

Curriculum vitae ERIKA DI ZAZZO



Personal information

Place and date of birth: Cassino (FR), 06/05/1982

Nationality: Italian

Work address: University of Molise, Department of Medicine and Health Sciences, Campobasso, Italy

Phone number: Mobile: +39-3494687153

e-mail address: erika.dizazzo@unimol.it;

Education

Member of the Italian Society of General Pathology and Translational Medicine;

Member of the Italian Society of Clinical Pathology and Laboratory Medicine;

September 2024: managerial training course for carrying out tasks relating to the management functions of complex structures;

December 2016: Qualified as clinical Pathology Specialist

December 2008: Qualified as PhD in Signal Transduction Pathology (XXI cycle). Department of General Pathology, Faculty of Medicine and Surgery - II University of Naples, Italy. Thesis title: "PRDM genes family in proliferation and cell differentiation".

2005: Qualified as Professional Biologist at "II University of Naples", Naples, Italy.

July 2005: Graduated in Biology. *Summa cum Laude* from the II University of Naples, Italy.

July 2003: Graduated in Biological Science. *Summa cum Laude* from the II University of Naples, Italy.

Training

June 2019: Visiting Professor at "Nicolaus Copernicus" University, Torun;

July-august 2018: Visiting Scientist at Department of Biochemistry and Molecular Pharmacology NYU Langone Medical Center (New York, USA);

October 2013: Participation at "YOUNG SCIENTISTS MEETING" curated by Italian Society of pathology and translational medicine (SIPMET) and by American Society for Investigative Pathology (ASIP): "From general pathology to molecular and translational medicine"- University "Sapienza", Rome, Italy;

June 2013: Participation at "Initiative for men's health (Ism): Tumors in testicular germ cells (TGCT)" -"II University of Naples", Naples, Italy;

September 2012: Participation at "XXXI Congress of the Italian Society of Pathology in Collaboration with the American Society for Investigative Pathology - University of Udine, Italy;

May 2012: Participation at 48° Congress of the Italian Association of Neuropathology and Clinical Neurobiology (AINeNC) / 38° Congress of the Italian Association of Brain Research (AIRIC), -"II University of Naples", Naples, Italy;

September 2011: Participation at International Congress: "Chemokines and chemokine receptors in cancer: role of microenvironment", National Cancer Institute - IRCCS "Fondazione G.Pascale", Naples,

Italy;

October 2010: Participation at XXX Congress of the Italian Society of Pathology, at University of Salerno, Italy;

December 2008: Operator training on BD FACSCanto by Becton Dickinson Italia S.p.a.;

October 2004: Bioinformatic training-stage with Prof. A. Tramontano at “La Sapienza” University, Rome, Italy;

Work experience

Current work experience: Laboratory Manager Hospital “A. Cardarelli” in Campobasso, Italy

From 11/01/2022 to today: Tutor of the professional training activity (AFP) foreseen by the School of Specialization in Clinical Pathology and Clinical Biochemistry at the U.O.C. of the Analysis Laboratory of the P.O. "TO. Cardarelli" of Campobasso of the Molise Region Health Company (ASReM),

A.A. 2018-2019: Teaching tutor in Clinical Pathology-MED/05 aimed at students enrolled in the three-year degree course in Biomedical Laboratory Techniques, at the Department of Experimental Medicine, University of Campania “Luigi Vanvitelli”;

A.A. 2018/2019: Expert for carrying out School-Work Alternation meetings (III Mission) entitled “The Macromolecules” at the Liceo Scientifico “E. Fermi” of Aversa (CE) in agreement with the Department of Experimental Medicine, University of Campania “Luigi Vanvitelli”;

A.A. 2017-2018: Contract professor of Immunology and elements of Pathology, course of study in Biological Sciences, Department of Biosciences and territory, University of Molise;

A.A. 2017-2018: Contract professor of Immunology (MED/07), course of study in Scientific Medical Informant, Department of Experimental Medicine, University of Campania “Luigi Vanvitelli”;

