

Curriculum Vitae



Marina DI DOMENICO, MD

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Date of birth 08/04/1960 | Nationality: Italian

MAIN SCIENTIFIC INTERESTS Signal transduction of steroids in hormone responsive tumors. Phosphorylation as signature and prognostic tool in clinical use for hormone refractory prostate cancer. Circulating tumor cells and biochemical fingerprint in lung cancer. Nanotechnology in medicine: identification of cancer prognosis and diagnosis markers and therapeutic targets.

CURRENT POSITION

2019

Full Professor of Technical Sciences of Laboratory Medicine, University of Campania "Luigi Vanvitelli", Naples, It.

PREVIOUS POSITIONS

- 1981-1985 Internship Department of General pathology, University of Naples “Federico II”, Naples It.
- 1987-1990 AIRC fellowship Department of General pathology, Medical School University of Naples It.
- 1988-2001 Medical Doctor Tech. Department of General pathology , Second University of Naples, It (SUN).
- 2001 Researcher (SSD-MED-04) Department of General pathology, Second University of Naples, It(SUN).
- 2005-2015 Aggregate Professor (art.1 DL 230 4-11-2005) Second University of Naples, It(SUN).
- 2015 Associate Professor (SSD MED/46) Department of Bioch. Bioph. and General pathology(SUN).

EDUCATION

- 1985 Degree in Medicine & Surgery from the 1st Medical School University of Naples, maximum vote (Cum Laude and mention by Commission). Experimental thesis: “Fosforilazione del recettore degli estrogeni in tirosina”, University of Naples “Federico II”Napoli It.
- 1985 Habilitation to practice Medicine & Surgery, University “Gabriele D’annunzio”Chieti It.
- 1987 AIRC fellowship 1st Medical School University of Naples, project: “ The role of non genomic actions of steroids on the cell growth of breast and prostate tumors” University of Naples “Federico II”Napoli It.
- 1990 Specialist in Radiotherapy Oncology at the 1st Medical School University of Naples, (Cum Laude).
- 2009 International Course of South Eastern European Immunology School (EFIS–EJI) “Ruggero Ceppellini”, “The Role of B cell in the physiology and pathology of the immune system” Sorrento, Napoli It.

ADDITIONAL COMMITMENTS

- 2011 to date Adjunct Professor (uncompensated research job) Sbarro Institute for Cancer Research and Molecular Medicine and Center for Biotechnology Temple University, Philadelphia USA .
- 1998-2011 Medical Doctor Manager (I Level) University Hospital, Department of Integrated Activity of the Laboratory Services and Public Health, UOC Clinical and Molecular Pathology, Second University of Naples, It.
- 2011-2015 Medical Doctor Manager (I Level) University Hospital, Allergology Unit (*), Department of Integrated Activity of the Laboratory Services and Public Health, Second University of Naples, It. (*) *Lamberti M, Buonanno R, Ritonnaro C, Giovane G, Crispino V, Feola A, Medici N, Sannolo N, Di Carlo A, Di Domenico M. 2015 Molecular profile of sensitization in subjects with short occupational exposure to latex. Int J Occup Med Environ Health. ;28(5):841-8*
- 2012 Scientific Coordinator of Health Diagnosis Training workshop 1st workshop on “The advanced cell culture systems in tumour biology: invasion, migration and angiogenesis” Partnership: Prostate Germany Consortium (DPKK) and Saarland University , Department of Biochemistry Biophysics and General pathology, Second University of Naples, It.
- 2015 Scientific Coordinator (Compensated research job) of Health Diagnosis Training workshop 2st workshop “Le patologie umane multifattoriali ad elevato impatto sociale, con potenziali applicazioni

diagnostiche, farmacologiche e di screening”, Partnership: Prostate Germany Consortium (DPKK) and Saarland University Honburg Germany, University of Naples”Federicoll”Naples It.

2016 to date Medical Doctor Manager (I Level) University Hospital, Analysis Emergency Unit, Department of Integrated Activity of the Laboratory Services and Public Health, University of Campania “Luigi Vanvitelli” Naples,It.

