



CURRICULUM VITAE MONICA DI PADOVA

PERSONAL INFORMATION	Monica Di Padova Department Biotechnological and Applied Clinical Sciences Street Vetoio – 67100 Coppito (AQ) "Angelo Camillo De Meis" building- COPPITO 2 – 1 st Floor – Corridor A – Room 28. email: monica.dipadova@univaq.it
CURRENT POSITION	Confirmed Researcher (Assistant professor) in "Clinical Pathology", S.S.D. MED/05, at University of L'Aquila - Italy
EDUCATION OTHER QUALIFICATIONS	1997: Single 2nd Cycle Degree in Biological Sciences, University of Rome 'La Sapienza'. Honor 108/110. 1999: Professional Biologist qualification, University of Rome 'La Sapienza'. Honor 123/150. 2005: Postgraduate specialization school in "Clinical Pathology", School of Medicine University of L'Aquila. Honor 50/50 magna cum laude. 2005/2007: two years of attendance PhD program in Experimental Medicine and Endocrinology, University of L'Aquila - Italy. October 1st, 2007/To date: Researcher in "Clinical Pathology", S.S.D. MED05, at University of L'Aquila - Italy
ACADEMIC APPOINTMENTS	Member of the PhD Program Committee in "Experimental Medicine and Endocrinology" XXV cycle, University of L'Aquila, Italy Member of the PhD Program Committee in "Experimental Medicine and Endocrinology" XXVI cycle, University of L'Aquila, Italy Member of the PhD Program Committee in "Experimental Medicine and Endocrinology" XXVII cycle, University of L'Aquila, Italy Member of the PhD Program Committee in "Experimental Medicine and Endocrinology" XXVIII cycle, University of L'Aquila, Italy Member of the Review Board for the VQR 2004-2010, for the evaluation of the research produced in the Italian universities and Research Centers, supervised by MIUR, in the period 2004-2010 (VQR 2004- 2010) by the National Agency for Evaluation of the University System and Research (ANVUR) of Italy. From October 2018 to date: Coordinator of Degree Program (Master's Degree in Medical Biotechnology, Dept. of Biotechnological and Applied Clinical Sciences, University of L'Aquila).



TEACHING EXPERIENCE

Teaching Activity, in Clinical Pathology (SSD MED/05), at School of Medicine - University of L'Aquila.

- Academic year 2008/2009:

1st cycle degree courses: Nutrition and Diet; Prevention Techniques for the Environment and the Workplace

Specialization Schools for the health sector in: General Surgery; Digestive Surgery; Hematology; Hygiene and Preventive Medicine; Cardiovascular Diseases; Urgent Emergency; Medical Oncology; Clinical Pathology.

- Academic year 2009/2010

Single 2nd Cycle degree course: Dentistry.

Specialization Schools for the health sector in: General Surgery; Digestive Surgery; Hematology; Hygiene and Preventive Medicine; Cardiovascular Diseases; Urgent Emergency; Medical Oncology; in Clinical Biochemistry; Clinical Pathology.

- Academic year. 2010/2011

Specialization Schools for the health sector in: General Surgery; Digestive Surgery; Hematology; Hygiene and Preventive Medicine; Cardiovascular Diseases; Urgent Emergency; Medical Oncology; in Clinical Biochemistry; Clinical Pathology.

- Academic year 2011/2012

Single 2nd Cycle degree course: Dentistry.

Teaching Activity, in Clinical Pathology (SSD MED/05), at Sport Sciences Faculty- University of L'Aquila.

- Academic year 2008/2009 and Academic year 2009/2010

2nd cycle degree courses: Sciences and Techniques of Sport (75/S); Adaptive and Preventive Sport Sciences and Techniques (76/S).

Teaching Activity in Clinical Pathology (SSD MED/05), at Department of Life, Health and Environmental Sciences and Department of Biotechnological and Applied Clinical Sciences- University of L'Aquila.

