

ELENA GIULOTTO
Short curriculum

- Since 2022 Adjunct Professor in Molecular Biology, Department of Biology and Biotechnology, University of Pavia.
- 2002-2021 Full Professor in Molecular Biology, Department of Biology and Biotechnology, University of Pavia.
- 1992-2002 Associate Professor in Molecular Biology, Faculty of Sciences, University of Pavia.
- 1986-1992 Researcher in Genetics, Faculty of Sciences, University of Pavia.

Education

- 1973 Degree in Biological Sciences cum laude. University of Pavia. Field of study: Biology.
- 1974/1980 University Fellowship. PhD equivalent. Field of study: Genetics.
- 1980/1983 Postdoctoral fellowship from European Molecular Biology Organization, Biochemistry Department, Stanford University, California. Field of study: Molecular Biology.
- 1983/1986 Imperial Cancer Research Fund, London, UK. Postdoctoral training. Field of study: Cancer Molecular Biology.

Research activity

- Fields of interest: mammalian chromosome organization and instability, centromeres, DNA repair, telomeres, interstitial telomeres, gene amplification, genome evolution, epigenetics.
- Invited speaker in numerous national and international meetings.
- Seminars in numerous national and international universities and research institutes.
- Member of Società Italiana di Biologia Molecolare e Biofisica, Associazione Genetica Italiana, International Society of Animal Genetics, Society for Molecular Biology and Evolution. Partner in the International Cooperation "Horse Genome Project". Partner in the International collaboration "Functional Annotation of Animal Genomes (FAANG)".

Publications

- 106 full papers on peer reviewed international journals, including high impact factor journals.
- Google scholar H index 44, since 2019 22, citations 8347
- Scopus H index: 35, citations: 5485
- Orcid: 0000-0002-4705-2049

Editorial and reviewing activity

- Member of the Editorial Board of International Journal of Molecular Sciences
- Reviewer for international journals including: Scientific Reports, Nature Communications, PNAS, Genome Research, J. Molecular Evolution, PloS Genetics, Trends in Genetics, International Journal Molecular Science, Genes Chromosomes and Cancer, BMC Genomics, Mutation Research, Mutation Research Reviews, Cytogenetics and Genome Research, European Journal of Cancer, DNA Repair, Genomics, Bioassays, European Journal of Human Genetics, Experimental Cell Research, Biotechnology and Bioengineering, Chromosoma, Oncogene, Animal Genetics, Genome, Radiation Research, Cancer Biomarkers, Chromosome Research, Oncotarget.
- Member of Grant Committees: Italian CNR grants (1999-2000). Human Frontier Science Program Organization (2001-2003). Spanish "Maratò Foundation" (2005). Consorzio Italiano per le Biotecnologie (2010). Member of the Committee for the Evaluation of National Research Products for the Italian Ministry of Education: CIVR (2005), VQR (2012), PRIN, FIRB, SIR (2007-2014). F.R.S.-FNRS, Fonds de la Recherche Scientifique-FNRS, Belgium (2014-2020). Fondazione Banca del Monte Pavia (2016). Scientific Committee of Fondazione Alma Mater Ticinensis (2015-2020). University of Sharj, United Arab Emirates (2019). Singapore Ministry of Education (2019). Member of the Committee for international meeting proposals from University of Pavia (2015-2019).

Inclusion in ASN lists

Included in the lists of possible Committee members for the “Abilitazione Scientifica Nazionale” (ASN) 05/E2 Biologia Molecolare 2016, 2018

https://abilitazione.miur.it/public/documenti/2016/sorteggiabili/311016_pdf_sorteggiabili_05E2

https://abilitazione.miur.it/public/documenti/2018/sorteggiabili/261018_pdf_sorteggiabili_05E2

Research grants

- Principal Investigator in competitive research grants. CNR Progetto Finalizzato P.F. Oncologia (1984-88). CNR P.F. Ricerche Avanzate Innovazioni nel Sistema Agricolo RAISA (1990-93). CNR P.F. Ingegneria Genetica (1991-95). CNR P.F. Applicazioni della Ricerca Oncologica ACRO (1992-96). Istituto Oncologico Romagnolo (1988-96). Italian Ministry of Education FIRB 2001 (2004-2008), Associazione Italiana per la Ricerca sul Cancro AIRC (1989-93), Cariplo Foundation (2008-2010), Researcher in charge of two Marie Curie fellowships (2006 and 2007-2009). Regione Lombardia-Finlombarda Astil (2009-2010).

- Partner in competitive research grants. Ministry of Education PRIN projects: 1998 (1999-2001), 2000 (2002-2003), 2001 (2002-2004), 2002 (2003-2005), 2004 (2005-2006), 2006 (2007-2009), 2008 (2010-2012), 2012 (2014-2017), 2015 (2017-2020). Ministry of Education FIRB 2001 (2003-2007). Alma Mater Ticinensis (2009-2011). Ministry of Education FIRB 2011 (2012-2015). Progetto Bandiera Epigenomica- CNR (2013-2018). USDA-NIFA project Functional annotation of the equine genome: an international collaborative effort (2018-2023).

- Partner in the following European Community projects: BIOMED 2 “Mammalian Chromosome Stability and Cancer” (1996-98). EURATOM, V Framework Program, “Telorad” (2001-2003). EURATOM, V Framework Program, “Telosens” (2003-2005). EURATOM, VI Framework Program, Integrated Project “Riscrad” (2004-2007). EURATOM, VII Framework Program, DoReMi (2009-2013), EpiRadBio (2011-2014), OPERRA (2013-2017).

Teaching activity in Pavia

- Since 1990 extensive teaching activity in Molecular Biology within Biological Sciences and Biotechnology programs.

- Coordinator of the two year Master Course “Molecular Biology and Genetics” from its activation in 2009 until 2021.

- Member of the PhD School in Genetics, Molecular and Cellular Biology and organizer of courses for PhD students.

- Teacher of Molecular Biology in the Master in Oncologic Genetics (2015-2024).

- Teacher of Molecular Biology in the Medical Specialization School in Anatomic Pathology (2016-2021).

- Supervisor of numerous post-docs, PhD, graduate and undergraduate students.

Teaching activity in other universities

- Member of committees for PhD thesis evaluation: Université Paris-Sud (2015), Museum National d'Histoire Naturelle Paris (2016), Sorbonne University-Institut Curie (2020), Università di Verona (2020), Universitat Autònoma de Barcelona (2024).

Technology transfer

PI in project funded by KITTARO BIOTEC, Geneva, (2007-2008). Applied research project from Regione Lombardia "Dote Ricerca Applicata" in collaboration with DIESSE Ricerche Srl (2011-2012). Co-funder of the spin-off Polymerix (2015-2021).