A.A. 2017/2018: Expert for carrying out School-Work Alternation meetings (III Mission) entitled "Biological macromolecules" at the Liceo Scientifico "E. Fermi" of Aversa (CE) in agreement with the Department of Experimental Medicine, University of Campania “Luigi Vanvitelli”;

A.A. 2016/2017: Expert for carrying out School-Work Alternation meetings (III Mission) entitled "School-work alternation: laboratory of biomolecular methodologies" at the Liceo Scientifico "E. Fermi" of Aversa (CE) in agreement with the Department of Biological and Pharmaceutical Environmental Sciences and Technologies, University of Campania “Luigi Vanvitelli”;

From A.A. 2013-2014 to date: lectures of Clinical Physiopathology applied to exercise sciences, course of study in Exercise and Sports Sciences, Department of Medicine and Health Sciences, University of Molise;

From the academic year 2009/2010 to today: Adjunct professor of General Pathology and Physiopathology (2 CFU), course of study in Dietetics, Department of Medicine and Health Sciences, University of Molise;

From A.A. 20/21 to date: Teacher of the Monographic Seminar course for PhD students of the 37th cycle (Academic years 20/21, 21/22 and 22/23). Activity included in the training course of the PhD Course in Biomolecular Sciences. “Cancer Biology and Therapy” section. Course topic “Steroid hormone receptors in cancer”.

September 2014 to September 2015: Fellowship (12 months) funded by Ministry of Education, University and Research (MIUR) - 2010 at Department of Biochemistry, Biophysics and General Pathology, Faculty of Medicine and Surgery - II University of Naples, Italy. Research project title:

“Tumor stem/ progenitor cells and tumor microenvironment: new therapeutic targets. Role of estrogen and anti-estrogen in the control of the development of human prostate stem cells”. Supervisors: Prof. Gabriella Castoria and Prof. Antonio Agostino Sinisi;

June 2012: Fellowship (12 months) funded by Ministry of Education, University and Research (MIUR) - 2008 at Medicine and Health Science Department, University of Molise. Research project title: "Forced modification expression of PRDM genes in cells derived from testicular tumors, to modulate the characteristics of growth and differentiation; systematic study of PRDM genes expression, in particular PRDM1, PRDM2, PRDM4, PRDM9 and PRDM14 in cells derived from testicular tumors and in neoplastic tissue (seminomas and tumors non-seminomatous)" . Supervisor: Prof. Bruno Moncharmont;

November 2010: Fellowship (12 months) funded by Ministry of Education, University and Research (MIUR) - 2008 at Medicine and Health Science Department, University of Molise. Research project title: "Products of PRDM genes family in testicular germ cell tumor." Supervisor: Prof. Bruno Moncharmont; “Products of PRDM genes family in testicular germ cell tumor”- scientific research of national interest PRIN 2008. Supervisor: Prof. Bruno Moncharmont;

September 2010: Freelance Contract (2 months) funded by the Valeas SpA. Research project title: “Study of immunomodulatory activity of Cefaclor in peripheral blood mononuclear cells from pediatric patients suffering from acute pharyngitis and treated with Cefaclor trough acid nucleic extraction. Integration and analysis of data”. Supervisor: Prof. Roberto Di Marco;

March 2009: Fellowship (10 months) funded by Ministry of Education, University and Research (MIUR) at Medicine and Health Science Department, University of Molise. Research project title: “Products of PRDM genes family as possible effectors of biological action of ligands of nuclear receptors in the differentiation and in the pathogenesis of tumors and their possible use to monitor doping”. Supervisor: Prof. Bruno Moncharmont;

November 2005- December 2008: PhD programme at the II University of Naples - Department of General Pathology.

January 2002-July 2005: Training at the Department of Life Sciences- II University of Naples. Experimental Thesis in biochemistry Supervisors: Prof. A. Parente;

Key words describing past & current research areas

Steroids; signal transduction; breast and prostate cancer; gliomas; testicular germ cell tumors; signal transduction; PRDM family gene; cell proliferation and differentiation; cell cycle; cell biology, migration. Insulin, PI3K and breast cancer.