- From Academic year 2011/2012 to Academic year 2013/2014

Specialization Schools for the health sector in: General Surgery; Digestive Surgery; Hematology; Cardiovascular Diseases; Urgent Emergency; Medical Oncology; Clinical Biochemistry; Clinical Pathology.

- From Academic year 2012/13 to Academic year. 2015/2016 and Academic year 2020-2021

Single 2nd Cycle degree course: Dentistry.

- Academic year 2014/2015

Specialization Schools for the health sector in: Cardiovascular Diseases; Urgent Emergency; Sports and Exercise Medicine, Clinical Pathology.

- From Academic year 2013/2014 to date

2nd Cycle Degree in Medical Biotechnology

- From Academic year 2015/2016 to date

First level Specializing-Master in Molecular Diagnostics of Genetic, Tumorous and Infective Diseases

- Academic year 2015/2016

Specialization Schools for the health sector in: Cardiovascular Diseases;



	<p>Urgent Emergency;</p> <ul style="list-style-type: none"> Academic year 2016/2017 <p>Specialization School for the health sector in: Urgent Emergency.</p> <ul style="list-style-type: none"> From Academic year 2017/2018 to date <p>Specialization Schools for the health sector in: Cardiovascular Diseases; Urgent Emergency; Specialization School in Clinical Pathology and Clinical Biochemistry.</p>
--	--

RESEARCH ACTIVITIES	<p>1996 /1998: Laboratory of Cell Metabolism and Pharmacokinetics, Regina Elena Cancer Institute, Rome; Italy. Graduate student and annual post-graduate training Field of research:</p> <ul style="list-style-type: none"> Effect of anti-tumor drug and local anesthetic on energy metabolism in tumor cells. Multi-drug resistance and modulation of energy metabolism in tumor cells. <p>1998/1999: Laboratory of Cell Metabolism and Pharmacokinetics, Regina Elena Cancer Institute, Rome; Italy. Research Collaborator for the projects supported by grants from ' Ministero della Sanità ' . Field of research:</p> <ul style="list-style-type: none"> Discovery and characterization of new protein-protein interactions using a 'two hybrid system' <p>2000 / 2002: Laboratory of Cell Metabolism and Pharmacokinetics, Regina Elena Cancer Institute, Rome; Italy. 'Mario and Valeria Rindi "scholarship for Cancer Research from Italian Foundation for Cancer Research (FIRC) Field of research:</p> <ul style="list-style-type: none"> Characterization of novel human gene, Che-1, which interacts with Retinoblastoma protein and RNA polymerase II subunit 11. <p>2003/2005: Laboratory of Muscle Biology - Muscle Gene Expression Group, National Institute of Arthritis and Musculoskeletal and Skin Diseases, National Institute of Health, Department of Health and Human Services of Bethesda, Maryland (USA). J1 Research Scholar Field of research:</p> <ul style="list-style-type: none"> Molecular and cellular basis of the effects of the epigenetic modifications during muscle differentiation. Follistatin involvement in the recovery of dystrophic mice treated with HDAC inhibitors. <p>2005 /2007: two years of attendance PhD program in Experimental Medicine and Endocrinology, XXI cycle University of L'Aquila - Italy. Field of research:</p> <ul style="list-style-type: none"> Muscle gene regulation during skeletal muscle differentiation.
----------------------------	--



