, Schwarzmeier, Josef, ed. Wien: Medimond. Flati V, Allegrini A, Cipollone F, Mezzetti M, Cilenti L, Faricelli R, Ursi S, Tavella A, Vitullo G, Perconti S, Chen Xp, Rothman P, Olivieri Mp, Martinotti S, Toniato E (2005). Regulation of stability and fate of the Trim8/SOCS-1 complexes by Serine/Threonine kinase activity. In: Annual meeting of International Society for Interferon and Cytochine Research. Shangay, October 20 to 24, 2005. Poma A, Perconti S, Limongi T, Tucci A, Pittaluga E, Spanò L (2004). Leaf isoforms of saporin: in vitro evaluation of cytotoxic, apoptotic and nuclear damages induced on neuroblastoma NB-100 cells. In: Atti 6° Convegno FISV. Riva del Garda, September 30 to october 3, 2004. Pittaluga E, Perconti S, Tucci A, Poma A, Spanò L (2003). Molecular cloning, cellular targeting and substrate interaction of different forms of saporin, a type 1 RIP from Saponaria Officinalis. In: Atti Convegno internazionale "From the green revolution to the gene revolution". Bologna, 28-31 maggio.
PERSONAL DATA	In compliance with the GDPR and the Italian Legislative Decree no. 196 dated 30/06/2003, I hereby authorize you to use and process my personal details contained in this document.