DIDACTICS

2001-2019. The didactics activity

Teaching Immunopathology, Laboratory Technics, Clinical and General Pathology :

- Dental School- Second University of Naples It,
- Pharmacy - Second University of Naples It.
- Radiological techniques -Second University of Naples It.
- Nurse sciences -Second University of Naples It.
- Technical Sciences applied to Bio-Medicine- Second University of NaplesIt.
- Biotechnologists -Second University of Naples It.
- School of Specialization in Cardio-Surgery for Medical Doctors - Second University of Naples It.
- School of Specialization in Geriatric for Medical Doctors -Second University of Naples It.
- School of Specialization in Thoracic-Surgery for Medical Doctors - Second University of Naples It
- School of Specialization in Oral-Surgery for Medical Doctors - Second University of Naples It.
- Ph.D Program Biochemical and Biotechnological Sciences- Physical Chemistry Course University of Campania “Luigi Vanvitelli”Naples It.

Teaching Laboratory Medicine and Molecular Oncology (Visiting Professor) in International Institutions :

- School of Medicine at Hospital Saint Louis, University Istitute d'Hematologie Commissariat à L'Energie Atomique CEA, Paris-France.
 - Department of Biology at Temple University's College of Science and Technology, Philadelphia-USA.
 - School of Medicine at Clinic of Urology and Pediatric Urology Saarland University, Homburg – Germany.
 - PISU Summer School University of Pristhina, Pristhina - Kosovo.
 - University of Medicine, Faculty of Dentistry Tirana- Albania.
 - Adjunct Professor (uncompensated research job) Sbarro Institute for Cancer Research and Molecular Medicine and Center for Biotechnology Temple University, Philadelphia -USA .
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NATIONAL AND INTERNATIONAL RESEARCH GRANTS (selected)

- 2007-09 AIRC “Extranuclear action of steroid receptors as drug target in breast and prostate cancer”
- 2007-09 AIRC “Targeting the nuclear export of steroid receptors as an approach to cancer therapy”
- 2009-11 AIRC "Recettori tirosinchinasici: nuovi marcatori dei tumori del cavo orale"
- 2009-11 PROGR. SUN "Studio del ruolo del recettore degli androgeni in fibroblasti associati a tumori della prostata"
- 2009-11 PROGR. SUN"CROSSTOLK del recettore dell'EGF con i recettori steroidei nei fibrosarcoma umani"
- 2011-12 CTER008 DI TIPOLOGIA RC_PRI. “Epigenetic fingerprint in endometrial carcinogenesis:

- 2011-14 MINISTERO DELLA SALUTE – REGIONE CAMPANIA(RF) CCM 2011(D.G.R n°493 del 04/01/2011)
"Cancro del polmone e ambiente di lavoro: nuovi marker molecolari per una diagnosi precoce di malattia"
- 2014 NEUROMED (Istituto Neurologico Mediterraneo) - Pozzilli , Isernia ITALY. IRCCS NEUROMED
"Strategie Innovative per i Glioblastomi"
- 2015 EUROPEAN FOUNDATION FOR THE STUDY OF DIABETES (EFSD), Germany: "The p85 regulatory subunit of PI3K mediates cAMP-PKA and insulin biological effects on MCF-7 cell growth and motility" .
- 2016 EUROPEAN FOUNDATION FOR THE STUDY OF DIABETES (EFSD), Germany "The role of Septin-7 in the Insulin-mediated glucose uptake"
- 2016 CONSORZIO INTERNAZIONALE INTERUNIVERSITARIO (CIISO): 1) "Oncological network project for Romania" Partnership: Ministero della Salute Romeno (Dr. Cristian Grasu), Romen Repubblica Ambasciata, Romen Parlament (Dr. Nicolae Banicioiu) "screening dei tumori del distretto testa-collo, del colon, della mammella e della prostata"2) "Signaling Pathways in Tumoral Cells:Identification of Prognosis and Diagnosis Markers and Therapeutic Targets" Partnership :Association Tunissienne de lutte contre le cancer" (ATCC) (Prof Ben Ayed)
- 2017 PROGR. RENOVO ITALIA. "Effetti biologici dei polifenoli da oliva su modelli cellulari in coltura"

