

Personal data

Name: Valentina Guercio

Education

2009 – 2013	Università degli Studi di Siena – Siena, Italy PhD in Oncology, Genetics and Clinical Medicine
2001 – 2007	Degree (<i>laurea magistralis</i>) in Chemistry and Pharmaceutical Technology (score: 110/110 <i>cum laude</i>). Università degli Studi della Calabria, Cosenza, Italy.

Research experience

March 2014– February 2015	Research Fellow at the Department of Clinical Science and Community, Unit of Medical Statistics and Biometry -University of Milan-Milan, Italy
Main activity:	Epidemiology of cancer and other chronic conditions, by conducting observational studies and performing systematic reviews and meta-analyses on various expositions and risk of cancer at various sites.. I participate to the European project ‘Human adverse health effects of endocrine active substances: assessment of the quality of individual epidemiological studies and of the overall mechanistic and epidemiologic evidence’, supported by CEFIC-LRI (LRI-EMSG58). Within this project, my activities are: literature search, paper retrieval, data extraction, dataset construction, quality evaluation of the literature and collaboration with toxicologists. I also work for the project ‘Advancing the aetiology of soft tissue sarcoma: risk factors in an epidemiological interdisciplinary study’, supported by a grant for AIRC (MFAG2013) for data collection and meta-analysis performing. I am actually particularly involved in meta-analyses on chemical exposures and risk of sarcomas.
April 2013- February 2014	PhD Experience at Department of Epidemiology, Istituto di Ricerche Farmacologiche “Mario Negri”– Milan, Italy
Main activity:	Epidemiology of cancer and other chronic conditions, by conducting of observational studies and performing of systematic reviews and meta-analyses of different types of tumors.
November 2012-March 2013	Multimedica Group, Milano Research laboratory Visiting student
Main activity:	I have worked with different tumor cell lines to identify molecular target and to test anticancer effect of drugs, such as metformin. I have also used the Flow Cytometry (FACS).
January 2012- September 2013	Hospital ‘L.Sacco’-University of Milan FarmacoVigilance Project on Adverse Drug Reactions in elderly.

Main activity	Fellow for the Geriatric Institute 'Pio Albergo Trivulzio'
November 2011-February 2012	National Institute of Molecular Genetics- Milano PhD Experience
Main activity:	Identification and characterization of new haematopoietic stem cell markers by: <ul style="list-style-type: none"> • Prediction of all human genes with unknown function and possible expression on the cell surface, with the support of bioinformatics • Cloning and expression of the genes in bacteria • Purification of the proteins and obtainment of specific antisera.
Oct 2010-July 2011 Main activity	Geriatric Institute, Pio Albergo Trivulzio, Milan Observational studies on elderly patients
September 2009- September 2010	University of Milano-Bicocca, Department of environmental science PhD experience
Main activity:	I participated at Prolife-Project, Grant Cariplo. The aim of the project has been to assess the association between health effects of air pollution, by observational and experimental studies. Among health effects, we considered respiratory diseases, altered sperm quality and autoimmune diseases such as Rheumatoid Arthritis. In particular, I collected (PM 10, 2.5 e 0.1) in different areas of Milan and in different seasons, by a low volume gravimetric sampler. I characterized the chemical composition of PMs by ultrasonic techniques and chromatography.
Sept 2009- Feb 2010	Hospital Niguarda Ca' Granda, Milan PhD experience
Main activity:	For Prolife-Project, Grant Cariplo, to investigate whether the environmental pollution is capable of altering thiol redox status, I also measured the concentration of thiol – cysteine (Cys), cysteinylglycine (CG), homocysteine (Hcy) and glutathione (GSH), in populations exposed to environmental pollution, by HPLC analysis.

Technical skills and competences

Scientific research by electronic databases: PubMed/MEDLINE, EMBASE, CancerLit, LILACS, ATSDR, IRIS, TOXNET.

- Office software: Microsoft Office, Open Office.
- Statistical packages: STATA.
- Use of techniques: Thin Layer Chromatography (TLC), column Chromatography, high performance liquid chromatography-mass spectrometry (HPLC), Gas-Chromatography (GC), H-Nuclear Magnetic Resonance (H-NM), C-Nuclear Magnetic Resonance (C-NMR), Flow Cytometry (FACS)
- Laboratory techniques in organic and environmental chemistry
- Management of cell lines
- Language: Italian (first language), English

International conference

I have attended at the European Aerosol Conference (EAC 2011) (4 September –9 September 2011, Manchester, UK). I presented 11 reports, 2 selected for oral presentation, evaluating the association between air pollution and health effects.

I have also presented several works at national and international conferences on environmental exposure and health effects.

Publications:

Turati F, Pelucchi C, **Guercio V**, La Vecchia C, Galeone C. Allium vegetable intake and gastric cancer: a case-control study and meta-analysis. *Mol Nutr Food Res*. 2015 Jan;59(1):171-9

Turati F, **Guercio V**, Pelucchi C, La Vecchia C, Galeone C. Colorectal cancer and adenomatous polyps in relation to allium vegetables intake: a meta-analysis of observational studies. *Mol Nutr Food Res*. 2014 Sep;58(9):1907-14

Guercio V, Galeone C, Turati F, La Vecchia C. Gastric cancer and allium vegetable intake: a critical review of the experimental and epidemiologic evidence. *Nutr Cancer*. 2014;66(5):757-73

Cetta F, Benoni S, Zangari R, **Guercio V**, Monti M. Epidemiology, public health, and false-positive results: the role of the clinicians and pathologists. *Environ Health Perspect*. 2010 Jun;118(6):A240

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Valeria Fusi