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INCARICO ATTUALE

Dirigente Sanitario Biologo a tempo indeterminato con incarico di alta specialità presso la UOC di Chimica, Biochimica e Biologia Molecolare Clinica della Fondazione Policlinico Universitario A. Gemelli, IRCCS Roma.

ISTRUZIONE E FORMAZIONE

16/06/2014 Abilitazione Scientifica Nazionale Seconda Fascia Settore Disciplinare 05/E1 Biochimica Generale e Biochimica Clinica. (Validità:16/06/2014-16/06/2025).

27/03/2015 Conseguimento del titolo di Dottore di Ricerca in Biochimica e Biologia Molecolare Clinica, Università Cattolica del Sacro Cuore, Roma. Voto:50/50 e lode

Tesi: Concolino P, Mello E, Minucci A, Giardina B, Capoluongo E. Genes, pseudogenes and like genes: the case of 21-hydroxylase in Italian population. Clin Chim Acta. 2013 Sep 23;424:85-9. doi: 10.1016/j.cca.2013.05.019.

31/10/2009 Conseguimento del Diploma di Specializzazione in Patologia Clinica, Università degli Studi di Roma "La Sapienza" Voto:70/70 e lode

Tesi: Concolino P. et al. A new CYP21A1P/CYP21A2 chimeric gene identified in an Italian woman suffering from classical congenital adrenal hyperplasia form. BMC Med Genet. 2009 Jul 22;10:72. doi: 10.1186/1471-2350-10-72.

16/01 /2007 Abilitazione all'esercizio della Professione di Biologo, Università "La Tuscia", Viterbo.

18/07/2003 Laurea in Scienze Biologiche (indirizzo BIOTECNOLOGICO), Università degli Studi di Roma "La Sapienza". Voto:110/110 e lode.

Tesi: Concolino P. et al. The unsolved enigma of CDH1 down-regulation in hereditary diffuse gastric cancer. J Surg Res. 2004 Sep;121(1):50-5. DOI: 10.1016/j.jss.2004.03.008

ESPERIENZA LAVORATIVA

01/01/2020-ad oggi Dirigente Biologo a tempo indeterminato con incarico di alta specialità presso la UOC di Chimica, Biochimica e Biologia Molecolare Clinica della Fondazione Policlinico Universitario A. Gemelli, IRCCS Roma.

01/06/2013-01/01/2020 Dirigente Biologo a tempo indeterminato presso la UOC di Chimica, Biochimica e Biologia Molecolare Clinica della Fondazione Policlinico Universitario A. Gemelli, IRCCS Roma.

01/11/2008-31/12/2012 Dirigente Biologo a tempo determinato, presso UOC di Chimica, Biochimica e Biologia Molecolare Clinica della Fondazione Policlinico Universitario A. Gemelli, IRCCS Roma.

ATTIVITA' DIDATTICA

Incarico di insegnamento- METABOLOMICA presso la FACOLTA' DI MEDICINA E CHIRURGIA "A.GEMELLI" nel Dottorato in SCIENZE BIOMEDICHE DI BASE E SANITA' PUBBLICA presso la sede di Roma dell'Università Cattolica del Sacro Cuore a.a. 2023/2024-2024/2025

Incarico di insegnamento- BIOCHIMICA E BIOLOGIA MOLECOLARE CLINICA presso la FACOLTA' DI SCIENZE nel Corso di Laurea magistrale in Biologia Molecolare, Cellulare E Della Salute presso Università degli Studi Roma Tre, Roma a.a. 2024/2025

Incarico di insegnamento - LABORATORIO DI BIOCHIMICA E BIOLOGIA MOLECOLARE CLINICA presso la FACOLTA' DI MEDICINA E CHIRURGIA "A. GEMELLI" nel Corso di Laurea magistrale in BIOTECNOLOGIE PER LAMEDICINA PERSONALIZZATA presso la sede di Roma dell'Università Cattolica del Sacro Cuore a.a. 2020/2021; 2021/2022; 2022/2023; 2023/2024; 2024/2025