Technical skills and competences

Cell cultures; Culture and purification of lympho-monocytes from peripheral blood; Transfections; DNA cloning; Gene transcription; Extraction of nucleic acids and analysis by PCR, semiquantitative RT-PCR and q-PCR; Protein purification; SDS-PAGE; Protein expression levels analysis of the of the by Western blot; Analysis of protein-protein interactions through immunoprecipitation; Analysis of the interactions of proteins with DNA by chromatin immunoprecipitation (ChIP); Cell cycle analysis (MTT cell viability assay and flow cytometry); Analysis of potential tumorigenic cell behavior (clonogenic assay, wound healing); Recording, analyzing and reporting the results of experimental work. Good knowledge of sequence comparisons and alignment, exon and protein prediction, sequence databases, primer design and PCR protocols. Microsoft applications and Office package, PhotoShop. Use of SPSS for statistical analysis. Language skills: good command of English (speaking, reading and writing).

Editorial Board member

Guest Editor of the Special issue "Anti-cancer Activity for Cancer Prevention and Treatment" International Journal of Environmental Research and Public Health (https://www.mdpi.com/journal/ijerph/special_issues/LGC)

Guest Editor of the Special issue "Zinc-Finger Proteins in Health and Disease" International Journal of Molecular Sciences (<https://www.mdpi.com/journal/ijms>)

Guest Editor for the Special issue on "Zinc-Finger Proteins in Health and Disease" "International Journal of Molecular Sciences" (<https://www.mdpi.com/journal/ijms>)

Guest Editor for the Special issue on "Zinc-Finger Proteins in Health and Disease: Focus on PRDMs" "International Journal of Molecular Sciences" (<https://www.mdpi.com/journal/ijms>)

Guest Editor for the Special issue on "Alternative Splicing and Human Disease" "Genes" (<https://www.mdpi.com/journal/genes>, ISSN 2073-4425)

Guest Editor for the Special issue on "Sex Steroid Receptors and Growth Factor Receptors as Therapeutic Targets in Multifaced Cancers" "Journal of Oncology" (<https://www.hindawi.com/journals/jo/>)

Guest Editor for the Special issue on "Lifestyle, Gender and Cancers" "International Journal of Environmental Research and Public Health" (https://www.mdpi.com/journal/ijerph/special_issues/LGC)

Topic Editor of the Special issue "New Insights in Diagnosis and Therapy of Hormone-dependent Cancer" Frontiers in Endocrinology (<https://www.frontiersin.org/research-topics/40961/new-insights-in-diagnosis-and-therapy-of-hormone-dependent-cancer>)

Guest Editor for the Special issue "Relationship between Environmental Risk Factors and Cancer"-International Journal of Environmental Research and Public Health (https://www.mdpi.com/journal/ijerph/special_issues/LGC)

Editorial Board Member for Oxygen (<https://www.mdpi.com/journal/oxygen>)

Section Board Member and Topic Editor for "International Journal of Environmental Research and Public Health" (<https://www.mdpi.com/journal/ijerph>)

Topical Advisory Panel Member of International Journal of Molecular Sciences-MDPI

Editorial Board Member for "BioMed Research International"

Editorial Board Member for "Frontiers in BioscienceLandmark"

Editorial Board Member for "Frontiers in Endocrinology"

Editorial Board Member for "Scientific Reports"

Editorial Board Member for "PlosOne"

Publications

Adiponcosis interplay: adipose tissue, microenvironment and prostate cancer

Di Zazzo E, Barone B, Crocetto F. *J Basic Clin Physiol Pharmacol*. 2024 May 27. doi: 10.1515/jbcpp-2024-0057. PMID: 38797918.

Multiple Sclerosis: From the Application of Oligoclonal Bands to Novel Potential Biomarkers. Maglio G, D'Agostino M, Caronte FP, Pezone L, Casamassimi A, Rienzo M, Di Zazzo E, Nappo C, Medici N, Molinari AM, Abbondanza C. *Int J Mol Sci*. 2024 May 15;25(10):5412. doi: 10.3390/ijms25105412. PMID: 38791450; PMCID: PMC11121866.

