PERSONAL INFORMATION

Family name, First name: **Simeone, Pasquale**
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EDUCATION AND QUALIFICATIONS

2010-2013   PhD Basic and Applied Medical Sciences (*curriculum* Biotechnological Sciences).
              University G. d'Annunzio Chieti-Pescara, Chieti, Italy.

2009   1st Level Master's degree in "Molecular pathology and oncological biotechnology"
              University of Ferrara, Ferrara, Italy. Final mark:30/30.

2007   Qualification as a Professional Biologist
              University of Salento (Lecce)

2005-2007   Master's degree in Human Biology. Final Mark:110/110 (*magna cum laude*).
              University of Salento (Lecce)

2000-2005   Bachelor's degree in Biological Sciences (*curriculum* cellular and molecular biology).
              Final Mark:110/110
              University of Salento (Lecce)

EMPLOYMENT

CURRENT POSITION

Nov 2018 –   **Post-doc fellow** (Assegno di ricerca)
              University G. d'Annunzio Chieti-Pescara, Chieti, Italy.
              Department of Medicine and Aging Sciences
              Project title "Research and development of innovative cytometric methods in experimental clinical setting". Principal Investigator: Prof. Marco Marchisio.

PREVIOUS POSITION

2014 – 2018   **Post-doc fellow** (Assegno di ricerca)
              University G. d'Annunzio Chieti-Pescara, Chieti, Italy.
              Department of Medicine and Aging Sciences
              Project title "Immunophenotype characterization of endothelial circulating cells from peripheral blood by standardized cytometric evaluation".
              Principal Investigator: Prof. Sebastiano Miscia.

2013-2014   **Cancer Research Scientist**
              Oncoxx Biotech S.r.l.
              Production and evaluation of Trop-2 chimeric and humanized monoclonal antibody *in vitro* and *in vivo* model.

2010   **Visiting PhD student**
              The Institute of Sciences of Food Production (ISPA) of the Italian National Research Council (CNR). Lecce, Italy.

2010-2013   **PhD fellow**
              University G. d'Annunzio Chieti-Pescara, Chieti, Italy.
              Unit of Cancer Pathology - Ce.S.I. (Centre of Excellence on Aging), "Università Gabriele d'Annunzio" Foundation, Chieti.

2008-2009   **Young Cancer Research Scientist**
              F.lli De Cecco di Filippo Fara San Martino S.p.a
              Research and development of agri-food technologies for the prevention of diseases related to aging, arteriosclerosis, diabetes and cancer.

FELLOWSHIPS

| 2009 | Scholarship to attend 1st Level Master's degree in "Molecular pathology and oncological biotechnology" University of Ferrara, Ferrara, Italy. Call "Ritorno al Futuro" from Puglia Region, Italy. |
| 2010 | Travel fellow. Call "Assegni regionali trimestrali in Italia per attività di ricerca e alta formazione" from Abruzzo Region, Italy |

HONORS AND AWARDS

| 2016 | The paper entitled "Endothelial progenitor cells, defined by the simultaneous surface expression of VEGFR2 and CD133, are not detectable in healthy peripheral and cord blood", Lanuti P. et al., published on the "Cytometry A" Journal (89(3):259-70. doi: 10.1002/cyto.a.22730, 2016), has been designed as an "Editor's Choice" (https://onlinelibrary.wiley.com/doi/full/10.1002/cyto.a.22730). |

SCOPUS PARAMETERS:

H-index (March 2020): 12
Citations (March 2020): 469

PATENTS:

"Metodo per identificare ed analizzare microvescicole in un campione di fluido biologico". Italian patent number n. 102018000003981

"Method for identifying and analyzing microvesicles in a biological fluid sample". European patent application number EP19164567.0

SCIENTIFIC ACHIEVEMENTS

Proteomic profile definition of tumour samples and tumour cell lines. Analysis and definition of signalling pathways involved in tumour development and metastatization. Study and definition of the changes at gene, protein and metabolic level underlying the epithelial-mesenchymal transition in cancer cells. Definition of molecular basis of the antitumoral activity of phytochemical agents (Resveratrol, Curcumin, Carnosol etc.). Optimization and standardization of polychromatic flow cytometry methods for the study of rare events (i.e. circulating endothelial cells) and for the identification, characterization and separation, by fluorescence activated cell sorting, of circulating extracellular vesicles in different clinical settings.

Chieti, March 2020