RESEARCH ACTIVITY WITH INTERNATIONAL INSTITUTIONS

- "New Molecules and target therapy for solid tumors" Temple University, A Commonwealth University, Sbarro Institute for Cancer Research and Molecular Medicine, Philadelphia, USA PI Prof. Antonio Giordano.
- "AP-1 Complex in NSLC as prognostic tool in clinical use" Temple University, A Commonwealth University, Sbarro Institute for Cancer Research and Molecular Medicine, Philadelphia, USA PI Prof. Antonio Giordano.
- "A negative prognostic factors of oral squamous cell carcinoma" Temple University, A Commonwealth University, Sbarro Institute for Cancer Research and Molecular Medicine, Philadelphia, USA PI Prof. Antonio Giordano.
- "Tissue microarray (TMA) for validation of new targets in prostate cancer"UKS Cell culture and Mol.Biol. Laboratories, Saarland University (GER),PI Prof Gerhard Unteregger.
- "Phosphorylation of PI3K-p85 α regulatory subunit as a new therapeutic target in hormone refractory prostate cancer".UKS Clinic of Urology, D-66421 Homburg/Saar (GER), PI Prof. Gerhard Unteregger.
- "Mutations of PTEN activates the kinase cascade PI3K/AKT/mTOR which induces drug resistance" Klinik und Poliklinik für Urologie, Gottingen (GER), con il progetto a firma del Prof. Paul Thelen.
- " Induction of proinflammatory cytokines in human osteoblastic cells" School of life Sciences University of Westminster, London (UK), PI Dr.Steve Getting.
- "Individualized Medicine in therapeutic strategies , biochemical fingerprint and methods to screen for pathological cell and tissue changes in body fluid and by immunohistochemical staining".Airbeitsgruppe Urologische Forschung, Dusseldorf (GER), PI Dr.Christoph Becker.

SOCIETIES, CONSORTIUM, ACADEMY

- Member of SIPMET (Società di Patologia Generale e Patologia Generale e Medicina Traslazionale)
- Member of AICC (Associazione Italiana di Colture Cellulari)
- Member of DPKK (German Prostate Cancer Consortium)
- Member of DGU (German Urology Society)
- Member of inHEMA (Non Trasfusional Hemocomponents Academy)
- Member of Editorial Board for many International Journal such as World Journal of Pathology (ISSN 2277-460); Journal of Cardiovascular Medicine and Cardiology(ISSN 1558-2035) Annals of Circulation

AWARDS & HONORS

- 1988: Winner of International fellowship for Cancer research in USA awarded by Rotary Club.
- 2012:Winner of the International Grillo Prize for Lung Cancer research article awarded by the European Society of Thoracic Surgeons “The value of Matrix Metalloprotenase 9 and VEGFR1 pathway in diagnosing indeterminate pleural effusion”- ESTS Essen Germany.
- 2012:Winner for the best article abstract awarded by the Italian Society of Pathology and Translation Medicine the dal titolo “AP1 promotes tumor progression in Non Small Lung Cancer through epidermal growth factor receptor”. XXXI Meeting of the Italian Society of Pathology and Translation Medicine, 1st Joint Meeting of Pathology and Laboratory Diagnostics - Udine It.
- 2014 : "The p85 Regulatory Subunit of PI3K Mediates cAMP-PKA and Insulin Biological Effects on MCF-7 Cell Growth and Motility” , Sci World by The J Lead Discovery's Daily Updates.
- 2018: Appreciation for presentation awarded by International Conference on Biomarker Research in Clinical Medicine (BRCM)“Alpha-1-microglobulin/bikunin (AMBP) protein corona (PPC) as biomarker for early diagnosis in Non-small-cell lung carcinomas (NSCLC) patients:a case report”. International Conference on Biomarker Research in Clinical Medicine -Paris France.