Acute Effects of Combining Whole-Body Electromyostimulation with Resistance Training in Active Women. Buonsenso A, Centorbi M, Di Martino G, Della Valle C, Di Claudio G, Di Fonza D, Di Zazzo E, Calcagno G, di Cagno A, Fiorilli G. *J Funct Morphol Kinesiol*. 2023 Dec 29;9(1):10. doi: 10.3390/jfmk9010010. PMID: 38249087; PMCID: PMC10801553.

Impact of COVID-19 lockdown on glycemic levels during pregnancy: A retrospective analysis.

Di Zazzo E, Davinelli S, Panichella S, Scapagnini G, Intrieri M, Garofalo S. *Open Med (Wars)*. 2023 Dec 7;18(1):20230862. doi: 10.1515/med-2023-0862. PMID: 38075035; PMCID: PMC10710209.

RIZ2 at the crossroad of the EGF/EGFR signaling in colorectal cancer.

Di Donato M, Di Zazzo E, Salvati A, Sorrentino C, Giurato G, Fiore D, Proto MC, Rienzo M, Casamassimi A, Gazzerro P, Bifulco M, Castoria G, Weisz A, Nassa G, Abbondanza C. *J Transl Med*. 2023 Oct 18;21(1):736. doi: 10.1186/s12967-023-04621-6. PMID: 37853459; PMCID: PMC10585774.

Advances in "adiponcosis": Insights in the inner mechanisms at the base of adipose and tumour tissues interplay.

Pagano C, di Zazzo E, Avilia G, Savarese B, Navarra G, Proto MC, Fiore D, Rienzo M, Gazzerro P, Laezza C, Bifulco M. *Int J Cancer*. 2023 Jun 15;152(12):2464-2473. doi: 10.1002/ijc.34355.

Exploring the putative role of PRDM1 and PRDM2 transcripts as mediators of T lymphocyte activation.

Di Zazzo E, Rienzo M, Casamassimi A, De Rosa C, Medici N, Gazzerro P, Bifulco M, Abbondanza C. *J Transl Med*. 2023 Mar 24;21(1):217. doi: 10.1186/s12967-023-04066-x.

History of how viruses can fight cancer: From the miraculous healings to the approval of oncolytic viruses.

Bifulco M, Di Zazzo E, Napolitano F, Malfitano AM, Portella G. *Biochimie*. 2023 Mar; 206:89-92. doi: 10.1016/j.biochi.2022.10.008.

Liquid Biopsy and Cancer: An Ongoing Story.

Di Zazzo E, Intrieri M, Davinelli S. *J Clin Med*. 2023 Apr 4;12(7):2690. doi: 10.3390/jcm12072690.

Vitamin D, a Regulator of Androgen Levels, Is Not Correlated to PSA Serum Levels in a Cohort of the Middle Italy Region Participating to a Prostate Cancer Screening Campaign Crocetto F, Barone B, D'Aguzzo G, Falcone A, de Vivo R, Rienzo M, Recchia L, Di Zazzo E. *J Clin Med*. 2023 Feb 24;12(5):1831. doi: 10.3390/jcm12051831.

A Novel Low-Cost Uroflowmetry for Patient Telemonitoring.

Pandolfo SD, Crauso F, Aveta A, Cilio S, Barone B, Napolitano L, Scarpato A, Mirto BF, Serino F, Del Giudice F, Chung BI, Crocerossa F, Di Zazzo E, Trama F, Vaglio R, Wu Z, Verze P, Imbimbo C, Crocetto F. *Int J Environ Res Public Health*. 2023 Feb 13;20(4):3287. doi: 10.3390/ijerph20043287.

Editorial: New insights in diagnosis and therapy of hormone-dependent cancer.

Rienzo M, Pagano C, Crocetto F, Di Zazzo E. *Front Endocrinol (Lausanne)*. 2023 Jan 10;13:1115341. doi: 10.3389/fendo.2022.1115341.

