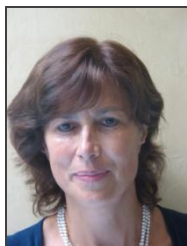


# BIOGRAPHY

5 July 2012



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**Title and name**

Dr Eugenia Dogliotti

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**Nationality**

Italian

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**Panel**

Contaminants in the Food Chain

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**Education**

University degree in Biological Sciences - 1976 - University of Rome (Italy).

Fellowships at the Istituto Superiore di Sanità and at the Medical Biological Laboratory, TNO, The Netherlands.

Visiting scientist at the Department of Applied and Biological Sciences, Massachusetts Institute of Technology, Cambridge, USA

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**Scientific and risk assessment experience**

- Genetic Toxicology
  - Molecular mutagenesis
  - DNA repair
  - Molecular epidemiology
  - Risk assessment of environmental chemicals
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**Main scientific publications**

More than 100 scientific papers, mainly dealing with molecular mechanisms of DNA repair and mutagenesis, genotoxicity of environmental chemicals, gene-environment interaction in cancer risk, biomarkers of genetic susceptibility, have been published in international journals and as books. Ten more relevant papers are as follows:

1. Fortini P, Ferretti C, Pascucci B, Narciso L, Pajalunga D, Puggioni EM, Castino R, Isidoro C, Crescenzi M and Dogliotti E, 2012. DNA damage response by single-strand breaks in terminally differentiated muscle cells and the control of muscle integrity. Cell Death & Differentiation, doi: 10.1038/cdd.2012.53. [Epub ahead of print]
2. Pascucci B, Lemma T, Iorio E, Giovannini S, Vaz B, Iavarone I, Calcagnile A, Narciso L, Degan P, Podo F, Roginskya V, Janjic BM, Van Houten B, Stefanini M, Dogliotti E and D'Errico M, 2012. An altered redox balance mediates the hypersensitivity of Cockayne syndrome primary fibroblasts to oxidative stress. Aging Cell, 11, 520-529.
3. Fortini P and Dogliotti E, 2010. Mechanisms of dealing with DNA damage in terminally differentiated cells. Mutation Research, 685, 38-44.
4. D'Errico M, de Rinaldis E, Blasi MF, Viti V, Falchetti M, Calcagnile A, Sera F, Saieva C, Ottini L, Palli D, Palombo F, Giuliani A and Dogliotti E, 2009. Genome-wide expression profile of sporadic gastric cancers with microsatellite instability. European Journal of Cancer, 45, 461-469.

5. D'Errico M, Parlanti E and Dogliotti E, 2008. Mechanism of oxidative DNA damage repair and relevance to human pathology. *Mutation Research*, 659, 4-14.
  6. Narciso L, Fortini P, Pajalunga D, Franchitto A, Liu P, Degan P, Frechet M, Demple B, Crescenzi M and Dogliotti E, 2007. Terminally differentiated muscle cells are defective in base excision DNA repair and hypersensitive to oxygen injury. *Proceedings of the National Academy of Sciences of the United States of America*, 104, 17010-17015.
  7. Palma N, Cinelli S, Saporita O, Wilson SH and Dogliotti E, 2007. Ochratoxin A-induced mutagenesis in mammalian cells is consistent with the production of oxidative stress. *Chemical Research in Toxicology*, 20, 1031-1037.
  8. D'Errico M, Parlanti E, Teson M, Degan P, Lemma T, Calcagnile A, Iavarone I, Jaruga P, Ropolo M, Pedrini AM, Orioli D, Frosina G, Zambruno G, Dizdaroglu M, Stefanini M and Dogliotti E, 2007. The role of CSA in the response to oxidative DNA damage in human cells. *Oncogene*, 26, 4336-4343.
  9. Fortini P and Dogliotti E, 2007. Base damage and single-strand break repair: mechanisms and functional significance of short- and long-patch repair subpathways. *DNA Repair (Amst)*, 6, 398-409.
  10. D'Errico M, Parlanti E, Teson M, de Jesus BM, Degan P, Calcagnile A, Jaruga P, Bjørås M, Crescenzi M, Pedrini AM, Egly JM, Zambruno G, Stefanini M, Dizdaroglu M and Dogliotti E, 2006. New functions of XPC in the protection of human skin cells from oxidative damage. *EMBO Journal*, 25, 4305-4315.
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