

PERSONAL INFORMATION

Maria Grazia Cifone

FISCAL CODE [REDACTED]



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| Site and Date of birth [REDACTED]

JOB APPLIED FOR
POSITION
PREFERRED JOB
STUDIES APPLIED FOR

- 1979/84 Frequency Laboratory of the Institute of General Pathology, Faculty of Medicine and Surgery (Director: Prof. Pietro Ubaldo Angeletti)
- 1982 Register of the National Association of Biologists.

WORK EXPERIENCE

- 2015-2018 Director of Department of Medicine, Life and Environmental Sciences, University of L'Aquila
- 2012-2015 Member of the Scientific Committee of the University
- 2012-2015 Director of Department of Medicine, Life and Environmental Sciences, University of L'Aquila
- From 2012 President of the Regional Observatory for medical specialist training
- 2012 Member of University Committee for the application of L. 240/2010
- 2011-2014 Member of the Scientific Committee of the Foundation of the University of L'Aquila
- 2009-2015 Coordinator of the PhD (Department of Health Sciences, University of L'Aquila) in "Translational Medicine"
- 2004-2012 Member of the Working Group inquiry for updating and revision of the Statute
- 2004-2012 Member of the Academic Senate
- 2004-2012 Elected Dean of the Faculty of Medicine and Surgery for the years 2004-2007 and for the years 2007/2008-2010/2011, extension for the AA 2011/2012
- 2004-2012 Deputy Rector in the Teaching Commission of CRUI
- 2004-2012 Chairman of the Education Committee of the University
- 2003-2012 Coordinator of Master of Management of nursing/midwifery services
- 2002 Gets the confirmation of the role of Professor for SSD MED/04.
- 2001-2004 President of Degree Course in Nursing
- 2000-2004 President of Degree Course in Nursing
- 2000-2004 Member of the University's Commission "Contracts and Agreements"
- 2000-2004 Member of the Council of Administration of the University of L'Aquila
- 2000/2004 President of the Evaluation Committee of Faculty of Medicine and Surgery
- 2000/2004 President of the Education Committee of the Faculty of Medicine and Surgery
- 1999 Full Professor of General Pathology (MED/04), Faculty of Medicine, University of L'Aquila.
- 1996 Gets the confirmation as Associate Professor.
- 1995-1996 President Nursing Diploma
- 1993-1998 Director of the School for Special Purpose Live at Managers and Teachers of Nursing
- 1993 Associate Professor of General Pathology (F04A), Faculty of Medicine, University of L'Aquila.
- 1989-1991 Representative of Researchers in the Department Board (Biomedical Sciences and Technologies and Biometrics).
- 1988 Gets the confirmation of the role of University Investigator.
- 1984 Senior Investigator (F04A), Dept. Experimental Medicine, Faculty of Medicine, University of L'Aquila.

EDUCATION AND TRAINING

- 1978 Degree in Biological Sciences with marks 110/110 cum laude from the University of L'Aquila
- 1975/78 Internship at the Institute of General Biology, University of L'Aquila.
- 1974 Registration for the Bachelor of Science in Biology from the University of L'Aquila.
- 1974 High school diploma

PERSONAL SKILLS

Mother tongue(s) Spanish and Italian
OTHER LANGUAGE(S) English

Communication skills ▪ good communication skills gained through my experience as Professor, Dean and Director of Department

Organisational / managerial skills ▪ leadership (currently responsible for a team of about 220 people)

Job-related skills ▪ good command of quality control processes

Computer skills ▪ good command of Microsoft Office™ tools

Driving licence ▪ B

MAIN RESEARCH TOPICS:

- 1) Study the effects of extremely low frequency electromagnetic radiation on biological systems
- 2) Study the effects of heavy metals on human immune system
- 3) Characterization of the apoptotic signal in many cellular systems, normal or transformed, after different stimuli (monoclonal antibodies directed to surface structures, cytokines, glucocorticoids).
- 4) Role of nitric oxide in the activation, in the functions and in the regulation of cells, normal and transformed, the immune system and, in particular, the innate immune response.
- 5) Characterization of the mechanisms underlying the anti-inflammatory and anti-tumor effects in vitro and in vivo for several pharmacological agents and probiotic bacteria.
- 6) Role of apoptosis in immune-mediated inflammatory diseases and, in particular, in chronic inflammatory diseases of the intestine.
- 7) Biomolecular characterization of human gliomas with high-grade malignancy: potential applications of new immunotherapeutic approaches.
- 8) Study of novel therapeutic approaches to accelerate the repair process of "difficult wounds"
- 9) Characterization of the molecular mechanisms underlying the lipolysis induced by laser and ultrasound systems at low frequency.
- 10) Biomolecular characterization of mesenchymal stem cells from adipose tissue and in clinical applications

- Reviewer of scientific papers for several international scientific journals (i.e. Faseb J., Blood, J. Immunol., Clin. Exp. Immunol., J. Lipid Res., Cell Death Differentiation, Eur. J. Pharmacol., J. Inv. Dermatol., J. Dermatol. Sci., Exp. Dermatol.)