Incarico di insegnamento - BIOLOGIA MOLECOLARE CLINICA presso la FACOLTA' DI MEDICINA E CHIRURGIA "A. GEMELLI" nel Corso di Laurea triennale in Tecniche di laboratorio biomedico (abilitante alla professione sanitaria di Tecnico di laboratorio biomedico) presso la sede di Roma dell'Università Cattolica del Sacro Cuore a.a 2023/2024; 2024/2025

Incarico insegnamento - NUOVE TECNOLOGIE DIAGNOSTICHE PER L'ANALISI GENOMICA presso la FACOLTA' DI MEDICINA E CHIRURGIA "A.GEMELLI" nel Corso di Laurea triennale in Biotecnologie sanitarie presso la sede di Roma dell'Università Cattolica del Sacro Cuore a.a. . 2018/2019; 2019/2020.

PUBBLICAZIONI SCIENTIFICHE

1: Concolino P, De Paolis E, Rinelli M, Maneri G, Brisighelli F, Trozzi R, Duranti S, Giacò L, Piane M, Preziosi A, Panfili A, Scambia G, Nero C, De Bonis M, Minucci A. Identification of a False-positive Multiplex Ligation dependent Probe Amplification Result in BRCA1 Using a Copy Number Variation Algorithm Under Development for a Commercial Next-Generation Sequencing-based Homologous Recombination Deficiency Assay. Ann Lab Med. 2024 May 31. doi: 10.3343/alm.2024.0051. Epub ahead of print. PMID: 38826062.

2: Concolino P. Challenging Molecular Diagnosis of Congenital Adrenal Hyperplasia (CAH) Due to 21-Hydroxylase Deficiency: Case Series and Novel Variants of CYP21A2 Gene. Curr Issues Mol Biol. 2024 May 16;46(5):4832-4844. doi: 10.3390/cimb46050291. PMID: 38785559; PMCID: PMC11119849.

3: Concolino P. Chimeric Genes Causing 11β-Hydroxylase Deficiency: Implications in Clinical and Molecular Diagnosis. Mol Diagn Ther. 2024 Mar;28(2):215-224. doi: 10.1007/s40291-024-00697-y. Epub 2024 Feb 7. PMID: 38324138.

4: Pasquetti D, Gazzellone A, Rossi S, Orteschi D, L'Erario FF, Concolino P, Minucci A, Dionisi-Vici C, Genuardi M, Silvestri G, Chiurazzi P. Triple Genetic

Diagnosis in a Patient with Late-Onset Leukodystrophy and Mild Intellectual Disability. Int J Mol Sci. 2023 Dec 29;25(1):495. doi: 10.3390/ijms25010495. PMID: 38203665; PMCID: PMC10778870.

5: De Paolis E, Tilocca B, Lombardi C, De Bonis M, Concolino P, Onori ME, Ricciardi Tenore C, Perrucci A, Roncada P, Capoluongo E, Urbani A, Minucci A, Santonocito C. Next-Generation Sequencing for Screening Analysis of Cystic Fibrosis: Spectrum and Novel Variants in a South-Central Italian Cohort. Genes (Basel). 2023 Aug 11;14(8):1608. doi: 10.3390/genes14081608. PMID: 37628659; PMCID: PMC10454170.

6: Concolino P, Perrucci A, Carrozza C, Urbani A. Genetic Characterization of a Cohort of Italian Patients with Congenital Adrenal Hyperplasia Due to 21-Hydroxylase Deficiency. Mol Diagn Ther. 2023 Sep;27(5):621-630. doi: 10.1007/s40291-023-00666-x. Epub 2023 Aug 7. PMID: 37548905.

