

Alessandra Montecucco
Date of birth: February 18, 1960

Education and Career

1984 - Degree in Chemistry and Pharmaceutical Technology *cum laude*, University of Pavia, Italy.

1987 - Advanced Studies in Toxicology *cum laude*, University of Milano, Italy.

1989-1991 - PhD in Genetics and Molecular Biology, University of Pavia, Italy.

1990 - EMBO Fellow at the Institut de Recherches Scientifiques sur le Cancer, IRSC-CNRS, Villejuif, France.

1992-2001 – Junior Researcher at the Istituto di Genetica Biochimica ed Evoluzionistica, CNR, Pavia, Italy.

1994 - Visiting Scientist at the IRSC-CNRS, Villejuif, France.

1995 - Visiting Scientist at the Imperial Cancer Research Fund, London (UK).

Since 2001- Senior Researcher at the Institute of Molecular Genetics of CNR, Pavia, Italy.

Other Experience and Professional Membership

- Member of the Italian Society of Biophysics and Molecular Biology (SIBBM) since 1994
- Member of the American Society for Biochemistry and Molecular Biology (ASBMB) since 2002
- Member of the ABCD (Associazione di Biologia Cellulare e del Differenziamento) Society since 2012, and Chair of the Cell Stress: Survival and Apoptosis (CSSA) group of ABCD (2016-2018)
- Member of the Evaluation Group (GEV05) of the National Agency for the Evaluation of Universities and Research Institutes, VQR 2011-14 (2015-2016)
- Member of the Selection Committee of PRIN 2015, Italian Ministry of Education, Universities and Research (MIUR) (2016)
- Reviewer of Research Grants applications for the Italian Ministry of Economic Development (MISE) (2017-2020); Dutch Cancer Society, Amsterdam, The Nederland (2013); Austrian Science Fund FWF, Wien, Austria (2013); Italian Ministry of Health (2010); The Wellcome Trust, UK (2000)
- Academic Editor for Peer Journal (ISSN: 2167-8359), San Francisco, USA (2014-present)
- Member of the Editorial Board of the World Journal of Biological Chemistry (ISSN: 1949-8454) Baishideng Publishing Group Co. Hong Kong, China (2013-2017 and 2018-2021)
- Review Editor of Frontiers in Genetics (eISSN: 1664-8021) and Frontiers in Oncology (eISSN: 2234-943X) Lausanne, Switzerland (from 2012)
- Associate Editor for the Topic “DNA and RNA metabolism meet at chromatin to control genome stability” (Front. Genet. and Front. Oncol.) (2014/2015)
- Author-in-Chief for the Springer Reference Live: Cancer (since 2010)
- Contributor for the Encyclopaedic Reference of Genomics and Proteomics in Molecular Medicine, Ed. M. Gossen, Springer

- Contributor for the Encyclopaedia of Cancer 2nd, 3rd and 4th Edition, Ed. M. Schwab, Springer .
- Consultant reviewer for Cancer Research, Cancer Letters, Oncogene, Current Opinion in Drug discovery & Development, Molecular Cell, J. Cell Biology, Nucleic Acids Research, Cell Cycle, Molecular and Cellular Biology, DNA Repair, BBA, PloS ONE, DNA Repair, BBA, Human and Experimental Toxicology, Toxicology in vitro

Grants

AIRC (Associazione Italiana per la Ricerca sul Cancro)

- DNA ligase I-deficient cell lines as a model for studying the cellular response to endogenous DNA damages (2006/2009). Principal Investigator.
- Modulation of DNA replication/repair protein complexes during the cell cycle and in response to DNA damage (2001/2002). Principal Investigator.
- Relevant interactions in the assembly of DNA replication/repair complexes: hints for anticancer drugs (1998/2000). Principal Investigator.
- Role of splicing factors in the generation of cancer stem cells: an in vitro model based on cell density. IG 2011 11492. (2011/2013). Research Unit Member.
- Nuclear long non-coding RNAs encoded by the gene for splicing factor SRSF1: links with the nutrient stress response. IG 2014 (2014/2016). Research Unit Member

CARIPLLO Foundation

- Grant n. 2003.1663/108441 Oncogenetics and Proteomics of DNA Replication (2003-2005). Principal Investigator.
- N.O.B.E.L Platform: Genetic and Epigenetic Control of Genome Stability (2007/2010) Research Unit Member.

MIUR-CNR

- AP.01 Invecchiamento 1. Molecular Mechanisms of Neuro-degeneration and aging (2013/2015) Research Unit Member
- Epigenomics Flagship Project (EPIGEN) Global analysis of epigenetics modifications influencing genome integrity and stability (2013-2015) Research Unit Member.
- INTEROMICS - Flagship Project Comparative analyses of γ H2AX and gene expression profiles in response to replicative stress (2015-2018) Research Unit Member

LOMBARDY REGION-CNR

- MbMM: Basic methodologies for innovation in the diagnosis and treatment of multifactorial diseases (2013-2015) Research Unit Member
- AMANDA: Abnormal Metabolic states, cellular stressors and Neuro-degenerative processes (2017-2019) Research Unit Member

FIRB (Italian Ministry of University and Research)

- Ref. RBNE01RNN7 Functional analysis of the disease genes involved in the maintenance of genome integrity (2002/2004) Research Unit Member.

Alessandra Montecucco is author/co-author of 64 publications in international peer-reviewed journals and of 3 chapters in books. H-index 24 (WOS).