PARTECIPATION ON SCIENTIFIC CONGRESSES (selected)

- 2019 Invited Speaker "Medical Women’s International Association (MWIA) Centennial Congress",:"The critical crosstalk between obesity and breast cancer: the effective governance of cancer invasion and progression", New York NY, USA
- 2019 Invited Speaker "Salerno Campus di Fisciano" "Profilo proteomico delle nanoparticelle: implicazioni cliniche delle “protein corona” nello pneumotorace", Fisciano(Sa), Italy

- 2019 Invited Speaker "2 nd International Congress Egyptian Society of Implantology" (ESOI "Growth Factors & cells motility: effective players on tissue remodeling in wound-healing of periodontal disease", Faculty of Medicine, University of Alexandria, Egypt
- 2018 Invited Speaker "XXIV Dentalevante Congress", comunicazione dal titolo "Crucial role of Trasforming Growth Factor β on cellular migration in wound-healing and tissue remodelling of periodontal disease", Bari, Italy
- 2018 Invited Speaker "Workshop International Conference 2018" Tirana DEntistry School "Crosstalk between HPV epigenetic mechanisms and molecular factors related to head and neck carcinogenesis", Tirana , Albania
- 2018 Invited Speaker " Meeting Innovazioni tecnologiche e protocolli sperimentali in Parodontologia e Chirurgia Orale", "Effective governance of cell transcription and adhesion in tumor invasion", Bari, Italy
- 2018 Invited Speaker "International Conference on Biomarker Research in Clinical Medicine (BRCM 2018) "Alpha-1-microglobulin/bikunin (AMBP) protein corona (PPC) as biomarker for early diagnosis in Non-small-cell lung carcinomas (NSCLC) patients:a case report", Paris, France
- 2017 Invited Speaker 17° Congresso Annuale AGEO "Donna Salute e Ambiente", Napoli, Italy, LectioMagistralis dal titolo "Genetica dei Tumori" Palazzo S. Teodoro Naples, Italy
- 2017 Invited Chairman (Stem Cells Session) III Meeting Nazionale inHEMA (Non Trasfusional Hemocomponents Academy) "Materiali Biologici: Un approccio Traslazionale alla Medicina Rigenerativa" Napoli, Italy
- 2016 Invited Speaker, Rector Delegate Meeting "Inter-Religious Dialogue to counter violent extremism" dell'Assemblea Parlamentare del Mediterraneo (PAM), del Senato Italiano - Rome, Italy
- 2016 Invited Speaker IV Annual Congress of the European Society for translational medicine (EUSTM), "Stage Classification of Non-Small-Cell-Lung Carcinomas by Innovative Nanoparticle-protein Corona Test" Praga, Repubblica Ceca
- 2016 Invited Chairman (III Session in sostituzione del Prof Luigi Frati) Symposium Liquid Biopsy: tracking cancer circulating biomarkers to predict treatment response. Università La Sapienza - Rome, Italy
- 2016 Invited Speaker XXIII Congress "Non Trasfusional Hemocomponents Academy inHEMA " Comunicazione dal titolo "La transizione epitelio mesenchimale nel cancro orale: espressione del gene CDH1 e blocco epigenetico full digital implantology" - Roma, Italy
- 2016 Invited PAM Advisor , al Meeting "Migrants in Countries in Crisis (MICIC) Initiative Regional Consultation for the Middle East and North Africa" -S. Julian, Malta
- 2016 Invited Speaker 31th Annual European Association of Urology (EAU) Congress Messe München GmbH Congress Centre in Munich - Munich, Germany
- 2014 Invited PAM Advisor, Rector Delegate "Launch of the PAM Mediterranean Academic Platform" dell'Assemblea Parlamentare del Mediterraneo (PAM), organo transnazionale e con il ruolo di osservatore presso l'Assemblea generale delle Nazioni Unite (ONU) ", Centro Congressi University of Catania Catania, Italy
- 2014 Invited Speaker 6th Symposium Urological Research of the German Society of Urology, "The stress hormone norepinephrine increases migration of prostate cancer cells in vitro and in vivo" Hamburg, Germany .
- 2014 Invited Speaker International Congress "Physical Activity prescription and Mediterranean Diet for a wellness culture" "Breast cancer and physical activity"City Hall, Rotuses Aikste, Vilnius, Lituania