	<p>October 1st, 2007 to date: Researcher in "Clinical Pathology", S.S.D. MED05, at University of L'Aquila - Italy. Field of research:</p> <ul style="list-style-type: none"> • Cell cycle control, DNA damage response and cell differentiation in normal and tumor cells: validation of new targets for preventive / therapeutic strategies. • Validation of new strategies to identify new bio-markers in neoplastic cell lines. • Muscle gene expression regulation: characterization of new targets in order to support myogenesis / regeneration in pathologies related to the de-regulation of muscle homeostasis. <p>Scientific Responsible of University Research Funds (ex 60% and RIA) Department of Experimental Medicine / Department of Applied Clinical Sciences and Biotechnology, University of L'Aquila.</p> <p>PRIN 2012: Participant in the Research Program. Project Title: Identificazione, sintesi sostenibile e studio dell'efficacia di nuovi farmaci molecolari nei tumori del sistema nervoso. Principal investigator Fabrizio Giancarlo Scientific coordinator of work unit Di Marcotullio Lucia Protocol 2012C5YJSK_002</p> <p>PRIN 2017: Participant in the Research Program. Project Title: Interfering with NF-Kappa B activation in human cancer. Principal investigator Francesca Zazzeroni Scientific Coordinator of work unit Francesca Zazzeroni Protocol 2017WLKYAM_001.</p> <p>2019: Principal Investigator University Research Funds " SPECIAL RESEARCH PROJECT: RIA 2019" Project title: Definition of Che-1/AATF as a novel key player in skeletal myogenesis: implications in muscle transformation and regeneration. Department of Applied Clinical Sciences and Biotechnology, University of L'Aquila.</p>
--	--

<p align="center">RESPONSIBILITY IN ACADEMIC ACTIVITIES</p>	<p>From October 2018 to date: Coordinator of Degree Program (Master's Degree in Medical Biotechnology, Dept. of Biotechnological and Applied Clinical Sciences, University of L'Aquila).</p> <p>From October 2018 to date: Member of the Teaching board of the Biotechnology Area Dept. of Biotechnological and Applied Clinical Sciences, University of L'Aquila.</p> <p>From October 2018 to date: Member of the "Quality Assurance Group / Review group" of the CLM Medical Biotechnology - Dept. of Biotechnological and Applied Clinical Sciences, University of L'Aquila.</p>
--	---



	<p>From 1st January 2021 to date: Member of the communication and website board - Dept. of Biotechnological and Applied Clinical Sciences, University of L'Aquila.</p> <p>From 1st January 2021 to date: Member of Teaching and Orientation board - Dept. of Biotechnological and Applied Clinical Sciences, University of L'Aquila.</p>
--	--

SCIENTIFIC ACHIEVEMENTS BIBLIOMETRIC INDICATORS	Scopus Author ID: : 6602880837 http://orcid.org/0000-0003-3808-7159
--	---

SELECTED PUBLICATIONS	<p>-ANGELUCCI A, DELLE MONACHE S, CORTELLINI A, DI PADOVA M, FICORELLA (2018) Vessels in the Storm: Searching for Prognostic and Predictive Angiogenic Factors in Colorectal Cancer. C.INT J MOL SCI. Jan ;19(1):299. doi: 10.3390/ijms19010299.</p> <p>-CIPRIANI P, DI BENEDETTO P, LIAKOULI V, DEL PAPA B, DI PADOVA M, DI IANNI M, MARRELLI A, ALESSE E, GIACOMELLI R. (2013) Mesenchymal Stem Cells (MSCs) from Scleroderma patients (SSc) preserve their immunomodulatory properties although senescent and normally induce T regulatory cells (Tregs) with a functional phenotype: implications for cellular based therapy. CLIN EXP IMMUNOL. AUG;173(2):195-206. ISSN: 00099104</p> <p>-BRUNO T, IEZZI S, DE NICOLA F, DI PADOVA M, DESANTIS A, SCARSELLA M, DI CERTO MG, LEONETTI C, FLORIDI A, PASSANANTI C, FANCIULLI M (2008). Che-1 activates XIAP expression in response to DNA damage. CELL DEATH AND DIFFERENTIATION, vol. 15 (3), p. 515-520, ISSN: 1350-9047.</p> <p>-DI PADOVA M, CARETTI G, ZHAO P, HOFFMAN EP, SARTORELLI V (2007). Myod acetylation influences temporal patterns of skeletal muscle gene expression. THE JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 282 (52), p. 37650-37659, ISSN: 0021-9258.</p> <p>- DE NICOLA F, BRUNO T, IEZZI S, DI PADOVA M, FLORIDI A, PASSANANTI C, DEL SAL G, FANCIULLI M (2007). The prolyl isomerase Pin1 affects CHE-1 stability in response to apoptotic DNA damage. THE JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 282 (27), p. 19685-196891, ISSN: 0021-9258.</p>
------------------------------	--



