

# BIOGRAPHY

May 2nd, 2011



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**Title and name**

Dr Riccardo Crebelli

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**Nationality**

Italian

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**Panel**

Scientific Panel on Food Additives and Nutrient Sources (ANS)

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**Education**

Degree in Biological Sciences with laude, 1976, University of Rome "La Sapienza"

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**Scientific and risk assessment experience**

Researcher at the Italian National Institute of Health and director of the Unit of Genetic Toxicology. The main field of experimental research is genetic toxicology, with special consideration of methods and strategies for genetic toxicity testing, genetic effects of environmental and food-borne chemicals and complex mixtures, biomarkers of exposure, susceptibility and effect in human populations exposed to genotoxins.

Experiences on risk assessment serving as expert member in national and international advisory bodies since the eighties, and providing advice in the evaluation of genetic toxicity test results for the purpose of hazard identification and risk characterization, and in chemical risk assessment in general.

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**Main scientific publications**

Main areas of publication include environmental and chemical mutagenesis, risk assessment, environmental and occupational health and carcinogenesis, as exemplified by the following 10 publications:

Véronique Thybaud, James T. MacGregor, Lutz Müller, Riccardo Crebelli, Kerry Dearfield, George Douglas, Peter B. Farmer, Elmar Gocke, Makoto Hayashi, David P. Lovell, Werner K. Lutz, Daniel Marzin, Martha Moore, Takehiko Nohmi, David H. Phillips and Jan Van Benthem (2010) Strategies in case of positive in vivo results in genotoxicity testing. Mutation Research, 2010 Sept 17 [Epub ahead of print].

E.Cordelli, P.Leopardi, P.Villani, F.Marcon, C.Macrì, 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: e-pub 1 March 2010

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

F.Marcon, D.Palli, A.Zufferli, E.Mazzoli, E.Siniscalchi, F.Sera, C.Saieva, and R.Crebelli (2009) Evaluation of radiation-induced chromosome instability in subjects with a family history of gastric cancer. *Biomarkers* 14: 226-234

P.Villani, E.Cordelli, P.Leopardi, E.Siniscalchi, E.Veschetti, A.M.Freseghna, R.Crebelli (2007) Evaluation of genotoxicity of oral exposure to tetravalent vanadium in vivo. *Toxicology Letters*, 170: 11-18

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

Crebelli, R. (2006) Towards a harmonized approach for risk assessment of genotoxic carcinogens in the European Union. *Ann. Ist. Super. Sanità* 42, 127-131

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

R.Benigni, L.Conti, R.Crebelli, A.Rodomonte, and M.R.Vari' (2005) Simple and  $\alpha,\beta$ -unsaturated aldehydes: correct prediction of genotoxic activity through structure-activity relationships models. *Environmental Molec. Mutagen.*, 46, 268-280

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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