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Nato ad Adria (RO) 31.1.1955

1978 Laurea in Scienze Biologiche, Università di Ferrara

1983 Ricercatore, Università di Ferrara

1987 Postdoc Research Scientist, State Università di New York, Stony Brook

1989 Ricercatore, Università di Padova

1992 Professore Associato di Genetica, Università di Bologna

1996 Professore Associato di Genetica, Università di Ferrara

2001 Professore Ordinario di Genetica, Università di Ferrara

2025 A riposo per raggiunti limiti d'età.

1. Attività didattica

Professore ordinario di Genetica, Università di Ferrara

Gennaio 2001 / Settembre 2025

Insegnamenti di Genetica; Genetica di popolazioni; Didattica della biologia; Genetica agraria.

Supervisione di tesi di laurea, laurea magistrale e dottorato di ricerca

Professore associato di Genetica, Università di Ferrara

Settembre 1996 / Gennaio 2001

Insegnamenti di Genetica; Genetica di popolazioni; Genetica dell'antico, Laboratorio di metodologie biologiche animali e vegetali.

Supervisione di tesi di laurea, laurea magistrale e dottorato di ricerca¹

2. Attività scientifica

Autore (al 31.01.2025) di 161 articoli su riviste internazionali ISI, 32 capitoli di libro e 11 volumi di comunicazione della scienza. H index = 59 (Google Scholar), 43 (Web of Science, Scopus)².

In 90ma posizione nel ranking dei Top Italian Scientists:

(http://www.topitalianscientists.org/Top_italian_scientists_VIA-Academy.aspx).

Collaborazione editoriale a riviste scientifiche³

Partecipazione a commissioni internazionali di Dottorato di ricerca⁴

Supervisione di collaboratori postdoc⁵

¹ APPENDICE 1

² APPENDICE 2

³ APPENDICE 3

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⁵ APPENDICE 5

3. Attività istituzionale

Coordinatore:

Dottorato di ricerca in BIOLOGIA: ciclo 18 anno 2002 - ciclo 19 anno 2003 - ciclo 20 anno 2004

Dottorato di ricerca in BIOLOGIA EVOLUZIONISTICA E AMBIENTALE ciclo 21 anno 2005 - ciclo 22 anno 2006 - ciclo 23 anno 2007 - ciclo 24 anno 2008 - ciclo 25 anno 2009 - ciclo 26 anno 2010 - ciclo 27 anno 2011 - ciclo 28 anno 2012 - ciclo 29 anno 2013

Dottorato di ricerca in BIOLOGIA EVOLUZIONISTICA ED ECOLOGIA ciclo 31 anno 2015 - ciclo 32 anno 2016 - ciclo 32 anno 2017

Direttore:

Scuola di Dottorato in Scienze della vita, della salute e dell'ambiente

ciclo 26 anno 2010 - ciclo 27 anno 2011 - ciclo 28 anno 2012

Partecipazione a commissioni nazionali di concorso a PO, PA e RTD

Incarichi di responsabilità in organismi scientifici ed enti di ricerca nazionali e internazionali: CNR, MIUR (PRIN), National Science Foundation (USA), Wellcome Trust – Bioarcheology Panel (UK), Fonds National Suisse de la Recherche Scientifique (Svizzera).

4. Terza missione

Libri di soggetto scientifico

L'invenzione delle razze (Bompiani 2006; nuova edizione 2018); traduzioni portoghese (Editora Contexto) e tedesca (Jacoby Stuart).

Europei senza se e senza ma (Bompiani 2008; nuova edizione 2021)

Sono razzista, ma sto cercando di smettere (con Pietro Cheli, Laterza 2008)

Lascia stare i santi. Una storia di reliquie e di scienziati (Einaudi 2014, Laterza 2026)

Contro il razzismo (con Marco Aime, Federico Faloppa e Clelia Bartoli, Einaudi 2016); traduzione spagnola (ED Libros)

Gli africani siamo noi (Laterza 2016; Premio selezione Galileo)

Il gene riluttante (con Lisa Vozza, Zanichelli 2017)

Il giro del mondo in sei milioni di anni (con Andrea Brunelli, Il Mulino 2018); traduzione spagnola (Alianza Editorial)

Sillabario di genetica per principianti (Bompiani 2019)

Come Eravamo. Storie dalla grande storia dell'uomo (Laterza 2022); traduzioni francese (Albin Michel), spagnola (Alianza Editorial), tedesca (Penguin Verlag), portoghese (Vogais), Turco (Alfakitap), Slovacco (Grada), Giapponese (Kawade Shobo), Polacco (Libra Wydawnictwo)

L'alba della storia. Una rivoluzione iniziata diecimila anni fa (Laterza 2024)

Altri libri

Dilettanti (Marsilio 1994, Sironi 2004)

Dopoguerra (Sironi 2002)

Questione di razza (Mondadori 2003)

Morti e sepolti (Bompiani 2010)

Tutto il resto è provvisorio (Bompiani 2018)

Soggetti smarriti (Einaudi 2022).

