

Maria Rosaria D'Apice  
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## **POSIZIONE**

Biologo Professionista, UOC Laboratorio di Genetica Medica, Policlinico Universitario Tor Vergata, Roma

## **ISTRUZIONE**

1993: Laurea in Scienze Biologiche presso l'Università degli Studi di Napoli "Federico II" con voto 110/110 e lode.

2000: Diploma di Specializzazione in Genetica Medica presso l'Università degli Studi di Roma "La Sapienza" con voti 70/70.

2017: Abilitazione Nazionale Settore Concorsuale: 06/A1, II Fascia.

## **ATTIVITA' DIDATTICA**

Dall'Anno Accademico 2003/2004 ad oggi svolge il corso di Genetica Medica per i seguenti Corsi di Laurea triennali:

- Laurea di Dietistica presso l'Università degli Studi di Roma Tor Vergata;
- Laurea di Tecnico di Laboratorio Biomedico presso l'Università degli Studi di Roma Tor Vergata. E' responsabile del tirocinio degli studenti e correlatore di tesi in varie sessioni di laurea.

Dall'Anno Accademico 2011/2012 ad oggi è Coordinatore del Corso Integrato di scienze Biomediche e svolge il corso di Genetica Medica per il Corso di Laurea in Tecnici della Prevenzione presso l'Università degli Studi di Roma Tor Vergata.

Dall'Anno Accademico 2018-2019 svolge attività di docenza per la Scuola di Specializzazione di Genetica Medica dell'Università degli Studi di Roma Tor Vergata.

## **ATTIVITA' SCIENTIFICA**

L'attività di ricerca della Dott.ssa Maria Rosaria D'Apice è documentata da 76 pubblicazioni in peer-reviewed giornali per un totale di citazioni di 2493 e con un h-index di 23 (Scopus).

Questa attività si è prevalentemente concentrata nel campo della genetica medica con particolare riferimento i) all'identificazione di nuovi geni e nuove mutazioni causa di sindromi progeroidi quali Displasia Mandibuloacrale di tipo A e B, Acrogeria tipo Gottron, Displasia mandibuloacrale associata a sordità e lipodistrofia (MDPL) e sindromi progeroidi atipiche; ii) alla comprensione delle loro basi molecolari, alla definizione dei meccanismi patogenetici e allo sviluppo di approcci terapeutici per i pazienti e iii) allo sviluppo di protocolli innovativi per le analisi diagnostiche di routine di varie malattie genetiche.

Ha partecipato adifferenti progetti di ricerca sempre relativi alle sindromi progeroidi finanziate da telethon, Aifa, MIUR e altre istituzioni mnazionale ed internazionali.

E' reviewer per differenti riviste scientifiche.

Dal 2016, è membro del Network Italiano delle Laminopatie (NIL)

Membro della Società Italiana di Genetica Umana (SIGU)