-CARETTI G, SCHILTZ RL, DILWORTH FJ, DI PADOVA M, ZHAO P, OGRYZKO V, FULLER-PACE FV, HOFFMAN EP, TAPSCOTT SJ, SARTORELLI V (2006). The RNA Helicases p68/p72 and the Noncoding RNA SRA Are Coregulators of MyoD and Skeletal Muscle Differentiation. DEVELOPMENTAL CELL, vol. 11 (4), p. 547-560, ISSN: 1534-5807.

-MINETTI GC, COLUSSI C, ADAMI R, SERRA C, MOZZETTA C, PARENTE V, FORTUNI S, STRAINO S, SAMPAOLESI M, DI PADOVA M, ILLI B, GALLINARI P, STEINKUHLER C, CAPOGROSSI MC, SARTORELLI V, BOTTINELLI R, GAETANO C, PURI PL (2006). Functional and morphological recovery of dystrophic muscles in mice treated with deacetylase inhibitors. NATURE MEDICINE, vol. 12 (10), p. 1147-1150, ISSN: 1078-8956.

-BRUNO T, DE NICOLA F, IEZZI S, LECIS D, DANGELO C, DI PADOVA M, CORBI N, DIMIZIANI L, ZANNINI L, JEKIMOV S, SCARSELLA M, PORRELLO A, CHERSI A, CRESCENZI M, LEONETTI C, KHANNA K, SODDU S, FLORIDI A, PASSANANTI C, DELIA D AND FANCIULLI M (2006). Che-1/AATF phosphorylation by ATM/ATR and Chk2 kinases activates p53 transcription and the G2/M checkpoint. CANCER CELL, vol. 10 (6), p. 473-486, ISSN: 1535-6108.

-CORBI N, BRUNO T, DE ANGELIS R, DI PADOVA M, LIBRI V, DI CERTO MG, SPINARDI L, FLORIDI A, FANCIULLI M, PASSANANTI C (2005). RNA polymerase II subunit 3 is retained in the cytoplasm by its interaction with HCR, the psoriasis vulgaris candidate gene product. JOURNAL OF CELL SCIENCE, vol. 118 (Pt.18), p. 4253-4260, ISSN: 0021-9533.

-IEZZI S, DI PADOVA M, SERRA C, CARETTI G, SIMONE C, MAKLAN E, MINETTI G, ZHAO P, HOFFMAN EP, PURI PL, SARTORELLI V (2004). Deacetylase inhibitors increase muscle cell size by promoting myoblast recruitment and fusion through induction of follistatin. DEVELOPMENTAL CELL, vol. 6 (5), p. 673-684, ISSN: 1534-5807.

-CARETTI G, DI PADOVA M, MICALES B, LYONS GE, SARTORELLI V (2004). The Polycomb Ezh2 Methyltransferase regulates muscle gene expression and skeletal muscle differentiation. GENES & DEVELOPMENT, vol. 18, p. 2627-2638, ISSN: 0890-9369.

-DE ANGELIS R, IEZZI S, BRUNO T, CORBI N, DI PADOVA M, FLORIDI A, FANCIULLI M, PASSANANTI C (2003). Functional interaction of the subunit 3 of RNA polymerase II (RPB3) with transcription factor-4 (ATF4). FEBS LETTERS, vol. 547, p. 15-19, ISSN: 0014-5793.

-DI PADOVA M, BRUNO T, DE NICOLA F, IEZZI S, D'ANGELO C, GALLO R, NICOSIA D, CORBI N, BIROCCIO A, FLORIDI A, PASSANANTI C, FANCIULLI M (2003). Che-1 arrests human colon carcinoma cell proliferation by displacing HDAC1 from the p21WAF1/CIP1 promoter. THE



JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 278 (38), p. 36496-36504, ISSN: 0021-9258.