- 2014 Invited Speaker 64° Congress AIPaCMeM - 32° Congress SIPMeT Comunicazione dal titolo " The p85 Regulatory Subunit of PI3K Mediates cAMP–PKA" and "Insulin Biological Effects on MCF-7 Cell Growth and Motility" Palermo Italy
- 2013 Invited Speaker 5th Symposium Urological Research of the German Society of Urology, comunicazione dal titolo "Resveratrol and prostate a very complicated dangerous liaison" Hamburg, Giessen Germany
- 2012 Invited Speaker 4th Symposium Urological Research of the German Society of Urology, comunicazione dal titolo "Phosphorylation of PI3Kp85 α regulatory subunit as a new therapeutic target in hormone refractory prostate cancer" Berlin ,Germany
- 2012 Invited Speaker 10th Meeting del German Prostate Cancer Consortium (DPKK) - Homburg, Germany
- 2011 Invited Speaker 9th Workshop German Prostate Cancer Consortium (DPKK), Akademie Mont Cenis, comunicazione dal titolo "Strategies to overcome hormone resistance based on the disruption of the interaction of androgen receptor with Scr" Jahrestagung a Herne ,Germany
- 2011 Invited Speaker 24° Convegno Annuale Associazione Italiana Colture Cellulari (ONLUS-AICC) e International Satellite Symposium AICC-GISM comunicazioni dal titolo "Struttura, modificazioni epigenetiche e meccanismi di riparo del DNA come bersaglio per terapie innovative antitumorali" e " Mesenchymal stem cells: challenges in translating research into clinic" Rome,Italy

SCIENTIFIC RESEARCH AREAS:

The scientific research activity has developed into three major areas concerning:

- a) the study of the molecular mechanisms through which estrogens stimulate cell growth in normal and tumor tissues. In the context of these studies it should be emphasized that the phosphorylation of the identified estrogen receptor constitutes the first example of tyrosine phosphorylation capable of modifying the fundamental function of a receptor as the ability to bind the hormone. This observation has suggested unique similarities between steroid hormone receptors and growth factor receptors, as well as proteins expressed by retro viral oncogenes, known to be phosphorylated in tyrosine. This analogy has proved all the more interesting in that it has suggested the fascinating possibility of using cellular biotechnologies for the characterization of specific biomarkers that can be used for diagnostic and therapeutic purposes in hormone-dependent tumors.
- b) the study of the characterization of a cross-talk complex between the EGF receptor and steroid hormone receptors, related signal translation pathways and biological responses in cells derived from human mammary and prostatic carcinomas. These transductional effects underlie the phosphorylation activity of proteins whose role is crucial in neoplastic transformation; in particular the studies carried out on the residue of serine 83 of the phosphatidylinositol-3-kinase protein (p85PI3K) and its involvement of cellular invasiveness and motility find its translational application in the realization of a device based on the use of specific polyclonal and monoclonal antibodies for the recognition of the p85 alpha subunit of phosphatidylinositol-3-kinase (p85PI3K) phosphorylated in serine 83, specific peptide targets. The object of the invention belongs to the biomedical sector, and the fields of application are to be placed in the early diagnosis of mammary and prostatic epithelial tumors *i)Migliaccio A, Castoria G, Di Domenico M, De Falco A, Balance A, Lombardi M, Baron MV, Ametrano D, Zannini MS, Abundance C, Auricchio F. Steroid-induced androgen receptor-oestradiol receptor β -Src complex triggers prostate cancer cell proliferation. EMBO J 2000; 19 (20): 5406-5417,ii)Migliaccio A, Castoria G, Di Domenico M, De Falco A, Balance A, Lombardi M, Baron*

MV, Ametrano D, Zannini MS, Abundance C, Auricchio F. Steroid-induced androgen receptor-oestradiol receptor β -Src complex triggers prostate cancer cell proliferation. EMBO J 2000; 19 (20): 5406-5417.