The Impact of Meat Intake on Bladder Cancer Incidence: Is It Really a Relevant Risk?

Aveta A, Cacciapuoti C, Barone B, Di Zazzo E, Del Giudice F, Maggi M, Ferro M, Terracciano D, Busetto GM, Lucarelli G, Tataru OS, Montanari E, Mirto BF, Falcone A, Giampaglia G, Sicignano E, Capone F, Villano G, Angellotto P, Manfredi C, Napolitano L, Imbimbo C, Pandolfo SD, Crocetto F. *Cancers (Basel)*. 2022 Sep 29;14(19):4775. doi: 10.3390/cancers14194775.

Testicular Immunity and Its Connection with the Microbiota. Physiological and Clinical Implications in the Light of Personalized Medicine.

Santacroce L, Imbimbo C, Ballini A, Crocetto F, Scacco S, Cantore S, Di Zazzo E, Colella M, Jirillo E. *J Pers Med*. 2022 Aug 20;12(8):1335. doi: 10.3390/jpm12081335.

The Role of Curcumin in Prostate Cancer Cells and Derived Spheroids.

Boccellino M, Ambrosio P, Ballini A, De Vito D, Scacco S, Cantore S, Feola A, Di Donato M, Quagliuolo L, Sciarra A, Galasso G, Crocetto F, Imbimbo C, Boffo S, Di Zazzo E, Di Domenico M. *Cancers (Basel)*. 2022 Jul 9;14(14):3348. doi: 10.3390/cancers14143348.

Liquid Biopsy in Prostate Cancer Management-Current Challenges and Future Perspectives. Crocetto F, Russo G, Di Zazzo E, Pisapia P, Mirto BF, Palmieri A, Pepe F, Bellevicine C, Russo A, La Civita E, Terracciano D, Malapelle U, Troncone G, Barone B. *Cancers (Basel)*. 2022 Jul 4;14(13):3272. doi: 10.3390/cancers14133272.

Immune Checkpoint Inhibitors as a Neoadjuvant/Adjuvant Treatment of Muscle-Invasive Bladder Cancer: A Systematic Review.

Barone B, Calogero A, Scafuri L, Ferro M, Lucarelli G, Di Zazzo E, Sicignano E, Falcone A, Romano L, De Luca L, Oliva F, Mirto BF, Capone F, Imbimbo C, Crocetto F. *Cancers (Basel)*. 2022 May 21;14(10):2545.

The nineteenth-century experience of the kingdom of the two Sicilies on mandatory vaccination: An Italian phenomenon?

Bifulco M, Di Zazzo E, Pisanti S, Martini M, Orsini D. *Vaccine*. 2022 May 31;40(25):3452-3454.

Novel Therapeutic Opportunities in Neoadjuvant Setting in Urothelial Cancers: A New Horizon Opened by Molecular Classification and Immune Checkpoint Inhibitors.

Iacovino ML, Miceli CC, De Felice M, Barone B, Pompella L, Chiancone F, Di Zazzo E, Tirino G, Della Corte CM, Imbimbo C, De Vita F, Crocetto F. *Int J Mol Sci*. 2022 Jan 20;23(3):1133.

PRDM12 in Health and Diseases.

Rienzo M, Di Zazzo E, Casamassimi A, Gazzerro P, Perini G, Bifulco M, Abbondanza C. *Int J Mol Sci*. 2021 Nov 6;22(21):12030. doi: 10.3390/ijms222112030.

Kaempferol, Myricetin and Fisetin in Prostate and Bladder Cancer: A Systematic Review of the Literature.

Crocetto F, di Zazzo E, Buonerba C, Aveta A, Pandolfo SD, Barone B, Trama F, Caputo VF, Scafuri L, Ferro M, Cosimato V, Fusco F, Imbimbo C, Di Lorenzo G. *Nutrients*. 2021 Oct 23;13(11):3750. doi: 10.3390/nu13113750.

H9c2 Cardiomyocytes under Hypoxic Stress: Biological Effects Mediated by Sentinel Downstream Targets.