7: Concolino P, De Paolis E, Moffa S, Onori ME, Soldovieri L, Ricciardi Tenore C, De Bonis M, Rabacchi C, Santonocito C, Rinelli M, Calandra S, Giaccari A, Urbani A, Minucci A. Identification and Molecular Characterization of a Novel Large-Scale Variant (Exons 4_18 Loss) in the LDLR Gene as a Cause of Familial Hypercholesterolaemia in an Italian Family. Genes (Basel). 2023 Jun 16;14(6):1275. doi: 10.3390/genes14061275. PMID: 37372455; PMCID: PMC10298720.

8: Concolino P, Tartaglione L, De Paolis E, Carrozza C, Urbani A, Minucci A, Pitocco D, Santonocito C. A Novel GCK Large Genomic Rearrangement in a Patient with MODY-2 Detected by Clinical Exome Sequencing. Genes (Basel). 2022 Nov 13;13(11):2104. doi: 10.3390/genes13112104. PMID: 36421779; PMCID: PMC9690203.

9: Rossi S, Concolino P, Di Natale D, Pasquetti D, Di Lella GM, Chiurazzi P, Silvestri G. Clinical Reasoning: A Young Man With Subacute Onset of Spastic Paraparesis. Neurology. 2023 Jan 24;100(4):199-205. doi: 10.1212/WNL.0000000000201516. Epub 2022 Oct 27. PMID: 36302663.

10: Cera G, Locantore P, Novizio R, Maggio E, Ramunno V, Corsello A, Policola C, Concolino P, Paragliola RM, Pontecorvi A. Pregnancy and Prenatal Management of Congenital Adrenal Hyperplasia. J Clin Med. 2022 Oct 19;11(20):6156. doi: 10.3390/jcm11206156. PMID: 36294476; PMCID: PMC9605322.

11: Pavese F, Capoluongo ED, Muratore M, Minucci A, Santonocito C, Fuso P, Concolino P, Di Stasio E, Carbognin L, Tiberi G, Garganese G, Corrado G, Di Leone A, Generali D, Fragomeni SM, D'Angelo T, Franceschini G, Masetti R, Fabi A, Mulè A, Santoro A, Belli P, Tortora G, Scambia G, Paris I. BRCA Mutation Status in Triple-Negative Breast Cancer Patients Treated with Neoadjuvant Chemotherapy: A Pivotal Role for Treatment Decision-Making. Cancers (Basel). 2022 Sep 21;14(19):4571. doi: 10.3390/cancers14194571. PMID: 36230495; PMCID: PMC9559391.

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13: Concolino P, Falhammar H. CAH-X Syndrome: Genetic and Clinical Profile. Mol Diagn Ther. 2022 May;26(3):293-300. doi: 10.1007/s40291-022-00588-0. Epub 2022 Apr 27. PMID: 35476220.

14: De Paolis E, Marchetti C, Concolino P, Scambia G, Urbani A, Fagotti A, Minucci A. A commentary on the discrepancy between blood and tumour BRCA testing: An open question. BJOG. 2022 Aug;129(9):1422-1426. doi: 10.1111/1471-0528.17158. Epub 2022 Apr 5. PMID: 35319826; PMCID: PMC9543799.

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Scambia G, Urbani A, Minucci A. Tumor BRCA testing in ovarian cancer and EQA scheme: our experience of a critical evaluation. Mol Biol Rep. 2021 Dec;48(12):8203-8209. doi: 10.1007/s11033-021-06812-0. Epub 2021 Oct 13. PMID: 34643925; PMCID: PMC8604882.

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19: De Angelis C, Nardelli C, Concolino P, Pagliuca M, Setaro M, De Paolis E, De Placido P, Forestieri V, Scaglione GL, Ranieri A, Lombardo B, Pastore L, De Placido S, Capoluongo E. Case Report: Detection of a Novel Germline PALB2 Deletion in a Young Woman With Hereditary Breast Cancer: When the Patient's Phenotype History Doesn't Lie. Front Oncol. 2021 Feb 24;11:602523. doi: 10.3389/fonc.2021.602523. PMID: 33718150; PMCID: PMC7943848.