- c) the study of the molecular mechanisms linked to the key role of the epithelial growth factor receptor (EGFR) in association with steroid receptors in oral cancer carcinogenesis (OSCC), has developed towards technological application, embodied in a patent (IT 10201800004137) based on diagnostic non-invasive methodologies for a screening of OSCC tumors and head-neck district. Secondly, the protein profiles with prognostic value of the study of the potential role of EGFR phosphorylation and the characterization of cadherins, proteins related to the mesenchymal epithelial transition in neoplastic progression, have given rise to scientific publications in which the predictive terms for neoplastic diseases emerge of tumors of the head and neck region.
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1986-2019. The scientific research activity

<https://scholar.google.it/citations?hl=it&user=CwLRs78AAAAJ> www.researchgate.net/profile/Marina_Di_Domenico (Scopus : h-index 30)

PUBLICATIONS

1. Boccellino M, Di Stasio D, Dipalma G, Cantore S, Ambrosio P, Coppola M, Quagliuolo L, Scarano A, Malcangi G, Borsani E, Rinaldi B, Nuzzolese M, Xhajanka E, Ballini A, Inchingolo F, **Di Domenico M**. Steroids and growth factors in oral squamous cell carcinoma: useful source of dental-derived stem cells to develop a steroidogenic model in new clinical strategies Eur Rev Med Pharmacol Sci. 2019 Oct;23(20):8730-8740. doi: 10.26355/eurrev_201910_19267. IF:2.141
2. Caracciolo G, Safavi-Sohi R, , Malekzadeh R, Poustchi H, Vasighi M, Zenezini Chiozzi R, Capriotti A L, Laganà, A, Hajipour M, **Di Domenico M**, Di Carlo A, Caputo D, Aghaverdi H, Papi M, Palmieri V, Santoni A, Palchetti S, Digiacoimo L, Pozzi D, Suslick K S, Mahmoudi M. Disease-specific protein corona sensor arrays may have disease detection capacity. Nanoscale Horizons Volume 4, Issue 5, September 2019, Pages 1063-1076 IF:9.095
3. **Di Domenico M**, Pinto F, Quagliuolo L, Contaldo M, Settembre G, Romano A, Coppola M, Ferati K, Bexheti-Ferati A, Sciarra A, Nicoletti GF, Ferraro GA, Boccellino M. The Role of Oxidative Stress and Hormones in Controlling Obesity. Front Endocrinol (Lausanne) 2019 Sep 27;10:693. IF:3.261
4. **Di Domenico M**, Pozzi D, Palchetti S, Digiacoimo L, Iorio R, Astarita C, Fiorelli A, Pierdiluca M, Santini M, Barbarino M, Giordano A, Di Carlo A, Frati L, Mahmoudi M, Caracciolo G. Nanoparticle-biomolecular corona: A new approach for the early detection of non-small-cell lung cancer. J Cell Physiol 2019;234(6):9378-9386. IF:4.155
5. Ricci S, Pinto F, Auletta A, Giordano A, Giovane A, Settembre G, Boccellino M, Boffo S, Di Carlo A, **Di Domenico M**. The enigmatic role of matrix metalloproteinases in epithelial-to-mesenchymal transition of oral squamous cell carcinoma: Implications and nutraceutical aspects. J Cell Biochem 2019;120(5):6813-6819. IF:3.446