Boccellino M, Galasso G, Ambrosio P, Stiuso P, Lama S, Di Zazzo E, Schiavon S, Vecchio D, D'ambrosio L, Quagliuolo L, Feola A, Frati G, Di Domenico M. *Oxid Med Cell Longev*. 2021 Sep 30;2021:6874146. doi: 10.1155/2021/6874146. eCollection 2021. PMID: 34630851 Free PMC article.

The androgen receptor/filamin A complex as a target in prostate cancer microenvironment

Di Donato M, Zamagni A, Galasso G, Di Zazzo E, Giovannelli P, Barone MV, Zannoni M, Gunelli R, Costantini M,

Auricchio F, Migliaccio A, Tesei , and Castoria G. Cell Death and Disease. 2021; 12:127
<https://doi.org/10.1038/s41419-021-03402-7>

Searching for a Putative Mechanism of RIZ2 Tumor-Promoting Function in Cancer Models.

Rienzo M, Sorrentino A, Di Zazzo E, Di Donato M, Carafa V, Marino MM, De Rosa C, Gazzo P, Castoria G, Altucci L, Casamassimi A, Abbondanza C. *Front Oncol.* 2021 Jan 29;10:583533. doi: 10.3389/fonc.2020.583533. eCollection 2020.

Obesity and Cancer: Linked Molecular Mechanisms

Di Zazzo E. et al. (2020). In: Faintuch J., Faintuch S. (eds) *Obesity and Diabetes*. Springer, Cham.
https://doi.org/10.1007/978-3-030-53370-0_28

The Crosstalk between Prostate Cancer and Microbiota Inflammation: Nutraceutical Products Are Useful to Balance This Interplay?

Crocetto F, Boccellino M, Barone B, Di Zazzo E, Sciarra A, Galasso G, Settembre G, Quagliuolo L, Imbimbo C, Boffo S, Angelillo IF, Di Domenico M.
Nutrients. 2020;12(9): E2648. doi: 10.3390/nu12092648.

Dual-specificity phosphatase (DUSP6) in human glioblastoma: epithelial-to-mesenchymal transition (EMT) involvement.

Zuchegna C, Di Zazzo E, Moncharmont B, Messina S.
BMC Res Notes. 2020, 13(1):374.

Multifaceted Role of PRDM Proteins in Human Cancer.

Casamassimi A, Rienzo M, Di Zazzo E, Sorrentino A, Fiore D, Proto MC, Moncharmont B, Gazzo P, Bifulco M, Abbondanza C.
Int J Mol Sci. 2020, 21(7):2648. doi: 10.3390/ijms21072648.

ROS in cancer therapy: the bright side of the moon.

Perillo B, Di Donato M, Pezone A, Di Zazzo E, Giovannelli P, Galasso G, Castoria G, Migliaccio A.
Exp Mol Med. 2020 Feb;52(2):192-203. doi: 10.1038/s12276-020-0384-2. Epub 2020 Feb 14.

Breast cancer stem cells: The role of sex steroid receptors

Giovannelli P, Di Donato M, Galasso G, Di Zazzo E, Medici N, Bilancio A, Migliaccio A, Castoria G.
World J Stem Cells. 2019 Sep 26;11(9):594-603. doi: 10.4252/wjsc.v11.i9.594.

Estrogen Receptors in Epithelial-Mesenchymal Transition of Prostate Cancer.

Di Zazzo E, Galasso G, Giovannelli P, Di Donato M, Bilancio A, Perillo B, Sinisi AA, Migliaccio A, Castoria G.
Cancers (Basel). 2019 Sep 23;11(10). pii: E1418. doi: 10.3390/cancers11101418.

Activation of Kv7 Potassium Channels Inhibits Intracellular Ca²⁺ Increases Triggered By TRPV1-Mediated Pain-Inducing Stimuli in F11 Immortalized Sensory Neurons.

