

CURRICULUM VITAE

Prof. Nicola Zambrano, Ph.D.

Born: May 2, 1963

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Dipartimento di Medicina Molecolare e Biotecnologie Mediche

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CEINGE Biotecnologie Avanzate Franco Salvatore

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Education, Training and Positions

Business or Sector: Academic

Current Full Professor in Molecular Biology, University of Naples Federico II, since 2011

2023-present National Scientific Habilitation 2023-2025, Italian National Agency
for the Evaluation of Universities and Research Institutes, Member of the Panel SC
05/E2, Molecular Biology

2023-present Member of the Directive Board, PharmaTech Academy, Università degli Studi di
Napoli Federico II

2020-present Dean, Bachelor's Program in Biotechnology for Health, Università degli Studi di
Napoli Federico II

2019-present Principal Investigator, CEINGE Biotecnologie Avanzate Franco Salvatore, Naples,
Italy

2019-2021 Deputy Director, Dipartimento di Medicina molecolare e Biotecnologie mediche,
Università degli Studi di Napoli Federico II

2002-2010: Associate Professor in Molecular Biology, University of Naples Federico II

1996-2002: Assistant Professor in Biochemistry, University of Naples Federico II

1997 Visiting scientist, Gene expression programme, EMBL Heidelberg, Germany (Dr.
Hans Schoeler).

1996: PhD in Biotechnologies, University of L'Aquila.

1991-1994 Visiting fellow, Laboratory of Cell Biology, National Cancer Institute, National
Institutes of Health, Bethesda, MD, U.S.A. (Dr. E. Appella).

1988: State examination in Biology

1987: M.Sc. Degree in Biological Sciences magna cum laude, Università degli Studi di
Napoli

Awards

1997: Short-term Fellowship by the Fondazione Italiana per la Ricerca sul Cancro (F.I.R.C.), for a
3-month stay at the European Molecular Biology Laboratory, Heidelberg, Germany.

1993-1994 "Fogarty" Fellowship, National Cancer Institute, National Institutes of Health, Bethesda,
MD, USA

1991-1993 "Fogarty" Fellowship, National Cancer Institute, National Institutes of Health, Bethesda,
MD, USA

1989-1991. Fellowship by the Italian Association for Cancer Research (A.I.R.C.)

Funding

2023 Ministry of University and Research, Italy, PRIN 2022 "A Preclinical, Precision Medicine
Approach Based on Retargeted Herpesviruses with Oncoimmunotherapeutic Potential
(PreMeRetHOn)"

2022 Ministry of University and Research, Italy PNRR National Center CN3 for RNA and Gene
Therapy CN3

2021 Medicina di precisione, CEINGE Biotechnologie Avanzate (Contributo ordinario Regione Campania)

2020 Task Force COVID-19, CEINGE Biotechnologie Avanzate (Regione Campania)

2020 Sviluppo di farmaci biologici e di sistemi innovativi in vitro per indagini preliniche, Consorzio Interuniversitario per le Biotechnologie

2019 NGS e nuove tecnologie per il riposizionamento di farmaci e la terapia di precisione", Consorzio Interuniversitario per le Biotechnologie

2018 Sistemi cellulari per la produzione di vettori oncolitici basati su HSV-1 NousCom SRL

2018 Sviluppo di Approcci Terapeutici INnovativi per patologie neoplastiche resistenti ai trattamenti (SATIN, Regione Campania)

2017 Ingegnerizzazione di vettori virali per terapie oncolitiche ed endovaccinali, NousCom SRL

2017 Virus terapeutici per il cancro, Associazione Culturale DiSciMuS RFC

2016 MIUR-PRIN 2015, "Calcium release-activated calcium modulator 1 (ORAI-1) and Stromal interaction molecule 1 (STIM1) in brain ischemic preconditioning as new targets to reprogram the innate immune system and induce tolerance in neurons"

2015 Biologia dei tumori ipossici, Associazione Culturale DiSciMuS RFC

2013 Commessa di Ricerca DMMBM Università di Napoli Federico II – Okairos S.R.L.

Regione Campania L.R. n. 5, Annualità 2007, "Functional analysis of PCL11, a novel interactor of the lipoprotein receptor LRP1, in the proteolytic processing of the Alzheimer's amyloid precursor"

2005 MiUR-PRIN 2005 "Analisi di modelli animali per la caratterizzazione funzionale del complesso Fe65/APP"

2003 MiUR-PRIN 2003 "Analisi comparativa dell'espressione genica in fibroblasti primari isolati da pazienti affetti da Malattia di Alzheimer".

