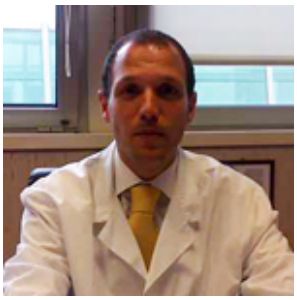
University of Rome "Tor Vergata"

DIDACTIC-SCIENTIFIC CURRICULUM OF PROF. EMILIANO GIARDINA

PERSONAL DATA



Name and Surname: Emiliano Giardina
Place and date of birth: Rome, 16-04-1976
Current position: Professor of Medical and Forensic Genetics at the University of Rome "Tor Vergata"
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SCIENTIFIC AND DIDACTIC ACTIVITY

Academic and educational qualifications:
2015: Associate Professor in Medical Genetics (sector MED/03)
2010: Specialization Degree in Medical Genetics
2006: Phd in Cellular Death Physiopathology
2004: University Researcher in the Disciplinary Scientific Sector MED/03
2000: Degree certificate in Biological Sciences

BIBLIOMETRIC PARAMERTERS

Number of scientific publications >80
H index: 26
Number of citations: 3126

Professional and teaching activities:
- Director of the Forensic Genetics Laboratory in the University of Rome "Tor Vergata".
- Director of the Genomic Medicine Laboratory of UILDM in Santa Lucia Foundation in Rome.
- Director of the II Level Master Degree in "Forensic Genetics" in the University of Rome "Tor Vergata",
- Director and Founder of the Permanent School of Forensic Biology instituted at the University of Rome "Tor Vergata" and funded by the National Association of Biologists
- National Coordinator of the Forensic Genetics Work Group of Italian Society of Human Genetics
- Permanent Member of the group interdisciplinary for the Italian National DNA Database.
- Head of Forensic Biology section at the Italian Association of Biologists
- Lecturer of Medical Genetics of the Master Degree in Medicine and Surgery at the University of Rome "Tor Vergata".
- Lecturer of Medical Genetics of the Master Degrees in "Medical Biotechnology" at the University of Rome "Tor Vergata".
- Lecturer of "Biology and Human Evolution" at the University of Rome "Tor Vergata".
- Lecturer of Medical Genetics of the Bachelor Degree in "Biotechnology" at the University of Urbino "Carlo Bo".
- Lecturer of Optogenetics of the Ophthalmology Specialization School at the University of Rome "Tor Vergata".

- Lecturer of Medical Genetics of the Nephrology Specialization School at the University of Rome "Tor Vergata".
- Lecturer of "Immunology and Applied Biotechnologies" PhD and "Advanced Technologies in Biomedicine" PhD in the University of Rome "Tor Vergata".

Scientific activity (2001-2017):
- Member of the research group of the "Excellence Centre for the study of genomic risk in multifactorial complex Diseases" in the University of Rome "Tor Vergata".
- Participation to the International Consortium for the study of Genetic Susceptibility to Psoriasis.
- Participation to the COFIN 2003 Project "Study of the Expression of the genes mapped in the PSORS1 and PSORS4 regions and other genes involved in psoriasis pathogenesis".
- Participation to the "NACBO" European Project concerning the application of nano-biotechnologies in health-care and forensic fields.
- Collaboration with the Forensic Medicine department of the University of Rome "Tor Vergata" to develop projects in the field of forensic genetics.
- Collaboration with CNR for the "Study of the Molecular Recognition Chemistry", concerning the computational prediction of the impact of genetic variants on the protein folding.

Awards for research activity: "Youth Knighthood" Award for the scientific contributions offered in the field of medical genetics (2009).

RESEARCH ACTIVITY:

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.
7. Novelli, G., Giardina, E., Paradisi, M., Pedicelli, C., Girolomoni, G., Nasorri, F., et al. (2003). Insight into genetics of atopic dermatitis: Future approaches and directions. Journal of Investigative Dermatology, 121(5), 1265-1265.
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.
14. Elder JT; Cluster 17 Collaboration. Fine mapping of the psoriasis susceptibility gene PSORS1: a reassessment of risk associated with a putative risk haplotype lacking HLA-Cw6. J Invest Dermatol, 2005 May; 124(5):921-30.
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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26. Giardina E, Predazzi I, Pietrangeli I, Asili P, Marsala P, Gabriele L, Pipolo C, Ricci O, S Martone C, Spinella A, Novelli G. Frequency assessment of SNPs for forensic identification in different populations. FSIGEN 2007 Dec;1(3-4):e1-3.

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risk allele for psoriatic arthritis independent of the PSORS1 locus. Arthritis Rheum. 2011 Dec;63(12):3801-6. IF= 8.4

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