

# CURRICULUM VITAE

April 2018



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**Title and name**

Dr. Riccardo Crebelli

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**Nationality**

Italian

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**Panel / Scientific Committee**

Panel on Food Contact Materials and Enzymes and Processing Aids (CEP)

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**Education**

Bachelor in Biology, 1976, Statal University of Rome, Italy

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**Work Experience**

2017-present	National Institute of Health (ISS), Italy	Director of research Management of the Section on Mechanisms, Biomarkers and Models at the Department of Health and Environment Leading and coordination of research in genetic and environmental toxicology. Advising activity in chemical and environmental risk assessment.
2001 – 2017	National Institute of Health (ISS), Italy	Director of research Management of the Unit of Genetic Toxicology at the Department of Environment and Primary Prevention. Leading research projects in genetic toxicology and human biomonitoring. Advising activity in chemical risk assessment
1993 – 2001	National Institute of Health (ISS), Italy	Senior researcher Management of the Unit of Genotoxicity and Mutagenesis at the Laboratory of Comparative Toxicology and Ecotoxicology. Leading experimental research on mechanisms of genotoxicity and mutagenesis, human biomonitoring and genetic toxicity testing. Advising activity on mutagenesis and genetic toxicology

1984 – 1993	National Institute of Health (ISS), Italy	Researcher Experimental research on mechanisms of mutagenesis, human biomonitoring and genetic toxicity testing.
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### Scientific expertise

- Genotoxicity
- Human biomonitoring
- Risk assessment

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### Most relevant scientific publications within the fields of EFSA

Author of more than 100 peer-reviewed papers. Main areas of research include mechanisms of mutagenesis and genotoxicity testing, DNA repair, human biomonitoring and risk assessment.

Full list of publications at <http://orcid.org/0000-0001-9822-4747>

1. Bolognesi C, Castoldi AF, Crebelli R, Barthélémy E, Maurici D, Woelfle D, Volk K, Castle L. (2017) Genotoxicity testing approaches for the safety assessment of substances used in food contact materials prior to their authorisation in the European Union. *Environ Mol Mutagen* 58(5): 361–374
  2. S.Valsecchi, D.Conti, R.Crebelli, S.Polesello, M.Rusconi, M.Mazzoni, E.Preziosi, M.Carere, L.Lucentini, E.Ferretti, S.Balzamo, M.G.Simeone, F.Aste (2017) Deriving environmental quality standards for perfluorooctanoic acid (PFOA) and related short chain perfluorinated alkyl acids. *Journal of Hazardous Materials*, 323: 84-98
  3. L.Conti, R.Crebelli (2016) Potential pitfalls associated with testing of enzyme preparations in the Salmonella/microsome assay. *Regulatory Toxicology and Pharmacology*, 80: 291-294
  4. L.Conti and R.Crebelli (2016) Evaluation of the mutagenicity of simple substituted quinoxalines in *Salmonella typhimurium*. *Drug and Chemical Toxicology*, 39 (2) 213-6
  5. R.Crebelli and P.Leopardi (2012) Long-term risks of metal contaminants in drinking water: a critical appraisal of guideline values for arsenic and vanadium. *Ann. Sup. Sanità* 48 (4): 354-361
  6. F.Marcon, E.Siniscalchi, R.Crebelli, C.Saieva, F.Sera, P.Fortini, V.Simonelli, D.Palli (2012) Diet-related telomere shortening and chromosome stability. *Mutagenesis* 27: 49-57
  7. Marcon F, Silvestrini F, Siniscalchi E, Palli D, Saieva C, Crebelli R. (2011) Gene expression in response to ionizing radiation and family history of gastric cancer. *Fam Cancer*. 10: 107-118
  8. E.Cordelli, P.Leopardi, P.Villani, F.Marcon, C.Macri, S.Caiola, E.Siniscalchi, L.Conti, P.Eleuteri, F.Malchiodi-Albedi and R.Crebelli (2010) Toxic and genotoxic effects of oral administration of furan in mouse liver. *Mutagenesis* 25: 305-314
  9. P.Leopardi, E.Cordelli, P.Villani, T.P.Cremona, L.Conti, G.De Luca. and R.Crebelli (2010) Assessment of in vivo genotoxicity of the rodent carcinogen furan: evaluation of DNA damage and induction of micronuclei in mouse splenocytes. *Mutagenesis* 25: 57-62
  10. P.Villani, E.Cordelli, P.Leopardi, E.Siniscalchi, E.Veschetti, A.M.Fresegna, R.Crebelli (2007) Evaluation of genotoxicity of oral exposure to tetravalent vanadium in vivo. *Toxicology Letters*, 170: 11-18
  11. Zijno A., Verdina A., Galati R., Leopardi P., Marcon F., Andreoli C., Rossi S., and Crebelli R. (2006) Influence of DNA repair polymorphisms on biomarkers of genotoxic damage in peripheral lymphocytes of healthy subjects. *Mutation Research* 600, 184-192
  12. Crebelli, R. (2006) Towards a harmonized approach for risk assessment of genotoxic carcinogens in the European Union. *Ann. Ist. Super. Sanità* 42, 127-131
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13. Leopardi P., Marcon F., Caiola S., Cafolla A., Siniscalchi E., Zijno A., Crebelli R. (2006) Effects of folic acid deficiency and MTHFR C677T polymorphism on spontaneous and radiation-induced micronuclei in human lymphocytes. *Mutagenesis*, 21: 327-333
  14. P. Leopardi, P.Villani, E. Cordelli, E.Siniscalchi, E.Veschetti and R. Crebelli (2005) Assessment of the in vivo genotoxicity of vanadate: analysis of micronuclei and DNA damage induced in mice by oral exposure. *Toxicol. Lett.*, 158, 39-49
  15. A.Zijno, C.Andreoli, P.Leopardi, F.Marcon, S.Rossi, S.Caiola, A.Verdina, R.Galati, A.Cafolla, R.Crebelli (2003) Folate status, metabolic genotype, and biomarkers of genotoxicity in healthy subjects. *Carcinogenesis*, 24, 1097-1103
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