2000 MiUR-PRIN "Generazione e caratterizzazione di un sistema sperimentale animale in cui studiare la produzione del peptide beta-amiloide dell'Alzheimer"

Editorial and evaluation activities

Section Editor, Biochemistry, Cell and Molecular Biology, Heliyon (Cell Press)

Editorial Board Member, Cancers (MDPI)

Associate Editor, Open Medicine (De Gruyter Open)

Ad hoc peer reviewing for scientific Journals, and of research projects for national and international Agencies.

Patents

WO2019180201 (A2) Antagonistic Pd-1, Pd-l1 And Lag-3 Binding Proteins

EPO 21164306.9 (2021) Human neutralizing antigen specific proteins for Spike- RBD of SARS-CoV2

EP1556703 (2003); U.S. 10/691,079 "Inhibitors of Src kinase for use in Alzheimer's disease".

Scientific activity

As a fellow of the Italian Association for Cancer Research, between 1989 and 1991, he worked on regulation of gene expression. From 1991 to 1994, at the National Cancer Institute in Bethesda, MD, USA, he was a visiting fellow, working on structure-function relationship of the p53 tumor suppressor protein, and on the HIV1 nucleocapsid protein. During 1997, at the European Molecular Biology Laboratory (Heidelberg, Germany), he spent a period to get trained on gene targeting in the mouse. Since 1994, at the Department of Biochemistry and Medical Biotechnologies, the University of Naples, he participated to research projects leading to the identification of protein-protein interactions and signal transduction pathways, which contributed to the identification of various molecular complexes involving the Alzheimer's beta-amyloid precursor protein (APP) and the molecular adaptor, Fe65. Next, he studied the signalling mechanisms which regulate the proteolytic processing of APP, and its transcriptional effects, following the nuclear translocation of the Fe65/APP complex. He also generated and analyzed animal models for the functional study of the Fe65/APP system in the mouse and in the nematode *Caenorhabditis elegans*, through reverse genetics approaches. He also characterized molecular and functional characterization of multi-protein complexes and protein expression signatures in hypoxia and cancer. More recently, he

dedicated his scientific activity to the isolation of monoclonal antibodies and setting of antibody-based treatments in cancer and viral diseases, and to the generation of HSV-1 based oncolytic viruses and characterization of mechanisms of oncovirotherapy in preclinical models.

Bibliographic information (Scopus, January 2025)