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Ehrencrona H, Enders U, Evans DG, Farra C, Faust U, Felbor U, Feroce I, Fine M, Foulkes WD, Galvao HCR, Gambino G, Gehrig A, Gensini F, Gerdes AM, Germani A, Giesecke J, Gismondi V, Gómez C, Gómez Garcia EB, González S, Grau E, Grill S, Gross E, Guerrieri-Gonzaga A, Guillaud-Bataille M, Gutiérrez-Enríquez S, Haaf T, Hackmann K, Hansen TVO, Harris M, Hauke J, Heinrich T, Hellebrand H, Herold KN, Honisch E, Horvath J, Houdayer C, Hübbel V, Iglesias S, Izquierdo A, James PA, Janssen LAM, Jeschke U, Kaulfuß S, Keupp K, Kiechle M, Kölbl A, Krieger S, Kruse TA, Kvist A, Lalloo F, Larsen M, Lattimore VL, Lautrup C, Ledig S, Leinert E, Lewis AL, Lim J, Loeffler M, López-Fernández A, Lucci-Cordisco E, Maass N, Manoukian S, Marabelli M, Matricardi L, Meindl A, Michelli RD, Moghadasi S, Moles-Fernández A, Montagna M, Montalban G, Monteiro AN, Montes E, Mori L, Moserle L, Müller CR, Mundhenke C, Naldi N, Nathanson KL, Navarro M, Nevanlinna H, Nichols CB, Niederacher D, Nielsen HR, Ong KR, Pachter N, Palmero EI, Papi L, Pedersen IS, Peissel B, Perez-Segura P, Pfeifer K, Pineda M, Pohl-Rescigno E, Poplawski NK, Porfirio B, Quante AS, Ramser J, Reis RM, Revillion F, Rhiem K, Riboli B, Ritter J, Rivera D, Rofes P, Rump A, Salinas M, Sánchez de Abajo AM, Schmidt G, Schoenwiese U, Seggewiß J, Solanes A, Steinemann D, Stiller M, Stoppa-Lyonnet D, Sullivan KJ, Susman R, Sutter C, Tavtigian SV, Teo SH, Teulé A, Thomassen M, Tibiletti MG, Tischkowitz M, Tognazzo S, Toland AE, Tornero E, Törngren T, Torres-Esquius S, Toss A, Trainer AH, Tucker KM, van Asperen CJ, van Mackelenbergh MT, Varesco L, Vargas-Parra G, Varon R, Vega A, Velasco Á, Vesper AS, Viel A, Vreeswijk MPG, Wagner SA, Waha A, Walker LC, Walters RJ, Wang-Gohrke S, Weber BHF, Weichert W, Wieland K, Wiesmüller L, Witzel I, Wöckel A, Woodward ER, Zachariae S, Zampiga V, Zeder-Göß C; KConFab Investigators; Lázaro C, De Nicolo A, Radice P, Engel C, Schmutzler RK, Goldgar DE, Spurdle AB. Large scale multifactorial likelihood quantitative analysis of BRCA1 and BRCA2 variants: An ENIGMA resource to support clinical variant classification. Hum Mutat. 2019 Sep;40(9):1557-1578. doi: 10.1002/humu.23818. PMID: 31131967; PMCID: PMC6772163.

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Capoluongo E, Gelli G, Concolino P. Novel BRCA1 Large Genomic Rearrangements in Italian Breast/Ovarian Cancer Patients. Mol Diagn Ther. 2019 Feb;23(1):121-126. doi: 10.1007/s40291-018-0376-2. PMID: 30506513.

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ABSTRACT
Autore di numerosi Abstracts presentati a Congressi Nazionali ed Internazionali.

Il sottoscritto, consapevole che – ai sensi dell'art. 76 del D.P.R. 445/2000 – le dichiarazioni mendaci, la falsità negli atti e l'uso di atti falsi sono puniti ai sensi del Codice penale e delle leggi speciali, dichiara che le informazioni rispondono a verità.

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