FORMATO EUROPEO PER IL CURRICULUM VITAE

INFORMAZIONI PERSONALI

Nome **GIARDINA EMILIANO**

Indirizzo Università degli Studi di Roma "Tor Vergata" - Facoltà di Medicina e Chirurgia, Dipartimento di Biomedicina e Prevenzione, via Montpellier, 1, 00133 Roma
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Nazionalità Italiana

Data e luogo di nascita ROMA, 16/04/1976

Titolo attuale Professore Associato in Genetica Medica

ESPERIENZA LAVORATIVA
Data (2001- 2019)

- Coordina la Piattaforma di Genomica della Rete degli Istituti IRCCS di Neuroscienze istituita dal Ministero della Salute
- Direttore del Laboratorio di Genetica Forense dell'Università degli Studi di Roma "Tor Vergata"
- Direttore del Laboratorio di Diagnostica di Laboratorio e Genomica Medica presso l'Istituto Fondazione Santa Lucia di Roma
- Membro titolare del tavolo permanente interforze ed interdisciplinare a supporto della Banca dati Nazionale del DNA
- Responsabile per la Biologia Forense presso l'Ordine Nazionale dei Biologi
- Coordinatore nazionale del Gruppo di Lavoro per la Genetica Forense istituito dalla SIGU (Società Italiana di Genetica Forense)
- Direttore del Master di secondo livello in Genetica Forense attivato presso l'Università di Roma "Tor Vergata"
- Responsabile delle attività di ricerca nell'ambito di un finanziamento Europeo

ATTIVITÀ SCIENTIFICA	finalizzato alla realizzazione di sistemi innovativi di identificazione personale e tipizzazione di tracce biologiche ad uso forense - Componente del nucleo di ricerca afferente al "Centro di Eccellenza per lo Studio del Rischio Genomico in Patologie Complesse Multifattoriali" istituito dal MIUR (Ministero dell'Istruzione, dell'Università e della Ricerca) presso la facoltà di Medicina e Chirurgia dell'Università "Tor Vergata" di Roma; - Partecipa al Consorzio Internazionale per lo studio della suscettibilità genetica alla psoriasi;
ATTIVITÀ DIDATTICA	- Insegna Genetica Medica per il corso di Laurea Specialistica di Biotecnologie Mediche presso l'Università degli studi di Roma "Tor Vergata" - Insegna Genetica Medica II per il corso di Laurea Specialistica di Biologia ed Evoluzione Umana presso l'Università degli studi di Roma "Tor Vergata" - Insegna Genetica Medica per il corso di Laurea in Biotecnologie istituito dalla Facoltà di Scienze Matematiche Fisiche e Naturali di Urbino - Insegna Genetica Oculare per la scuola di Specializzazione di Oftalmologia istituita presso l'Università degli studi di Roma "Tor Vergata" - Insegna Genetica Medica per la scuola di Specializzazione di Nefrologia istituita presso l'Università degli studi di Roma "Tor Vergata" - È docente del Master Universitario di I livello in Biotecnologie istituito dalla facoltà di Scienze Matematiche Fisiche e Naturali dell'Università di Urbino "Carlo Bo" - Insegna genetica medica nel dottorato di Immunologia e Biotecnologie Applicate istituito presso l'Università degli studi di Roma "Tor Vergata" - È direttore del Master di secondo livello in genetica forense, istituito presso l'Università degli Studi di Roma "Tor Vergata" - Insegna genetica forense nel Master Universitario di II livello in Genetica Forense istituito presso l'Università degli studi di Roma "Tor Vergata" - È docente del dottorato di Tecnologie Avanzate in Biomedicina istituito presso l'Università degli studi di Roma "Tor Vergata" - È responsabile di una rubrica permanente di biologia forense sulla rivista ufficiale dell'Ordine Nazionale dei Biologi - Organizza costantemente eventi di divulgazione scientifica nell'ambito della genetica forense e della diagnosi prenatale - È autore di un libro di testo ad uso universitario "Genetica Medica Pratica" (ed. Aracne) - È autore di diversi capitoli libri
ATTIVITÀ ASSISTENZIALE	È direttore del Dipartimento di Medicina Genomica e Diagnostica di Laboratorio - della Fondazione Santa Lucia IRCCS

