F OR M AT O E UR OPE O PE R I
L C U RR I C U L U MVI TA E

INFORMAZIONI PERSONALI

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Titolo attuale Professore Associato in Genetica Medica

ESPERIENZA LAVORATIVA
Data (2001- 2022)

- Coordina con il Prof. Carlo Caltagirone 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 Medicina Genomica della UILDM (Unione Italiana Lotta alla Distrofia Muscolare) sito 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 istituitodalla 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 finalizzato alla realizzazione di sistemi innovativi di identificazione personale e

tipizzazione di tracce biologiche ad uso forense

ATTIVITÀ SCIENTIFICA

- 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"
- E' docente del Master Universitario di I livello in Biotecnologie istituito dalla facoltà di Scienze Matematiche Fisiche e Naturali dell'Università di Urbino "CarloBo"
- Insegna genetica medica nel dottorato di Immunologia e Biotecnologie Applicateistituito presso l'Università degli studi di Roma "Tor Vergata"
- E' 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 Forenseistituito presso l'Università degli studi di Roma "Tor Vergata"
- E' docente del dottorato di Tecnologie Avanzate in Biomedicina istituito presso l'Università degli studi di Roma "Tor Vergata"
- E' responsabile di una rubrica permanente di biologia forense sulla rivistaufficiale dell'Ordine Nazionale dei Biologi
- Organizza costantemente eventi di divulgazione scientifica nell'ambito dellagenetica forense e della diagnosi prenatale
- E' autore di un libro di testo ad uso universitario "Genetica Medica Pratica" (ed.Aracne)
- E' autore di diversi capitoli libri

ATTIVITÀ ASSISTENZIALE

- E' direttore del Laboratorio di Medicina Genomica della UILDM
- Effettua: diagnosi molecolare di patologie mendeliane in epoca pre e post-natale

ISTRUZIONE E FORMAZIONE *Date (2000 – 2019)*	2016: chiamato dalla facoltà di Medicina e Chirurgia per il ruolo di ProfessoreAssociato per il settore scientifico disciplinare MED/03 Genetica Medica. 2014: consegue l'abilitazione scientifica nazionale per la fascia di professore associatoper 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 ItalianaLotta alla Distrofia Muscolare) sito presso l'Istituto Fondazione Santa Lucia di Roma. 2013: E' responsabile del Laboratorio di Genetica Forense dell'Università degli Studi diRoma "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 Nazionaledei 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 istituitodalla 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 dispecializzazione di genetica medica dell'università di Roma Tor Vergata. 2009: riceve il premio "cavalierato giovanile" quale giovane di talento per i contributiscientifici 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 finanziamentoEuropeo finalizzato alla realizzazione di sistemi innovativi di identificazione personalee tipizzazione di tracce biologiche ad uso forense. 2004: risulta vincitore di concorso per 1 posto di ricercatore universitario per il settorescientifico 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* • *Principali materie / abilità professionali oggetto dello studio*	*Università degli studi di Roma "Tor Vergata" e "Roma Tre"* *Medicina Genomica, Genetica medica, Diagnosi Prenatale, Genetica forense*
CAPACITÀ E COMPETENZE PERSONALI	
MADRELINGUA	**ITALIANO**
ALTRE LINGUA	
• *Capacità di lettura* • *Capacità di scrittura* • Capacità di espressione orale	**INGLESE** OTTIMO OTTIMO OTTIMO
CAPACITÀ E COMPETENZE RELAZIONALI	OTTIME CAPACITÀ RELAZIONALI ACQUISITE DURANTE IL PERCORSO DI FORMAZIONE
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

Parametri bibliometrici (google scholar): Totale numero di pubblicazioni: >100

H index: 35
Numero di citazioni: 5510

PUBBLICAZIONI SU RIVISTE INTERNAZIONALI

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2. Giardina E, et al., Mutational analysis of Peroxiredoxin IV: exclusion of a positional candidate for multinodular goitre. BMC Medical Genetics 2002,23 July, 3:5.
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5. Novelli G, et al., Role of genetics in prevention of coronary atherosclerosis. Curr Opin Cardiol. 2003 Sep;18(5):368-371.
6. Mango R, et al., 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.
7. Novelli G, et al., (2003). Insight into genetics of atopic dermatitis: Future approaches and directions. Journal of Investigative Dermatology, 121(5), 1265-1265.
8. Giardina E, et al., 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. Giardina E, et al., Psoriatic Arthritis and CARD15 Gene Polymorphisms: No Evidence for Association in the Italian Population.J Invest Dermatol 2004 May;122(5):1106-7
10. Giardina E, et al., The Psoriasis Genetics as a Model of Complex Disease. Curr Drug Targets Inflamm Allergy, 2004, 3, 129-136. Jun;3(2):129-36.
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13. Sangiuolo F, et al.,. 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.
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exercise. Forensic Sci Int Genet. 2015Mar;15:56-63.
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