## PUBBLICAZIONI

1. Amati F, Vancheri C, Latini A, Colona VL, Grelli S, D'Apice MR, Balestrieri E, Passarelli C, Minutolo A, Loddo S, Di Lorenzo A, Rogliani P, Andreoni M, Novelli G. Expression profiles of the SARS-CoV-2 host invasion genes in nasopharyngeal and oropharyngeal swabs of COVID-19 patients. *Heliyon*. 2020 Oct;6(10):e05143. doi: 10.1016/j.heliyon.2020.e05143. Epub 2020 Oct 1.
2. Novelli A, Biancolella M, Borgiani P, Cocciadiferro D, Colona VL, D'Apice MR, Rogliani P, Zaffina S, Leonardis F, Campana A, Raponi M, Andreoni M, Grelli S, Novelli G. Analysis of ACE2 genetic variants in 131 Italian SARS-CoV-2-positive patients. *Hum Genomics*. 2020 Sep 11;14(1):29. doi: 10.1186/s40246-020-00279-z.
3. Fontana L, Santoro M, D'Apice MR, Peluso F, Gori G, Morrone A, Novelli G, Dosa L, Botta A. Identification, molecular characterization and segregation analysis of a variant DMPK pre-mutation allele in a three-generation Italian family. *Acta Myol*. 2020 Mar 1;39(1):13-18. doi: 10.36185/2532-1900-002.
4. Cappelletti C, Tramacere I, Cavalcante P, Schena E, Politano L, Carboni N, Gambineri A, D'Amico A, Ruggiero L, Ricci G, Siciliano G, Boriani G, Mongini TE, Vercelli L, Biagini E, Ziacchi M, D'Apice MR, Lattanzi G, Mantegazza R, Maggi L, Bernasconi P. Cytokine Profile in Striated Muscle Laminopathies: New Promising Biomarkers for Disease Prediction. *Cells*. 2020 Jun 23;9(6):1532. doi: 10.3390/cells9061532.
5. Nappo S, Mannucci L, Novelli G, Sangiuolo F, D'Apice MR, Botta A. Carrier frequency of CFTR variants in the non-Caucasian populations by genome aggregation database (gnomAD)-based analysis. *Ann Hum Genet*. 2020 Nov;84(6):463-468. doi: 10.1111/ahg.12396.
6. Biancolella M, Testa B, Baghernajad Salehi L, D'Apice MR, Novelli G. Genetics and Genomics of Breast Cancer: update and translational perspectives. *Semin Cancer Biol*. 2020 Apr 4:S1044-579X(20)30079-1. doi: 10.1016/j.semcancer.2020.03.013.
7. von Schnurbein J, Adams C, Akinci B, Ceccarini G, D'Apice MR, Gambineri A, Hennekam RCM, Jeru I, Lattanzi G, Miehle K, Nagel G, Novelli G, Santini F, Santos Silva E, Savage DB, Sbraccia P, Schaaf J, Sorkina E, Tanteles G, Vantyghem MC, Vatier C, Vigouroux C, Verona E, Araújo-Vilar D, Wabitsch M. European lipodystrophy registry: background and structure. *Orphanet J Rare Dis*. 2020 Jan 15;15(1):17. doi: 10.1186/s13023-020-1295-y.
8. Zaghini A, Sarli G, Barboni C, Sanapo M, Pellegrino V, Diana A, Linta N, Rambaldi J, D'Apice MR, Murdocca M, Baleani M, Baruffaldi F, Fognani R, Mecca R, Festa A, Papparella S, Paciello O, Prisco F, Capanni C, Loi M, Schena E, Lattanzi G, Squarzoni S. Long term breeding of the Lmna G609G progeric mouse: Characterization of homozygous and heterozygous models. *Exp Gerontol*. 2020 Feb;130:110784.
9. von Schnurbein J, Adams C, Akinci B, Ceccarini G, D'Apice MR, Gambineri A, Hennekam RCM, Jeru I, Lattanzi G, Miehle K, Nagel G, Novelli G, Santini F, Santos Silva E, Savage DB, Sbraccia P, Schaaf J, Sorkina E, Tanteles G, Vantyghem MC, Vatier C, Vigouroux C, Verona E, Araújo-Vilar D, Wabitsch M. European lipodystrophy registry: background and structure. *Orphanet J Rare Dis*. 2020 Jan 15;15(1):17.
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11. Gargiuli C, Schena E, Mattioli E, Columbaro M, D'Apice MR, Novelli G, Greggi T, and Lattanzi G. Lamins and bone disorders: current understanding and perspectives. *Oncotarget*

- 2018 9(32): 22817–22831.
12. Cenni V, D'Apice MR, Garagnani P, Columbaro M, Novelli G, Franceschi C, Lattanzi G. Mandibuloacral dysplasia: A premature ageing disease with aspects of physiological ageing. *Ageing Res Rev*. 2018 Mar;42:1-13.
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  17. Dell'Edera D, Sarlo F, Allegretti A, Epifania AA, Simone F, Lupo MG, Benedetto M, D'Apice MR, Capalbo A. Prevention of neural tube defects and maternal gestational diabetes through the inositol supplementation: preliminary results. *Eur Rev Med Pharmacol Sci*. 2017 Jul;21(14):3305-3311.
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