ISTRUZIONE E FORMAZIONE *Date (2000 – 2019)*	2017: consegue l'abilitazione scientifica nazionale per la fascia di professore ordinario per il settore MED/03 Genetica Medica. 2016: chiamato dalla facoltà di Medicina e Chirurgia per il ruolo di Professore Associato per il settore scientifico disciplinare MED/03 Genetica Medica. 2014: consegue l'abilitazione scientifica nazionale per la fascia di professore associato per il settore MED/03 Genetica Medica. 2013: E' designato quale membro titolare del tavolo permanente interforze ed interdisciplinare a supporto della Banca dati Nazionale del DNA. 2013: E' direttore del Laboratorio di Genetica Molecolare della UILDM (Unione Italiana Lotta alla Distrofia Muscolare) sito presso l'Istituto Fondazione Santa Lucia di Roma. 2013: E' responsabile del Laboratorio di Genetica Forense dell'Università degli Studi di Roma "Tor Vergata". 2013: E' direttore e fondatore della Scuola Permanente di Biologia Forense istituita presso l'Università degli Studi di Roma "Tor Vergata" e finanziata dall'Ordine Nazionale dei Biologi. 2012: E' responsabile per la Biologia Forense presso l'Ordine Nazionale dei Biologi. 2012: E' coordinatore nazionale del Gruppo di Lavoro per la Genetica Forense istituito dalla SIGU (Società Italiana di Genetica Forense). 2011: co-direttore del Master di secondo livello di Genetica Forense attivato presso l'Università di Roma "Tor Vergata". 2010: Diploma di Specializzazione in genetica medica presso la scuola di specializzazione di genetica medica dell'università di Roma Tor Vergata. 2009: riceve il premio "cavalierato giovanile" quale giovane di talento per i contributi scientifici offerti nel campo della genetica medica. 2006: consegue il titolo di dottore di ricerca in fisiopatologia della morte cellulare. 2004: co-responsabile dell'attività di unità di ricerca nell'ambito di un finanziamento Europeo finalizzato alla realizzazione di sistemi innovativi di identificazione personale e tipizzazione di tracce biologiche ad uso forense. 2004: risulta vincitore di concorso per 1 posto di ricercatore universitario per il settore scientifico disciplinare MED/03 2001-oggi: responsabile delle analisi di genetica forense svolte dalla sezione di Genetica dell'Università degli Studi di Roma "Tor Vergata". 2000: consegue il diploma di Laurea in Scienze Biologiche con la votazione di 110 su 110 e lode discutendo una tesi sperimentale dal titolo "Analisi molecolare di una forma dominante di gozzo multinodulare", relatore Prof.ssa Caterina Tanzarella; correlatore il professor Giuseppe Novelli.
• Nome e tipo di istituto di istruzione o formazione	*Università degli studi di Roma "Tor Vergata" e "Roma Tre"*
• Principali materie / abilità professionali oggetto dello studio	*Medicina Genomica, Genetica Medica, Diagnosi Prenatale, Genetica forense*
CAPACITÀ E COMPETENZE PERSONALI	
MADRELINGUA	**ITALIANO**
ALTRE LINGUA	
	INGLESE
• *Capacità di lettura*	BUONO
• *Capacità di scrittura*	BUONO
• Capacità di espressione orale	BUONO
CAPACITÀ E COMPETENZE	OTTIME CAPACITÀ RELAZIONALI ACQUISITE DURANTE IL PERCORSO DI FORMAZIONE

RELAZIONALI

CAPACITÀ E COMPETENZE ORGANIZZATIVE

OTTIME CAPACITÀ ORGANIZZATIVE ACQUISITE GRAZIE ALLA GESTIONE DI PERSONE, PROGETTI E BILANCI

CAPACITÀ E COMPETENZE TECNICHE

OTTIME CAPACITÀ NELL'UTILIZZO DI COMPUTER ED ATTREZZATURE SPECIFICHE. CONOSCENZA DI TUTTI I PROTOCOLLI APPLICATI ED UTILIZZATI DURANTE IL PERCORSO LAVORATIVO