Ambrosino P, Soldovieri MV, Di Zazzo E, Paventi G, Iannotti FA, Mosca I, Miceli F, Franco C, Canzoniero LMT, Tagliatella M.
Int J Mol Sci. 2019 Sep 4;20(18). pii: E4322. doi: 10.3390/ijms20184322.

Adiponectin as Link Factor between Adipose Tissue and Cancer

Di Zazzo E., Polito R., Bartollino S., Nigro E., Porcile C., Bianco A., Daniele A., and Moncharmont B
International Journal of Molecular Sciences 2019, 20(4). doi: 10.3390/ijms20040839.

ESTROGENS MODULATE SOMATOSTATIN RECEPTORS EXPRESSION AND SYNERGIZE WITH THE SOMATOSTATIN ANALOGUE, PASIREOTIDE, IN PROSTATE CELLS.

Valentina Rossi, Erika Di Zazzo, Giovanni Galasso, Caterina De Rosa, Ciro Abbondanza, Antonio Sinisi, Lucia Altucci, Antimo Migliaccio and Gabriella Castoria
Front. Pharmacol. | doi: 10.3389/fphar.2019.00028

The Androgen Receptor in Breast Cancer

P. Giovannelli, M. Di Donato, G. Galasso, E. Di Zazzo, A. Bilancio, A. Migliaccio
Front. Endocrinol., 2018 <https://doi.org/10.3389/fendo.2018.00492>

Estrogens and Their Receptors in Prostate Cancer: Therapeutic Implications

E. Di Zazzo, G. Galasso, P. Giovannelli, M. Di Donato and G. Castoria
Front. Oncol., 2018 | <https://doi.org/10.3389/fonc.2018.00002>

The master regulator gene PRDM2 controls C2C12 myoblasts proliferation and Differentiation switch and PRDM4 and PRDM10 expression.

Di Zazzo E, Bartollino S, Moncharmont B.
Insights Biol Med. 2017; 1: 075-091.

Surface Plasmon Resonance technology to assess biological interactions.

Bartollino S, Medoro A, Mignogna D, di Zazzo E, Moncharmont B.
Insights Biol Med. 2017; 1: 039-044.

Early and Late Induction of KRAS and HRAS Proto-Oncogenes by Reactive Oxygen Species in Primary Astrocytes.

Messina S, Di Zazzo E, Moncharmont B.
Antioxidants (Basel). 2017 Jun 29;6(3). pii: E48. doi: 10.3390/antiox6030048.

New insights into human testicular germ cell tumors: miR-223-3p gains oncogene function

Di Zazzo E, Moncharmont B.
Translational Cancer Research Vol 6, Supplement 2, March 2017

Critical Function of PRDM2 in the Neoplastic Growth of Testicular Germ Cell Tumors.

Di Zazzo E, Porcile C, Bartollino S, Moncharmont B.
Biology (Basel). 2016; 5(4). pii: E54.

Prostate cancer stem cells: the role of androgen and estrogen receptors.

Di Zazzo E, Galasso G, Giovannelli P, Di Donato M, Di Santi A, Cerneria G, Rossi V, Abbondanza C, Moncharmont B, Sinisi AA, Castoria G, Migliaccio A.
Oncotarget. 2016; 7(1):193-208. doi: 10.18632/oncotarget.6220.

The dual role of androgen receptor in mesenchymal cells.

P. Giovannelli, M. Di Donato, G. Cerneria, A. Di Santi, G. Galasso, E. Di Zazzo, F. Vitale, G. Castoria, A. Migliaccio
Receptor Clin Invest 2015; 2: e664. doi: 10.14800/rci.664.

The p85 Regulatory Subunit of PI3K Mediates cAMP-PKA and Insulin Biological Effects on MCF-7 Cell Growth and Motility

E. Di Zazzo, A. Feola, C. Zuchegna, A. Romano, C. F. Donini, S. Bartollino, C. Costagliola, R. Frunzio, P. Laccetti, M. Di Domenico, and A. Porcellini
ScientificWorldJournal. 2014;2014:565839. doi: 10.1155/2014/565839. Epub 2014 Jul 9.

