



Alberto Izzotti

Full professor

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Education and training

1987

MD Medicine and Surgery

110/110 e lode

University of Genoa Italy - Genoa - IT

1991

MD Specialist in Hygiene and Preventive Medicine

50/50

University of Genoa Italy - Genova - IT

1996

PhD in Environmental and Food Toxicology

University of Camerino Italy - Camerino - IT

2015

Master in Management for Executives of Complex Structures of the National Health System

University of Genoa Italy - Genova - IT

Academic experience

1996 - 1999

Assistant Professor Fellow Department of Health Sciences Faculty of Medicine

University of Genoa Italy - Genoa - IT

2000 - 2005

Associate Professor Department of Health Sciences Faculty of Medicine

University of Genoa Italy - Genova - IT

2006 - ONGOING

Full Professor Department of Health Sciences Faculty of Medicine

University of Genoa Italy - Genova - IT

2014 - ONGOING

Director UOC Mutagenesis

IRCSS AOU San Martino IST Genoa Italy - Genova - IT

2015 - ONGOING

Editor In Chief of the international scientific journal

MicroRNA

Ed Bentham Science USA

2019 - ONGOING

Director PhD School in Health Sciences

University of Genoa - Genoa - IT

Language skills

Italian

Mother tongue

English

Proficient

Research interests

In particular, I managed research project devoted to: (a) develop drugs for cancer prevention; (a) develop in preclinical models molecular tools applicable in clinic; (b) shed light on cancer ethio-pathogenesis; (d) evaluate intermediate molecular biomarkers in clinical trials. Since the beginning of my research activity in 1987 I have been investigating the role of oxidative stress and antioxidants in cancer ethio-pathogenesis and prevention. During the last ten years I was mainly involved in personalized medicine and postgenomic analyses using microarray for evaluating the expression of genes and proteins. Since 2008 my research activity is devoted to the study of microRNA, cancer chemopreventive agents and gene transfer methods. My main filed of interest is the application of molecular analyses to cancer prevention with particular reference to genomic and postgenomic analyses as applied to evaluate safety and efficacy of cancer chemopreventive agents.

I have successfully administered research projects at international and national level, collaborated with other researchers worldwide, and produced a variety of peer-reviewed publications

Grants

2006 - 2010

Analysis of genotoxic impact in military units

Italian Ministry of Defence

300.000 - Participant

2008 - 2009

Antioxidant activity of commonly used anti-glaucoma drugs

US Merck Sharp Dhome - US

38.000 - Pricipal investigator

2008 - 2010

Transferability from research to clinic of platforms for genomic analyses

Italian Ministry for Research - IT

28.000 - Pricipal investigator

2009 - 2011

Development of preventive and therapeutic strategies for Aicardi-Goutières Syndrome

International Aicardi-Goutières Syndrome Association - IT

98.000 - Pricipal investigator

2009 - 2010

Analysis of mitochondrion involvement in the pathogenesis of Primary Open Angle Glaucoma

US Glaucoma Foundation - US

74.000 - Participant

2010 - 2012

Pharmacologic and genetic prevention of lung cancer

Italian Association for Cancer Research - IT

370.000 - Participant

2011 - 2013

Chemoprevention of tumors induced by mainstream cigarette smoke in mice and determination of microRNA changes during the cancer process

US NCI - US

500.000 - Pricipal investigator

2012 - 2013

Ex-vivo analysis of genomic and post-genomic effects of anti-glaucoma drugs preservatives in trabecular meshwork

US Merck Sharp Dhome - US

50.000 - Pricipal investigator

2015 - 2016

Modulation of Microrna expression in blood or other biological fluids compared with tissue levels in mice exposed to cigarette smoke and/or treated with NSAIDS (NonSteroidal AntiInflammatory DrugS)

US NCI - US

498.000 - Pricipal investigator

2015 - 2017

Evaluation of the relationship between environmental pollution and cancer by microRNA analysis

Cancer Registry of Eastern Sicily - IT
100.000 - Pricipal investigator

2015

Evaluation of health effects of emissions form a waste depuration plant

ULSS19 Adria Veneto - IT
8.500 - Participant

2016

Analysis of microRNA role in resistance to cancer chemotherapy

Italian Ministry of Health - IT
14.000 - Pricipal investigator

2018 - 2019

Epidemiological surveillance of cancer in military units

Italian Ministry of Defense - IT
48.000 - Participant

2018 - ONGOING

Prevention of lung cancer by microRNA

Italian Association for Cancer Research - IT
375.000 - Pricipal investigator

Editorial activity

I am author of 215 scientific papers published in international peer reviewed journals accounting for a total **impact factor of 772, total citations 9,565, and a H index of 54.**