PATENTE O PATENTI

Patente di guida B

ULTERIORI INFORMAZIONI

Pubblicazioni scientifiche su riviste internazionali e nazionali, comunicazioni a congressi, monografie e capitoli di libri

Parametri bibliometrici (google scholar): Totale numero di pubblicazioni internazionali: 192

H index: 43

Numero di citazioni: 8025

PUBBLICAZIONI SU RIVISTE INTERNAZIONALI

1. Capon F, Tacconelli A, Giardina E, Sciacchitano S, Bruno R, Trischitta V, Tassi V, Filetti S, Dallapiccola B, Novelli G. Mapping a dominant form of multinodular goiter to chromosome Xp22. Am J Hum Genet. 2000 Oct;67(4):1004-7.

2. Giardina E, Capon F, D'Apice MR, Amati F, Arturi F, Filetti S, Bonifazi E, Pucci S, Conte C, Novelli G. Mutational analysis of Peroxiredoxin IV: exclusion of a positional candidate for multinodular goitre. BMC Medical Genetics 2002, 23 July, 3:5.

3. Semprini S, Capon F, Tacconelli A, Giardina E, Orecchia A, Mingarelli R, Gobello T, Zambruno G, Botta A, Fabrizi G, Novelli G. Evidence for differential S100 gene over-expression in psoriatic patients from genetically heterogeneous pedigrees. Hum Genet. 2002 Oct;111(4-5):310-3

4. Borgiani P, Vallo L, D'Apice MR, Giardina E, Pucci S, Capon F, Nistic S, Chimenti S, Pallone F, Novelli G. Exclusion of CARD15/NOD2 as a candidate susceptibility gene to psoriasis in the Italian population. Eur J Dermatol. 2002 Nov-Dec;12(6): 540-2

5. Novelli G, Borgiani P, Giardina E, Mango R, Contino G, Romeo F, Mehta JL. Role of genetics in prevention of coronary atherosclerosis. Curr Opin Cardiol. 2003 Sep;18(5):368-371.

6. Mango R,Clementi F, Borgiani P, Forleo GB, Federici M, Contino G, Giardina E, Garza L, Fahdi IE, Lauro R, Mehta JL, Novelli G, Romeo F. Association of single nucleotide polymorphisms in the oxidised LDL receptor 1(OLR1) gene in patients with acute myocardial infarction. J Med Genet. 2003 Dec;40(12):933-6.

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8. E. Giardina, F. Capon, MC. DE Rosa, R. Mango, G. Zambruno, A. Orecchia, S. Chimenti,B. Giardina ,G. Novelli. Characterization of the Loricrin (LOR) Gene as a Positional Candidate for the PSORS4 Psoriasis Susceptibility locus. Ann Hum Genet. 2004 Nov;68(Pt 6):639-45

9. E. Giardina, G. Novelli, A. Costanzo, S. Nistico`, C. Bulli, C. Sinibaldi, M.L. Sorgi, S. Chimenti, F. Pallone, E. Taccari, P. Borgiani. Psoriatic Arthritis and CARD15 Gene Polymorphisms: No Evidence for Association in the Italian Population. J Invest Dermatol 2004 May;122(5):1106-7

10. E. Giardina, C. Sinibaldi, G. Novelli. The Psoriasis Genetics as a Model of Complex Disease. Curr Drug Targets Inflamm Allergy, 2004, 3, 129-136. Jun;3(2):129-36.

11. Emanuela Bonifazi, Laura Vallo, Emiliano Giardina, Annalisa Botta and Giuseppe Novelli. A Long PCR-Based Molecular Protocol for Detecting Normal and Expanded ZNF9 Alleles in Myotonic Dystrophy Type 2. Diagn Mol Pathos, 2004 Sep;13(3):164-166.