Total number of publications in peer-review journals: 105

Total number of publications in peer-review journals (last 10 years): 50

Total number of citations: >4,550

H index: 34

PAPERS

1. E, Totaro S, Capasso C, Raia M, D'Alise AM, de Candia P, Zambrano N, Sasso E. Integrating system biology and intratumor gene therapy by trans-complementing the appropriate co-stimulatory molecule as payload in oncolytic herpes virus. *Cancer Gene Ther.* 2024 Jun 5. doi: 10.1038/s41417-024-00790-8. Online ahead of print.
2. Succio M, Amiranda S, Sasso E, Marciano C, Finizio A, De Simone G, Garbi C, Zambrano N. Carbonic anhydrase IX subcellular localization in normoxic and hypoxic SH-SY5Y neuroblastoma cells is assisted by its C-terminal protein interaction domain. *Heliyon.* 2023 Aug 2;9(8):e18885.
3. Froehlich G, Finizio A, Napolano A, Amiranda S, De Chiara A, Pagano P, Mallardo M, Leoni G, Zambrano N, Sasso E. The common H232 STING allele shows impaired activities in DNA sensing, susceptibility to viral infection, and in monocyte cell function, while the HAQ variant possesses wild-type properties. *Sci Rep.* 2023 Nov 9;13(1):19541.
4. Belli S, Pesapane A, Servetto A, Esposito D, Napolitano F, Ascione CM, Allotta A, Zambrano N, Marino FZ, Franco R, Troiani T, Formisano L, Bianco R. Combined blockade of mTOR and p21-activated kinases pathways prevents tumour growth in KRAS-mutated colorectal cancer. *Br J Cancer.* 2023 Aug 11.
5. Passariello M, Ferrucci V, Sasso E, Manna L, Lembo RR, Pascarella S, Fusco G, Zambrano N, Zollo M, De Lorenzo C. A Novel Human Neutralizing mAb Recognizes Delta, Gamma and Omicron Variants of SARS-CoV-2 and Can Be Used in Combination with Sotrovimab. *Int J Mol Sci.* 2022 May 16;23(10):5556. doi: 10.3390/ijms23105556.
6. Zambrano N, Froehlich G, Lazarevic D, Passariello M, Nicosia A, De Lorenzo C, Morelli MJ, Sasso E. High-Throughput Monoclonal Antibody Discovery from Phage Libraries: Challenging the Current Preclinical Pipeline to Keep the Pace with the Increasing mAb Demand. *Cancers (Basel).* 2022 Mar 4;14(5):1325. doi: 10.3390/cancers14051325.
7. Froehlich G, Gentile C, Infante L, Caiazza C, Pagano P, Scatigna S, Cotugno G, D'Alise AM, Lahm A, Scarselli E, Nicosia A, Mallardo M, Sasso E, and Zambrano N. Generation of a Novel Mesothelin-Targeted Oncolytic Herpes Virus and Implemented Strategies for Manufacturing. *Int. J. Mol. Sci.* 2021, 22, 477. I.F.: 5.924
8. Gentile C, Finizio A, Froehlich G, D'Alise AM, Cotugno G, Amiranda S, Nicosia A, Scarselli E, Zambrano N, Sasso E. Generation of a Retargeted Oncolytic Herpes Virus Encoding Adenosine Deaminase for Tumor Adenosine Clearance. *Int J Mol Sci.* 2021 Dec 16;22(24):13521. doi: 10.3390/ijms222413521. PMID: 34948316; PMCID: PMC8705735. I.F.: 5.924
9. Margherita Passariello, Chiara Gentile, Veronica Ferrucci, Emanuele Sasso, Cinzia Vetrei, Giovanna Fusco, Maurizio Viscardi, Sergio Brandi, Pellegrino Cerino, Nicola Zambrano, Massimo Zollo & Claudia De Lorenzo. Novel human neutralizing mAbs specific for Spike-

RBD of SARS-CoV-2. *Sci Rep* 11, 11046 (2021). <https://doi.org/10.1038/s41598-021-90348-7> I.F.: 4.380