Premi

Premio Selezione Galileo (2007) per il saggio *L'invenzione delle razze* (Bompiani 2006)

Premio Merck-Serono (2007) per il saggio *L'invenzione delle razze* (Bompiani 2006)

Premio Napoli per la lingua e la cultura italiana (2014)

Premio Selezione Galileo (2017) per il saggio *Gli africani siamo noi* (Bompiani 2006)

Premio Montale (2024) per la comunicazione scientifica

Premio Pianeta Galileo (2024) per la comunicazione scientifica

APPENDICE 1: SUPERVISIONE DI TESI DI DOTTORATO DI RICERCA

1. Giorgio Bertorelle, *Two new methods for the analysis of genetic variation at the molecular level, and evolutionary inferences on human populations*, Dottorato di ricerca in Scienze Genetiche, Università di Ferrara, Bologna, Padova, Parma, Pisa, 1996.
2. Giulietta Di Benedetto, *Y-chromosome and mitochondrial diversity, within and among linguistic groups of the Eastern Alps*, Dottorato di ricerca in Scienze Genetiche, Università di Ferrara, Bologna, Padova, Parma, Pisa, 2000.
3. Silvia Fuselli, *Molecular diversity at a locus of pharmacogenetic interest, CYP2D6*, Dottorato di ricerca in Biologia, Università di Ferrara, 2003.
4. Francesca Visentini, *Association between genotype and response to pharmacological treatment for Alzheimer disease*, Dottorato di ricerca in Biologia, Università di Ferrara, 2005.
5. Alessia Ranciaro, *The genetic bases of lactase persistence in Africa*. Dottorato di ricerca in Biologia Evoluzionistica e Ambientale, Università di Ferrara, 2007.
6. Giulia Riccioni, *Inferences on demographic history of Bluefin tuna (*Thunnus thynnus*)* Dottorato di ricerca in Biologia Evoluzionistica e Ambientale, Università di Ferrara, 2008
7. Ronald Ferrucci, *On the study of genetic structure in human populations and the effects of demographic history, consanguinity and study design on detection of archaic introgression and natural selection*. Dottorato di ricerca in Biologia Evoluzionistica e Ambientale, Università di Ferrara, 2010
8. Silvia Ghirotto, *Genealogical inference based on comparison of modern and ancient DNA*. Dottorato di ricerca in Biologia Evoluzionistica e Ambientale, Università di Ferrara, 2011
9. Francesca Tassi, *Genomic inference of ancient human dispersal processes*. Dottorato di ricerca in Biologia Evoluzionistica e Ambientale, Università di Ferrara, 2014
10. Serena Tucci, *Lost worlds: tales of archaic hominin admixture in Southeast Asia and Melanesia*, Dottorato di ricerca in Biologia Evoluzionistica e Ambientale, Università di Ferrara, 2015
11. Andrea Brunelli, *Inferring past human migration from genes, languages and bacteria*. Dottorato di ricerca in Biologia Evoluzionistica ed Ecologia, Università di Ferrara e Parma, 2018
12. Patrícia Santos, *Inference of human migration from genomic and linguistic data*. Dottorato di ricerca in Biologia Evoluzionistica ed Ecologia, Università di Ferrara e Parma, 2020
13. Silvia Perretti, *Robust inference of phenotypic traits from low-coverage ancient genomes*. Dottorato di ricerca in Biologia Evoluzionistica ed Ecologia, Università di Ferrara, Firenze e Parma, 2024
14. Debora Ferraresi, *All roads lead to Rome: How the empire shaped the Italian genetic variability*. Dottorato di ricerca in Scienze della Vita e Biotecnologie, Università di Ferrara, da discutere nel 2026