-CORBI N, DI PADOVA M, DE ANGELIS R, BRUNO T, LIBRI V, IEZZI S, FLORIDI A, FANCIULLI M. AND PASSANANTI C (2002). The a-like RNA Polymerase II core subunit 3 (RPB3) is involved in tissue-specific transcription and muscle differentiation via interaction with the myogenic factor Myogenin. FASEB JOURNAL, vol. 16(12), p. 1639-1641., ISSN: 0892-6638.

-BRUNO T, DE ANGELIS R, DE NICOLA F, BARBATO C, DI PADOVA M, CORBI N, LIBRI V, BENASSI B, MATTEI E, CHERSI A, SODDU S, FLORIDI A, PASSANANTI C, FANCIULLI M (2002). Che-1 affects cell growth by interfering with the recruitment of HDAC1 by Rb. CANCER CELL, vol. 2 (5), p. 387-399, ISSN: 1535-6108.

-FANCIULLI M, BRUNO T, GIOVANNELLI A, GENTILE F.P, DI PADOVA M, RUBIU O, FLORIDI A (2000). Energy metabolism of human LoVo colon carcinoma cells: correlation to drug resistance and influence of Lonidamine. CLINICAL CANCER RESEARCH, vol. 6 (4), p. 1590-1597, ISSN: 1078-0432.

-FANCIULLI M, BRUNO T, DI PADOVA M, DE ANGELIS R, IEZZI S, IACOBINI C, FLORIDI A, PASSANANTI C (2000). Identification of a novel partner of RNA polymerase II subunit 11, Che-1, which interacts with and affects the growth-suppression function of Rb. FASEB JOURNAL, vol. 14 (7), p. 904-912, ISSN: 0892-6638.

-BRUNO T, CORBI N, DI PADOVA M, DE ANGELIS R, FLORIDI A, PASSANANTI C, FANCIULLI M (1999). The RNA polymerase II core subunit 11 interacts with keratin 19, a component of the intermediate filament proteins. FEBS LETTERS, vol. 453 (3), p. 273-277, ISSN: 0014-5793.

-FLORIDI A, DI PADOVA M, BARBIERI R, ARCURI E (1999). Effect of local anesthetic ropivacaine on isolated rat liver mitochondria. BIOCHEMICAL PHARMACOLOGY, vol. 58 (6), p. 1009-1016, ISSN: 0006-2952.

-BONETTO F, FANCIULLI M, BATTISTA T, DE LUCA A, RUSSO P, BRUNO T, DE ANGELIS R, DI PADOVA M, GIORDANO A, FELSANI A, PAGGI MG (1999). Interaction between the pRb2/p130 C-terminal domain and the N-terminal portion of Cyclin D3. JOURNAL OF CELLULAR BIOCHEMISTRY, vol. 75 (4), p. 698-709, ISSN: 0730-2312.

-FANCIULLI M, BRUNO T, DI PADOVA M, DE ANGELIS R, LOVARI S, FLORIDI A, PASSANANTI C (1998). The interacting RNA polymerase II subunits, hRPB11 and hRPB3, are coordinately expressed in adult human tissues and down regulated by doxorubicin. FEBS LETTERS, vol. 427 (2), p.



	<p>236-240, ISSN: 0014-5793.</p> <p>-BRUNO T, GENTILE FP, DI PADOVA M, ANTONUCCI E, RUBIU O, DOLO V, PAVAN A, FLORIDI A (1998). Thermal behavior of human melanoma cell line in vitro and enhancement of hyperthermic response by bupivacaine. ONCOLOGY RESEARCH, vol. 10 (3), p. 143-150, ISSN: 0965-0407.</p> <p>-DI PADOVA M, BARBIERI R, FANCIULLI M, ARCURI E, FLORIDI A (1998). Effect of local anesthetic ropivacaine on the energy metabolism of Ehrlich ascites tumor cells. ONCOLOGY RESEARCH, vol. 10 (10), p. 491-498, ISSN: 0965-0407.</p>
--	---

FEBRUARY 28th, 2021