6. Papi M, Palmieri V, Palchetti S, Pozzi D, Digiacomio L, Guadagno E, Del Basso De Caro M, **Di Domenico M**, Ricci S, Pani R, Mahmoudi M, Di Carlo A, Caracciolo G. Exploitation of nanoparticle-protein interactions for early disease detection. *Appl Phys Lett* 2019;114(16). IF:3.352
7. Boccellino M, Pinto F, Ieluzzi V, Giovane A, Quagliuolo L, Fariello C, Coppola M, Carlucci A, Santini M, Ferati K, Bexheti-Ferati A, Giordano A, **Di Domenico M**. Proteomics analysis of human serum of patients with non-small-cell lung cancer reveals proteins as diagnostic biomarker candidates. *J Cell Physiol* 2019, DOI: 10.1002/jcp.28948:1-9. IF:4.155
8. **Di Domenico M**, Giovane G, Kouidhi S, Iorio R, Romano M, De Francesco F, Feola A, Siciliano C, Califano L, Giordano A. HPV epigenetic mechanisms related to Oropharyngeal and Cervix cancers. *Cancer Biol Ther* 2018;19(10):850-857.IF:2.879
9. Boccellino M, **Di Domenico M**, Donniacuo M, Bitti G, Gritti G, Ambrosio P, Quagliuolo L, Rinaldi B. AT1-receptor blockade: Protective effects of irbesartan in cardiomyocytes under hypoxic stress. *PLoS ONE* 2018;13(10):1-12. IF: 3.234
10. Menditti D, Laino L, **Di Domenico M**, Troiano G, Guglielmotti M, Sava S, Mezzogiorno A, Baldi A. Cysts and pseudocysts of the oral cavity: Revision of the literature and a new proposed classification. *In Vivo* 2018;32(5):999-1007. IF: 1.116
11. Boccellino M, Di Stasio D, Romano A, Petruzzi M, Lucchese A, Serpico R, Frati L, Di Domenico M. Lichen planus: Molecular pathway and clinical implications in oral disorders. *J Biol Regul Homeostatic Agents* 2018a;32(2):135-138. IF:1.397
12. Boccellino M, Di Stasio D, Serpico R, Lucchese A, Guida A, Settembre G, **Di Domenico M**, Rizzo A. Analysis of saliva samples in patients with Prader-Willi syndrome. *J Biol Regul Homeostatic Agents* 2018b;32(2):107-111. IF: 1.397
13. Rullo R, Addabbo F, Femiano F, **Di Domenico M**, Rullo F, Festa VM. Congenital midline fistula of the upper lip: Embryological aspects of a rare malformation. *J Oral Maxillofacial Surg Med Pathol* 2017;29(4):334-336. IF: 1.092
14. D'Amico FE, Ruffolo C, Romano M, **Di Domenico M**, Sbaraglia M, Dei Tos AP, Garofalo T, Giordano A, Bassi I, Massani M. Rare neoplasm mimicking neuroendocrine pancreatic tumor: A case report of solitary fibrous tumor with review of the literature. *Anticancer Res* 2017;37(6):3093-3097. IF:1.895

15. De Filippis A, Buommino E, **Di Domenico M**, Feola A, Brunetti-Pierri R, Rizzo A. Chlamydia trachomatis induces an upregulation of molecular biomarkers podoplanin, Wilms' tumour gene 1, osteopontin and inflammatory cytokines in human mesothelial cells. *Microbiology* 2017;163(5):654-663. IF:3.127
16. **Di Domenico M**, Giordano A. Signal transduction growth factors: The effective governance of transcription and cellular adhesion in cancer invasion. *Oncotarget* 2017;8(22):36869-36884. IF:5.008
17. Feola A, Ricci S, Kouidhi S, Rizzo A, Penon A, Formisano P, Giordano A, Di Carlo A, **Di Domenico M**. Multifaceted Breast Cancer: The Molecular Connection With Obesity. *J Cell Physiol* 2017;232(1):69-77. IF:4.155
18. Romano M, De Francesco F, Gringeri E, Giordano A, Ferraro GA, **Di Domenico M**, Cillo U. Tumor Microenvironment Versus Cancer Stem Cells in Cholangiocarcinoma: Synergistic Effects? *J Cell Physiol* 2016;231(4):768-776. IF:4.155
19. Fiorelli A, Ricci S, Feola A, Mazzella A, D'Angelo L, Santini M, **Di Domenico M**, Di Carlo A. Matrix metalloproteinase-9 and tissue inhibitor of metalloproteinase-1 in diagnosis of pleural effusion of malignant origin. *Interact Cardiovasc Thorac Surg* 2016;22(4):411-418. IF:1.112
20. Santini AC, Giovane G, Auletta A, Di Carlo A, Fiorelli A, Cito L, Astarita C, Giordano A, Alfano R, Feola A, **Di Domenico M**. Translational Research and Plasma Proteomic in Cancer. *J Cell Biochem* 2016;117(4):828-835. IF:3.446
21. Lamberti M, Buonanno R, Ritonnaro C, Giovane G, Crispino V, Feola A, Medici N, Sannolo N, Di Carlo A, **Di Domenico M**. Molecular profile of sensitization in subjects with short occupational exposure to latex. *Int J Occup Med Environ Health* 2015;28(5):841-848. IF:0.695
22. Lamberti M, Capasso R, Lombardi A, **Di Domenico M**, Fiorelli A, Feola A, Perna AF, Santini M, Caraglia M, Ingrosso D. Two different serum MiRNA signatures correlate with the clinical outcome and histological subtype in pleural malignant mesothelioma patients. *PLoS ONE* 2015;10(8). IF:3.54
23. Cito L, Indovina P, Forte IM, Pentimalli F, Di Marzo D, Somma P, Barone D, Penon A, Penon D, Ceccherini E, Micheli P, Saragoni L, **Di Domenico M**, Feola A, Roviello F, Mattioli E, Giordano G G, Giordano A. pRb2/p130 localizes to the cytoplasm in diffuse gastric cancer. *J Cell Physiol* 2015;230(4):802-805. IF:3.8725
24. Fiorelli A, Accardo M, Carelli E, Angioletti D, Santini M, **Di Domenico M**. Circulating tumor cells in diagnosing lung cancer: Clinical and morphologic analysis. *Ann Thorac Surg* 2015;99(6):1899-1905. IF:3.625