10. Vetrei C, Passariello M, Froechlich G, Rapuano Lembo R, Sasso E, Zambrano N, De Lorenzo C. Novel Combinations of Human Immunomodulatory mAbs Lacking Cardiotoxic Effects for Therapy of TNBC. *Cancers (Basel)*. 2021 Dec 27;14(1):121. doi: 10.3390/cancers14010121. PMID: 35008285; PMCID: PMC8750931. I.F.: 6.639
11. Cardinale A, Cantalupo S, Lasorsa VA, Montella A, Cimmino F, Succio M, Vermeulen M, Baltissen MP, Esposito M, Avitabile M, Formicola D, Testori A, Bonfiglio F, Ghiorzo P, Scalvenzi M, Ayla F, Zambrano N, Iles MM, Xu M, Law MH, Brown KM, Iolascon A, Capasso M. Functional annotation and investigation of the 10q24.33 melanoma risk locus identifies a common variant that influences transcriptional regulation of OBFC1. *Hum Mol Genet*. 2021 Oct 4;ddab293. doi: 10.1093/hmg/ddab293. I.F.: 6.150
12. Sasso E, D'Alise AM, Zambrano N, Scarselli E, Folgari A, Nicosia A. New viral vectors for infectious diseases and cancer. *Semin Immunol*. 2020 Aug;50:101430. I.F.: 11.130
13. Froechlich G, Caiazza C, Gentile C, D'Alise AM, De Lucia M, Langone F, Leoni G, Cotugno G, Scisciola V, Nicosia A, Scarselli E, Mallardo M, Sasso E, Zambrano N. Integrity of the Antiviral STING-mediated DNA Sensing in Tumor Cells Is Required to Sustain the Immunotherapeutic Efficacy of Herpes Simplex Oncolytic Virus. *Cancers (Basel)*. 2020 Nov 17;12(11):3407. I.F.: 6.639
14. De Lucia M, Cotugno G, Bignone V, Garzia I, Nocchi L, Langone F, Petrovic B, Sasso E, Pepe S, Froechlich G, Gentile C, Zambrano N, Campadelli-Fiume G, Nicosia A, Scarselli E, D'Alise AM. Retargeted and Multi-cytokine-Armed Herpes Virus Is a Potent Cancer Endovaccine for Local and Systemic Anti-tumor Treatment. *Mol Ther Oncolytics*. 2020 Oct 14;19:253-264. I.F.: 7.200
15. Sasso E, Froechlich G, Cotugno G, D'Alise AM, Gentile C, Bignone V, De Lucia M, Petrovic B, Campadelli-Fiume G, Scarselli E, Nicosia A, Zambrano N. Replicative conditioning of Herpes simplex type 1 virus by Survivin promoter, combined to ERBB2 retargeting, improves tumour cell-restricted oncolysis. *Sci Rep*. 2020 Mar 9;10(1):4307. I.F.: 4.380
16. Passariello M, Vetrei C, Sasso E, Froechlich G, Gentile C, D'Alise AM, Zambrano N, Scarselli E, Nicosia A, De Lorenzo C. Isolation of Two Novel Human Anti-CTLA-4 mAbs with Intriguing Biological Properties on Tumor and NK Cells. *Cancers (Basel)*. 2020 Aug 6;12(8):E2204. doi: 10.3390/cancers12082204. I.F.: 6.639
17. Benej M, Svastova E, Banova R, Kopacek J, Gibadulinova A, Kery M, Arena S, Scaloni A, Vitale M, Zambrano N, Papandreou I, Denko NC and Pastorekova S. CA IX Stabilizes Intracellular pH to Maintain Metabolic Reprogramming and Proliferation in Hypoxia. *Front. Oncol.*, 02 September 2020 | <https://doi.org/10.3389/fonc.2020.01462> I.F.: 6.244
18. Cembrola B, Ruzza V, Troise F, Esposito ML, Sasso E, Cafaro V, Passariello M, Visconte F, Raia M, Del Vecchio L, D'Alise AM, Cortese R, Scarselli E, Zambrano N, De Lorenzo C, Nicosia A. Rapid Affinity Maturation of Novel Anti-PD-L1 Antibodies by a Fast Drop of the Antigen Concentration and FACS Selection of Yeast Libraries. *Biomed Res Int*. 2019 Dec 28;2019:6051870. I.F.: 2.276
19. Avitabile M, Succio M, Testori A, Cardinale A, Vaksman Z, Lasorsa VA, Cantalupo S, Esposito M, Cimmino F, Montella A, Formicola D, Koster J, Andreotti V, Ghiorzo P, Romano MF, Staibano S, Scalvenzi M, Ayala F, Hakonarson H, Corrias MV, Devoto M, Law MH, Iles MM, Brown K, Diskin S, Zambrano N, Iolascon A, Capasso M. Neural crest-derived tumor neuroblastoma and melanoma share 1p13.2 as susceptibility locus that

shows a long-range interaction with the SLC16A1 gene. *Carcinogenesis*. 2020 May 14;41(3):284-295. I.F.: 4.944