APPENDICE 2: ELENCO DELLE PUBBLICAZIONI SU RIVISTE INTERNAZIONALI

- [1.1] Danieli G.A., Barbujani G., Cravera C. and Barrai I. (1981) Sex ratio in *Drosophila* as a mutagenicity test. *Atti Accademia Naz. Lincei* **70**:23–28.
- [1.2] Beretta M., Schiliro' G., Russo A., Barbujani G., Mazzetti P., Russo G. and Barrai I. (1983) A new rare variant of the Glyoxalase I system of the red cell: GLO^{Sicily}. *American Journal of Human Genetics* **35**:1042–1047.
- [1.3] Barrai I., Barbujani G., Beretta M., Vullo C. (1983) Heterozygosity and geographic distances in a limited area. *Journal of Human Evolution* **12**:403–408.
- [1.4] Barbujani G. and Calzolari E. (1984) Comparison of two statistical techniques for the surveillance of birth defects through a Monte Carlo simulation. *Statistics in Medicine* **3**:239–247.
- [1.5] Danieli G.A. and Barbujani G. (1984) Duchenne muscular dystrophy. Frequency of sporadic cases. *Human Genetics* **67**:252–256.
- [1.6] Barrai I., Rosito A., Cappellozza G., Cristofori G., Vullo C., Scapoli C. and Barbujani G. (1984) Beta Thalassemia in the Po delta: Selection, geography and population structure. *American Journal of Human Genetics* **36**:1121–1134.
- [1.7] Barbujani G. and Calzolari E. (1985) Comparison of two statistical techniques for the surveillance of birth defects through a Monte Carlo simulation. Authors' reply. *Statistics in Medicine* **4**:389–391.
- [1.8] Barrai I., Cann H.M., Cavalli-Sforza L.L., Barbujani G., De Nicola P. (1985) Segregation analysis of Hemophilia A and B. *American Journal of Human Genetics* **37**:680–699.
- [1.9] Barbujani G. (1985) A two-step test for the heterogeneity of F_{ST} values at different loci. *Human Heredity* **35**:292–295.
- [1.10] Barbujani G. and Milani F. (1986) Diversity of some gene frequencies in European and Asian populations. Effects of longitude. *Journal of Human Evolution* **15**:61–69.
- [1.11] Beretta M., Mazzetti P. and Barbujani G. (1986) A cline for Glyoxalase I allele frequencies in Italy. *Annals of Human Biology* **13**:341–345.
- [1.12] Barbujani G., Ceccherini I., Russo A. (1986) Surveillance of birth defects: the multicomunity sets technique tested by computer simulation. *European Journal of Epidemiology* **2**:52–62.
- [1.13] Barbujani G., Rolo M., Barrai I., Pinto-Cisternas J. (1986) *Torus palatinus*: a segregation analysis. *Human Heredity* **36**:317–325.
- [1.14] Barbujani G., Russo A., Calzolari E. (1986) Frequency distributions and time clustering of facial clefts in EUROCAT centres. *European Journal of Epidemiology* **2**:327.
- [1.15] Pecorara M., Casarino L., Mori P.G., Morfini M., Mancuso G., Scrivano A.M., Boeri E., Molinari A.C., De Biasi R., Ciavarella N., Bencivelli F., Ripa T., Barbujani G., Loi A., Perseu L., Cao A., Pirastu M. (1987) Hemophilia A: carrier detection and prenatal diagnosis by DNA analysis. *Blood* **70**:531–535.
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- [1.18] Barbujani G., Canella R. (1987) Diversity of some gene frequencies in European and Asian populations. II. Fit of an isolation by distance model. *Human Heredity* **37**:265–272.
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- [1.26] Barbujani G. (1988) Detecting and comparing the direction of gene–frequency gradients. *Journal of Genetics* **67**:129–140.
- [1.27] Barbujani G. and Pigliucci M. (1989) Geographical patterns of karyotype polymorphism in Italian populations of *Ornithogalum montanum* (Liliaceae). *Heredity* **62**:67–75.
- [1.28] Barbujani G., Russo A., Farabegoli A. and Calzolari E. (1989) Inferences on the inheritance of congenital anomalies from temporal and spatial patterns of occurrence. *Genetic Epidemiology* **6**:537–552.
- [1.29] Barbujani G., Oden N.L., Sokal R.R. (1989) Detecting regions of abrupt change in maps of biological variables. *Systematic Zoology* **38**:376–389.
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- [1.31] Barbujani G. and Sokal R.R. (1990) Zones of sharp genetic change in Europe are also linguistic boundaries. *Proceedings of the National Academy of Sciences USA* **87**:1816–1819.
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- [1.39] Barbujani G. and Sokal R.R. (1991) Genetic population structure of Italy. II. Physical and cultural barriers to gene flow. *American Journal of Human Genetics* **48**:398–411.
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- [1.41] Pigliucci M. and Barbujani G. (1991) Geographical patterns of gene frequencies in Italian populations of *Ornithogalum montanum* (Liliaceae). *Genetical Research* **58**:95–104.

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APPENDICE 3: COLLABORAZIONE EDITORIALE A RIVISTE SCIENTIFICHE

Editor-in-chief, *Human Population Genetics and Genomics*, 2018-2020.

Associate Editor, *Human Biology*, 1994-2010; *Human Heredity*, 2000-presente; *International Journal of Legal Medicine*, 2003-2007; *Journal of Evolutionary Biology*, 2004-2014

Ha svolto funzioni di referee per numerose riviste e istituzioni scientifiche, fra cui: *American Journal of Human Genetics*, *American Journal of Physical Anthropology*, *American Naturalist*, *Current Biology*, *Evolution*, *Genetics*, *Human Genetics*, *Human Genomics*, *Nature*, *Nature Genetics*, *PLOS-Biology*, *Proceedings of the National Academy of Sciences U.S.A.*, *Proceedings of the Royal Society – Biological Sciences*, *Science*, *Trends in Ecology and Evolution*.

APPENDICE 4: PARTECIPAZIONE A COMMISSIONI INTERNAZIONALI DI DOTTORATO DI RICERCA

1. Geoffrey M. Jacquez, *Implications of spatial autocorrelation in genetic and lake chemistry data*. State University of New York, Stony Brook, NY, USA, 1989.
2. Lounès Chikhi, *Differenciación génétique chez *Sardinella aurita* et *S. maderensis*. Allozymes et ADN mitochondrial*. Université Pierre et Marie Curie - Paris VI, France, 1995.
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