Adiponectin receptors as novel regulators of cell proliferation in human glioblastoma

Porcile C., Di Zazzo E., Monaco M.L., D'Angelo G., Passarella D., Russo C., Di Costanzo A., Pattarozzi A., Gatti M., Bajetto A., Zona G., Barbieri F., Oriani G., Florio T., Daniele A.
J Cell Physiol. 2014;229(10):1444-54. doi: 10.1002/jcp.24582

PRDM proteins: molecular mechanisms in signal transduction and transcriptional regulation

E. Di Zazzo, C. De Rosa, C. Abbondanza and B. Moncharmont- Review
Biology 2013, 2, 107-141 doi: 10.3390/biology 2010107 ISSN 2079-7737

The p85 α regulatory subunit of PI3K mediates cAMP-PKA and Retinoic Acid biological effects on Mutants on MCF-7 Cell Growth and migration.

Donini C. F., Di Zazzo E., Zuchegna C., Di Domenico M., D'inzeo S., Nicolussi A., Avvedimento E. V., Coppa A., Porcellini A.
Int J Oncol. 2012, 40 (5):1627-35. doi: 10.3892/ijo.2012.1383

Identification of a functional estrogen-responsive enhancer element in the promoter 2 of PRDM2 gene in breast cancer cell lines.

Abbondanza C, De Rosa C, D'Arcangelo A, Pacifico M, Spizuoco C, Piluso G, Di Zazzo E, Gazzerro P, Medici N, Moncharmont B, Puca GA.
J Cell Physiol. 2012 Mar;227(3):964-75. doi: 10.1002/jcp.22803

Dual-specificity phosphatase DUSP6 has tumor-promoting properties in human glioblastomas.

Messina S, Frati L, Leonetti C, Zuchegna C, Di Zazzo E, Calogero A, Porcellini A.
Oncogene. 2011 Sep 1;30(35):3813-20. doi: 10.1038/onc.2011.99

PRDM2 (PR domain containing 2, with ZNF domain)

Di Zazzo E, Moncharmont B.
Atlas Genet Cytogenet Oncol Haematol. 2009; 13(1):24-27.

Invariant Ser211 is involved in the catalysis of PD-L4, type I RIP from *Phytolacca dioica* leaves.

Chambery A., Pisante M., Di Maro A., Di Zazzo E., Ruvo M., Costantini S., Colonna G., Parente A.
Proteins. 2007 Apr 1;67(1):209-18.

Conference and Presentation

Nucleo-Cytoplasmic Shuttling of Progesterone Receptor and Cell Cycle Progression of Breast Cancer Cells

G. Galasso, E. Di Zazzo, M. Di Donato, P. Giovannelli, B. Perillo, A. Migliaccio, G. Castoria
Journal of BIOLOGICAL REGULATORS & Homeostatic Agents 2018

Cross-Talk Between Androgen Receptor and NGF Receptor (TrkA) In Neuronal Cells

M. Di Donato, P. Giovannelli, G. Cernera, E. Di Zazzo, A. Di Santi, G. Galasso, F. Vitale, A. Bilancio, F. Auricchio, G. Castoria, A. Migliaccio
American Journal of Pathology October 2016, Vol. 186, Suppl. Abstract no. A5

The Androgen Receptor In Human Skeletal Muscle Biopsies

G. Cernera, M. Di Donato, P. Giovannelli, G. Galasso, A. Di Santi, E. Di Zazzo, F. Vitale, G. Iolascon, A. Migliaccio, G. Castoria
American Journal of Pathology October 2016, Vol. 186, Suppl. Abstract no. A6

Expression of shorter isoforms of retinoblastoma interacting zinc-finger protein in seminoma tissues

Valentina Rossi, Caterina De Rosa · Ciro Abbondanza · Erika Di Zazzo · Bruno Montcharmont · Antonio Agostino Sinisi
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Role of the androgen receptor in prostate cancer-associated fibroblasts

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Oligomers of Amyloid Beta-peptides 1-40 and 1-42 Regulate Monocytes Migration In Vitro and In Vivo

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