20. Esposito MV, Minopoli G, Esposito L, D'Argenio V, Di Maggio F, Sasso E, D'Aiuto M, Zambrano N, Salvatore F. A Functional Analysis of the Unclassified Pro2767Ser BRCA2 Variant Reveals Its Potential Pathogenicity that Acts by Hampering DNA Binding and Homology-Mediated DNA Repair. *Cancers (Basel)*. 2019 Sep 28;11(10). I.F.: 6.126
21. Rusciano G, Sasso E, Capaccio A, Zambrano N, Sasso A. Revealing membrane alteration in cells overexpressing CA IX and EGFR by Surface-Enhanced Raman Scattering. *Sci Rep*. 2019 Feb 12;9(1):1832. doi: 10.1038/s41598-018-37997-3. I.F.: 3.998
22. Giovannini C, Salzano AM, Baglioni M, Vitale M, Scaloni A, Zambrano N, Giannone FA, Vasuri F, D'Errico A, Svegliati Baroni G, Bolondi L, Gramantieri L. Brivanib in combination with Notch3 silencing shows potent activity in tumour models. *Br J Cancer*. 2019 Mar;120(6):601-611. doi: 10.1038/s41416-018-0375-4. I.F.: 5.791
23. Salzano AM, Renzone G, Sobolev AP, Carbone V, Petriccione M, Capitani D, Vitale M, Novi G, Zambrano N, Pasquariello MS, Mannina L, Scaloni A. Unveiling Kiwifruit Metabolite and Protein Changes in the Course of Postharvest Cold Storage. *Front Plant Sci*. 2019 Feb 4;10:71. doi: 10.3389/fpls.2019.00071. eCollection 2019. I.F.: 4.402
24. Sasso E, D'Avino C, Passariello M, D'Alise AM, Siciliano D, Esposito ML, Froechlich G, Cortese R, Scarselli E, Zambrano N, Nicosia A, De Lorenzo C. Massive parallel screening of phage libraries for the generation of repertoires of human immunomodulatory monoclonal antibodies. *MAbs*. 2018 Oct;10(7):1060-1072. doi: 10.1080/19420862.2018.1496772. I.F.: 4.405
25. Sasso E, Latino D, Froechlich G, Succio M, Passariello M, De Lorenzo C, Nicosia A, Zambrano N. A long non-coding SINEUP RNA boosts semi-stable production of fully human monoclonal antibodies in HEK293E cells. *MAbs*. 2018 10(5):730-737. doi: 10.1080/19420862.2018.1463945. I.F.: 4.405
26. Salzano AM, Sobolev A, Carbone V, Petriccione M, Renzone G, Capitani D, Vitale M, Minasi P, Pasquariello MS, Novi G, Zambrano N, Scortichini M, Mannina L, Scaloni A. A proteometabolomic study of *Actinidia deliciosa* fruit development. *J Proteomics*. 2018 Feb 10;172:11-24. I.F.: 3.537
27. Mauro CD, Pesapane A, Formisano L, Rosa R, D'Amato V, Ciciola P, Servetto A, Marciano R, Orsini RC, Monteleone F, Zambrano N, Fontanini G, Servadio A, Pignataro G, Grumetto L, Lavecchia A, Bruzzese D, Iaccarino A, Troncone G, Veneziani BM, Montuori N, Placido S, Bianco R. Urokinase-type plasminogen activator receptor (uPAR) expression enhances invasion and metastasis in RAS mutated tumors. *Sci Rep*. 2017 Aug 24;7(1):9388. doi: 10.1038/s41598-017-10062-1. I.F.: 4.122
28. Romano S, Simeone E, D'Angelillo A, D'Arrigo P, Russo M, Capasso M, Lasorsa VA, Zambrano N, Ascierto PA, Romano MF. FKBP51s signature in peripheral blood mononuclear cells of melanoma patients as a possible predictive factor for immunotherapy. *Cancer Immunol Immunother*. 2017 Sep;66(9):1143-1151. doi: 10.1007/s00262-017-2004-0. I.F.: 4.225
29. Buonanno M, Langella E, Zambrano N, Succio M, Sasso E, Alterio V, Di Fiore A, Sandomenico A, Supuran CT, Scaloni A, Monti SM, De Simone G. Disclosing the Interaction of Carbonic Anhydrase IX with Cullin-Associated NEDD8-Dissociated Protein 1 by Molecular Modeling and Integrated Binding Measurements. *ACS Chem Biol*. 2017 Jun 16;12(6):1460-1465. I.F.: 4.592