12. Giuseppe Novelli, Emiliano Giardina. The Genetics of Psoriasis. In Recent Research Developments in Genetics; Research Signpost, T. C. 37/661(2), Fort Post Office, Trivandrum - 695023, Kerala, India.

13. Sangiuolo F, Filareto A, Giardina E, Nardone AM, Pilu G, Pietropolli A, Bertini E, Novelli G. Prenatal diagnosis of spinal muscular atrophy with respiratory di stress (SMARD1) in a twin pregnancy. Prenat Diagn, 2004 Oct;24(10):839-41.

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15. Capon F and Giardina E. The Long and winding road: searching for non-MHC psoriasis Susceptibility

Loci. Curr Genomics, 2005; (6): 45-49.

16. Botta A, Tacconelli A, Bagni I, Giardina E, Bonifazi E, Pietropolli A, Clementi M, Novelli G. Transmission ratio distortion in the spinal muscular atrophy locus: data from 314 prenatal tests. Neurology, 2005; 65(10):1631-1635.

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24. Giardina E, Pietrangeli I, Martone C, Asili P, Predazzi I, Marsala P, Gabriele L, Pipolo C, Ricci O, Solla G, Sineo L, Spinella A, Novelli G. In silico and in vitro comparative analysis to select, validate and test SNPs for human identification. BMC Genomics. 2007 Dec 12;8(1):457

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32. Giardina E, Pietrangeli I, Martone C, Zampatti S, Marsala P, Gabriele L, Ricci O, Solla G, Asili P, Arcudi G, Spinella A, Novelli G. Whole genome amplification and real-time PCR in forensic casework. BMC Genomics. 2009 Apr 14;10(1):159.

33. Pietrangeli I, Caruso V, Veneziano L, Spinella A, Arcudi G, Giardina E, Novelli G. Forensic DNA challenges: replacing numbers with names of Fosse Ardeatine's victims. J Forensic Sci. 2009 Jul;54(4):905-8.

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43. Amy Strange, Francesca Capon, Chris CA Spencer, Jo Knight, Michael E Weale, Michael H Allen, Anne Barton, Gavin Band, Céline Bellenguez, Judith GM Bergboer, Jenefer M Blackwell, Elvira Bramon, Suzannah J Bumpstead, Juan P Casas, Michael J Cork, Aiden Corvin, Panos Deloukas, Serge Dronov, Audrey Duncanson, Sarah Edkins, Xavier Estivill, Oliver Fitzgerald, Colin Freeman, Emiliano Giardina, Emma Gray, Angelika Hofer, Ulrike Hüffmeier, Sarah E Hunt, Alan D Irvine, Janusz Jankowski, Brian Kirby, Cordelia Langford, Jesús Lascorz, Joyce Leman, Lotus Mallbris, Hugh S Markus, Christopher G Mathew, WH Irwin McLean, Ross McManus, Rotraut Mössner, Åsa T Naluai, Frank O Nestle, Giuseppe Novelli, Alexandros Onoufriadis, Colin NA Palmer, Carlo Perricone, Matti Pirinen, Robert Plomin, Ramon M Pujol, Anna Rautanen, Eva Riveira-Munoz, Anthony W Ryan, Wolfgang Salmhofer, Lena Samuelsson, Stephen J Sawcer, Joost Schalkwijk, Catherine H Smith, Mona Ståhle, Rachid Tazi-Ahnini, Heiko Traupe, Ananth C Viswanathan, Richard B Warren, Wolfgang Weger, Katarina Wolk, Nicholas

Wood, Jane Worthington, Helen S Young, Patrick LJM Zeeuwen, Adrian Hayday, A David Burden, Christopher EM Griffiths, Juha Kere, André Reis, David Evans, Matthew A Brown, Jonathan N Barker, Leena Peltonen, Peter Donnelly and Richard C Trembath. Identification of novel psoriasis susceptibility

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Autorizzo il trattamento dei miei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali”, e ai sensi degli articoli 13 e 14 del Regolamento UE 2016/679.

Roma, 03 marzo 2025

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