

# CURRICULUM VITAE



**TITLE AND NAME** Dr. Gabriele Aquilina

**NATIONALITY** Italian

## EDUCATION

1981, Degree in Biology, University of Rome “La Sapienza”, *cum laude*.

1985, Specialization in Microbiology, University of Rome “La Sapienza”, *cum laude*.

## WORK EXPERIENCE

Period	Institute	Position
2007 – present	Istituto Superiore di Sanità (ISS) (Italian National Institute of Health)	Senior scientist
1986 – 2006	ISS	Researcher
1981 - 1986	ISS	Scholarship and Grant Holder

**CURRENT AFFILIATION** Istituto Superiore di Sanità (National Centre for Chemicals, Cosmetics and Consumer protection) - Viale Regina Elena, 299 - 00161 Rome - ITALY  
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## BRIEF BIOGRAPHY

**1981 – 1987.** Analysis of the mutagenic activity of chemicals associated with environmental and/or professional exposure in bacterial (bacterial reverse mutation assay in *Salmonella typhimurium* and *Escherichia coli*) and mammalian systems (HPRT assay in V79 Chinese hamster cells).

**1988 – 1992.** Study of the mechanisms of DNA damage produced by methylating agents and its processing in mammalian cells. In 1991, visiting scientist in the Imperial Cancer Research Fund, Clare Hall Laboratories, UK, in the laboratory of Dr. Mark Meuth, Within the project, "Molecular bases of resistance to alkylating agents" (agreement CNR / British Royal Society).

**1993 – 2001.** Study of the DNA Mismatch Repair (MMR) system and its role in the processing of exogenous DNA lesions produced by genotoxic agents, relevant as environmental contaminants or used in cancer chemotherapy, e.g. methylating agents and crosslinkers. In 1995, visiting scientist in the laboratory of Dr. Malgorzata Zdzieniecka (Department of Radiation Genetics and Chemical Mutagenesis, Leiden University, NL), in the frame of the European program "DNA Repair Network". 21 international publications.

**2002 – 2008.** Analysis of the role played by MMR system in the modulation of the genotoxicity of oxidative agents and of the contribution of oxidative DNA damage to genetic instability. Development of a new assay, based on cultured human cell, aimed to evaluate the pathologic effects of alterations in the MMR gene MLH1. Nominated member of the Advisory Committee on Biocides of the Italian Ministry of Health.

**2009 – 2012.** Appointed as member of the Expert panel FEEDAP (Additives and Products or Substances used in Animal Feed) of the European Food Safety Authority (EFSA) for the period 2009-2012. Participation in a research project on the interaction between the trans-lesion synthesis DNA polymerase Pol Kappa and MMR system in the modulation of cytotoxicity and genotoxicity of O6-methylguanine.

**2012 -2014.** Appointed as member of the Expert panel FEEDAP of EFSA for the period 2012-2015. Member of the Operative Unit 2 ("Citotoxicity, oxidative stress and DNA damage, genotoxicity, mutagenicity") of the Project: "Development and implementation of validated and/or alternative methods for the assessment of physical-chemical properties and potential geno- / toxicological activity of nanomaterials relevant for industrial application". (Agreement Italian Ministry of Health / Istituto Superiore di Sanità 29/12/2010)

**2015 – 2016.** Confirmed as member of the Expert panel FEEDAP of EFSA for the period 2015-2018 and nominated chair of the Working Group "Colouring agents" of this panel and member of the Standing Working Group on Genotoxicity (scientific committee – EFSA).

**2017 – 2019.** Nominated member of the Risk Assessment Committee (RAC) of the European Chemicals Agency (ECHA) for the renewable term of 3 years as expert for human health. Appointed as member of the Expert panel on Food Additives and Flavourings (FAF) of EFSA for the period 2018-2021. Chair of the Ad hoc Working Group on Annatto additives (FAF Panel - EFSA). Confirmed as member of the Working Group on Genotoxicity established by the Scientific committee of EFSA.

## **CURRENT REGULATORY AND RISK ASSESSMENT ACTIVITY**

**National appointments:** Inspector for Good Laboratory Practice, as expert for mutagenesis and carcinogenesis. Member of the Expert Panel on Biocides of ISS. Member of the Working Group “Evaluation of intrinsic properties and classification of chemicals” of the Italian Competent Authority for REACH Regulation. Member of the “Working Group on Biocides” of ISS established following a request of the Italian Ministry of Health.

**International appointments:** Member of the expert panel Food Additives and Flavourings of EFSA. Member of the Working Group on Genotoxicity established by the Scientific committee of EFSA. Chair of the Working Group on Technological additives (FEEDAP Panel – EFSA). Member of the Risk Assessment Committee (RAC) of the European Chemicals Agency (ECHA) as expert for human health. Head of the Italian Delegation to the Joint Meeting of the Chemicals Committee and the Working Party on Chemicals, Pesticides and Biotechnology of OECD - Environment Health and Safety Programme (EHS). Italian National Coordinator of the Test Guideline Programme of OECD – EHS Programme.

## **SCIENTIFIC PUBLICATIONS**

### **Risk Assessment and Scientific Advice papers**

Co-author of 13 Evaluation Reports on biocides and three Assessment Reports on biocides (European Union Directive 98/8/EC) as expert of genotoxicity and carcinogenicity.

Co-author of over 500 scientific opinions of EFSA published on EFSA Journal, 17 as rapporteur of the entire opinion, 54 as rapporteur of genotoxicity section. Co-author of 4 EFSA guidance papers, one as co-rapporteur (<http://www.efsa.europa.eu/en/publications>).

### **Research papers**

Co-author of 44 scientific international publications, 16 as first author, 17 as supervisor of a junior scientist.

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