30. Salzano AM, Sobolev A, Carbone V, Petriccione M, Renzone G, Capitani D, Vitale M, Minasi P, Pasquariello MS, Novi G, Zambrano N, Scortichini M, Mannina L, Scaloni A. A proteometabolomic study of *Actinidia deliciosa* fruit development. *J Proteomics*. 2017 Nov 11. pii: S1874-3919(17)30375-5. doi: 10.1016/j.jprot.2017.11.004. I.F.: 3.722
31. Arena S, D'Ambrosio C, Vitale M, Mazzeo F, Mamone G, Di Stasio L, Maccaferri M, Curci PL, Sonnante G, Zambrano N, Scaloni A. Differential representation of albumins and globulins during grain development in durum wheat and its possible functional consequences. *J Proteomics*. 2017 Jun 6;162:86-98. doi: 10.1016/j.jprot.2017.05.004. I.F.: 3.722
32. Tamburino R, Vitale M, Ruggiero A, Sassi M, Sannino L, Arena S, Costa A, Batelli G, Zambrano N, Scaloni A, Grillo S, Scotti N. Chloroplast proteome response to drought stress and recovery in tomato (*Solanum lycopersicum* L.). *BMC Plant Biol*. 2017 Feb 10;17(1):40. I.F.: 3.930
33. Monteleone F, Vitale M, Caratù G, D'Ambrosio C, Di Giovanni S, Gorrese M, Napolitano F, Romano MF, Del Vecchio L, Succoio M, Scaloni A, Zambrano N. Inhibition of PID1/NYGGF4/PCL11 gene expression highlights its role in the early events of the cell cycle in NIH3T3 fibroblasts. *J Enzyme Inhib Med Chem*. 2016;31(sup4):45-53. I.F.: 4.293
34. Cimmino F, Pezone L, Avitabile M, Persano L, Vitale M, Sassi M, Bresolin S, Serafin V, Zambrano N, Scaloni A, Basso G, Iolascon A, Capasso M. Proteomic Alterations in Response to Hypoxia Inducible Factor 2 α in Normoxic Neuroblastoma Cells. *J Proteome Res*. 2016 Oct 7;15(10):3643-3655. I.F.: 4.268
35. Amodio G, Sasso E, D'Ambrosio C, Scaloni A, Molledo O, Franceschelli S, Zambrano N, Remondelli P. Identification of a microRNA (miR-663a) induced by ER stress and its target gene PLOD3 by a combined microRNome and proteome approach. *Cell Biol Toxicol*. 2016 Aug;32(4):285-303. I.F.: 2.333
36. E. Sasso, R. Paciello, F. D'Auria, G. Riccio, G. Froechlich, R. Cortese, A. Nicosia, C. De Lorenzo, and N. Zambrano "One-Step Recovery of scFv Clones from High-Throughput Sequencing-Based Screening of Phage Display Libraries Challenged to Cells Expressing Native Claudin-1," *BioMed Research International*, vol. 2015, Article ID 703213, 9 pages, 2015. doi:10.1155/2015/703213 I.F.: 2.134
37. Paciello R, Urbanowicz RA, Riccio G, Sasso E, McClure PC, Zambrano N, Ball JK, Cortese R, Nicosia A, De Lorenzo C. Novel human anti-Claudin 1 monoclonal antibodies inhibit HCV infection and may synergize with anti-SRB1 mAb. *J Gen Virol*. 2015 Oct 29. doi: 10.1099/jgv.0.000330. I.F.: 3.192
38. Sasso E., Vitale M., Monteleone F., Boffo F.L., Santoriello M., Sarnataro D., Garbi C., Sabatella M., Crifò B., Paoletta L.A., Minopoli G, Zambrano N. Binding of Carbonic Anhydrase IX to 45S rDNA Genes Is Prevented by Exportin-1 in Hypoxic Cells. *Biomed Res Int* 2015;2015:674920. doi: 10.1155/2015/674920. I.F.: 2.134
39. Esposito G, Schiattarella GG, Perrino C, Cattaneo F, Pironti G, Franzone A, Gargiulo G, Magliulo F, Serino F, Carotenuto G, Sannino A, Ilardi F, Scudiero F, Brevetti L, Olivetti M, Giugliano G, Del Giudice C, Ciccarelli M, Renzone G, Scaloni A, Zambrano N, Trimarco B. Dermcidin: a skeletal muscle myokine modulating cardiomyocyte survival and infarct size after coronary artery ligation. *Cardiovasc Res*. 2015 Sep 1;107(4):431-41. doi: 10.1093/cvr/cvv173. I.F.: 5.465
40. Comegna M, Succoio M, Napolitano M, Vitale M, D'Ambrosio C, Scaloni A, Passaro F, Zambrano N, Cimino F, Faraonio R. Identification of miR-494 direct targets involved in senescence of human diploid fibroblasts. *FASEB J*. 2014 28(8):3720-33. I.F.: 5.043
41. Romano MF, Zambrano N. Editorial: Hot Topic Issue "Molecular Aspects of Cancer Resistance to Biological and Non-Biological Drugs and Strategies to Overcome Resistance" *Curr Med Chem*. 2014;21(14):1567-1568. I.F.: 3.853
42. Rosa R, Monteleone F, Zambrano N, Bianco R In Vitro and in Vivo Models for Analysis of Resistance to Anticancer Molecular Therapies. *Curr Med Chem*. 2014;21(14):1595-1606. I.F.: 3.853
43. Ilardi G, Zambrano N, Merolla F, Siano M, Varricchio S, Vecchione M, De Rosa G, Mascolo M, Staibano S. Histopathological Determinants of Tumor Resistance: a Special