25. Romano M, De Francesco F, Pirozzi G, Gringeri E, Boetto R, **Di Domenico M**, Zavan B, Ferraro GA, Cillo U. Expression of cancer stem cell biomarkers as a tool for a correct therapeutic approach to hepatocellular carcinoma. *Oncoscience* 2015;2(5):443-456. IF:6.67
26. Santoro A, Bufo P, Russo G, Cagiano S, Papagerakis S, Bucci P, Aquino G, Longo F, Feola A, Giordano A, Di Carlo A, **Di Domenico M**, Pannone G. Expression and clinical implication of cyclooxygenase-2 and e-cadherin in oral squamous cell carcinomas. *Cancer Biol Ther.* 2015;28:0. IF:3.072
27. Santini AC, Pierantoni GM, Gerlini R, Iorio R, Olabinjo Y, Giovane A, **Di Domenico M**, Sogos C. Glix 13, a new drug acting on glutamatergic pathways in children and animal models of autism spectrum disorders. *BioMed Res Int* 2014;234295. IF:2.436
28. Lamberti M, Giovane G, Garzillo EM, Avino F, Feola A, Porto S, Tombolini V, **Di Domenico M**. Animal models in studies of cardiotoxicity side effects from antitubercular drugs in patients and occupational exposed workers. *BioMed Res Int* 2014;240642. IF:2.436
29. Chiarella G, **Di Domenico M**, Petrolo C, Saccomanno M, Rothenberger R, Giordano A, Costanzo F, Cassandro E, Cuda G. A proteomics-driven assay defines specific plasma protein signatures in different stages of Ménière's disease. *J Cell Biochem* 2014;115(6):1097-1100. IF:3.117
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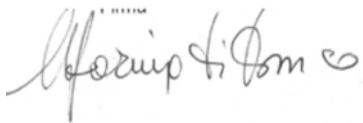
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La Sottoscritta Marina Di Domenico nata a Napoli l'8 -11- 1960, residente a Napoli in Via Guglielmo Melisurgo, 54 80133 Napoli, CF: DDMMRN60S48F839D, dichiara, ai sensi dell'art.46 del D.P.R. n.445/2000, la veridicità di quanto dichiarato nel curriculum stesso.

La Sottoscritta Marina Di Domenico nata a Napoli l'8 -11- 1960, residente a Napoli in Via Guglielmo Melisurgo, 54 80133 Napoli, CF: DDMMRN60S48F839D, autorizza il trattamento dei dati personali contenuti nel mio curriculum vitae in base all'art. 13 del D. Lgs. 196/2003 e all'art. 13 del Regolamento UE 2016/679 relativo alla protezione delle persone fisiche con riguardo al trattamento dei dati personali.

A handwritten signature in black ink, appearing to read 'Marina Di Domenico', with a small circular mark at the end.

Napoli, 05-01-2020