- Look to The Immunohistochemical Expression of Carbonic Anhydrase IX in Human Cancers. *Curr Med Chem*. 2014;21(14):1569-1582. I.F.: 3.853
44. Paolella G, Caputo I, Marabotti A, Lepretti M, Salzano AM, Scaloni A, Vitale M, Zambrano N, Sblattero D, Esposito C. Celiac anti-type 2 transglutaminase antibodies induce phosphoproteome modification in intestinal epithelial caco-2 cells. *PLoS One*. 2013 Dec 31;8(12):e84403. I.F.: 3.534
 45. Franci G, Casalino L, Petraglia F, Miceli M, Menafrà R, Radic B, Tarallo V, Vitale M, Scarfò M, Pocsfalvi G, Baldi A, Ambrosino C, Zambrano N, Patriarca E, De Falco S, Minchiotti G, Stunnenberg HG, Altucci L. The class I-specific HDAC inhibitor MS-275 modulates the differentiation potential of mouse embryonic stem cells. *Biol Open*. 2013 Aug 22;2(10):1070-7. I.F.: 2.416
 46. Cannavo A, Rengo G, Liccardo D, Pironti G, Scimia MC, Scudiero L, De Lucia C, Ferrone M, Leosco D, Zambrano N, Koch WJ, Trimarco B, Esposito G. Prothymosin alpha protects cardiomyocytes against ischemia-induced apoptosis via preservation of Akt activation. *Apoptosis*. 2013 Oct;18(10):1252-61. I.F.: 3,614
 47. Monteleone F, Rosa R, Vitale M, D'Ambrosio C, Succoio M, Formisano L, Nappi L, Romano MF, Scaloni A, Tortora G, Bianco R and Zambrano N. Increased anaerobic metabolism is a distinctive signature in a colorectal cancer cellular Proteomics. 2013 Mar;13(5):866-77. I.F.: 3.973
 48. Buanne P, Renzone G, Monteleone F, Vitale M, Monti S, Sandomenico A, Garbi C, Montanaro D, Accardo M, Troncone G, Zatovicova M, Csaderova L, Supuran C, Pastorekova S, Scaloni A, De Simone G, Zambrano N. Characterization of carbonic anhydrase IX interactome reveals proteins assisting its nuclear localization in hypoxic cells. *Journal of Proteome Research* 2013 Jan 4;12(1):282-92. I.F.: 5.001
 49. Valsecchi V, Pignataro G, Sirabella R, Matrone C, Boscia F, Scorziello A, Sisalli MJ, Esposito E, Zambrano N, Cataldi M, Di Renzo G, Annunziato L. Transcriptional Regulation of *ncx1* gene in the Brain. *Adv Exp Med Biol*. 2013;961:137-45. I.F.: 2.012
 50. Giordano A, Romano S, Nappo G, Messina S, Polimeno M, Corcione N, Calì G, Ferraro P, Monaco M, Zambrano N, Romano MF. Atorvastatin sensitises vascular smooth muscle cells, but not endothelial cells, to TNF- α -induced cell death. *Curr Pharm Des*. 2012;18(38):6331-8. I.F.: 3.311
 51. Capobianco V, Nardelli C, Ferrigno M, Iaffaldano L, Pilone V, Forestieri P, Zambrano N, Sacchetti L. miRNA and Protein Expression Profiles of Visceral Adipose Tissue Reveal miR-141/YWHAG and miR-520e/RAB11A as Two Potential miRNA/Protein Target Pairs Associated with Severe Obesity *J. Proteome Res.*, 2012, 11 (6), pp 3358–3369 I.F.: 5.056
 52. Vitale M., Renzone G., Matsuda S., Scaloni A., D'Adamio L., Zambrano N. Proteomic characterization of a mouse model of Familial Danish Dementia, *J Biomed Biotechnol*. 2012, 2012:728178. I.F.: 3,524
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Naples, January 8, 2025

"Quanto dichiarato nel presente *curriculum vitae* corrisponde al vero ai sensi degli artt. 46 e 47 del D.P.R. 445/2000

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".

Signature

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Prof. Nicola Zambrano, Ph. D.