Obtained grants:

PRIN as Responsible of Unit (Years 1994-1995-1996-1999-2000-2002-2003) and as National Coordinator as well Responsible of Unit (Year 2004)

Grant from CIPE

Grant Project 1% Sanità with IRCCS-NEUROMED (VENAFRO)
Grant Project 1% Sanità con IRCCS-Saverio De Bellis (BARI)
Grants Project Rilevante Interesse di Ateneo (PRIA)
Grants from SIGMA Tau (Rome)
Grants from CD Investments srl - VSL Pharmaceuticals, Inc (Rome)
Grants from ACTIAL Farmacêutica Lda Funchal, Madeira (Portugal)

Conventional relationship for research with:

1. CD Investments Ltd. - Welcome Pharma Avenue C. Segre, 23 - Rome - ITALY.
2. El.En. Via Baldanzese, 17, 50041 Florence, Tuscany - Florence - Italy (design and production of high-tech laser sources and systems for medical, industrial, conservation and scientific applications).
3. Division of Gastroenterology and Liver Disease Case Western Reserve University, CWRU / UH Digestive Health Center, University Hospitals Case Medical Center - 11100 Euclid Avenue - Cleveland, Ohio 44106-5066.

Collaborations in research with:

- Division of Pediatric Gastroenterology and Nutrition, Department of Pediatrics, University of Alberta, Edmonton, Alberta, Canada.
- All India Institute of Medical Sciences (AIIMS) (New Delhi - Ansari Nagar).

Activities of translation of scientific and educational

- Translation, together with other authors, the Italian edition of "THE MERCK MANUAL OF DIAGNOSIS AND THERAPY", 13th Edition, Robert Berkow, Ed, 1984.
- Author of the translation of the chapter "AUTOIMMUNITY 'AND TRANSPLANT" Text's Janeway Immunobiology, Seventh Edition, Ed Piccin, K. Murphy, P. Travers, M. Walport, 2010.

PRIZES AND AWARDS

- Granting of the status of Honorary Member of the Academy of Medical History - Abruzzo-Molise/Scuola Abruzzo Regional Center of Medical Sciences for outstanding scientific achievements in the History of Medicine and the Arts, April 1, 2006.
- Award of A.I.R.M. (Nursing Risk Management Association) for the foresight demonstrated, as Dean, in instituting the Master Level II "Nursing Law and Risk Management", December 19, 2008.
- International Award of the Year "School of Medicine", Salerno, 18 December 2009.
- IMID Prize for Translational Research, Lecce, 11 March 2011.
- **With h-index = 43, is included in the list of Top Italian Scientists of the VIA-Academy Evaluation of Top Italian scientists & academics using Add-on Firefox, Google Scholar database.**

SCIENTIFIC ARTICLES MOST CITED

- Apoptotic signaling through CD95 (Fas/Apo-1) activates an acidic sphingomyelinase. Cifone MG, De Maria R, Roncaioli P, Rippo MR, Azuma M, Lanier LL, Santoni A, Testi R. *J Exp Med*. 1994 Oct 1;180(4):1547-52.

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- Multiple pathways originate at the Fas/APO-1 (CD95) receptor: sequential involvement of phosphatidylcholine-specific phospholipase C and acidic sphingomyelinase in the propagation of the apoptotic signal. Cifone MG, Roncaioli P, De Maria R, Camarda G, Santoni A, Ruberti G, Testi R. *EMBO J*. 1995 Dec 1;14(23):5859-68.

Cited by 67

- Expression of cytokines, inducible nitric oxide synthase, and matrix metalloproteinases in pouchitis: effects of probiotic treatment. Ulisse S, Gionchetti P, D'Alò S, Russo FP, Pesce I, Ricci G, Rizzello F, Helwig U, Cifone MG, Campieri M, De Simone C. *Am J Gastroenterol*. 2001 Sep;96(9):2691-9.

Cited by 154

- Triggering of human monocyte activation through CD69, a member of the natural killer cell gene complex family of signal transducing receptors. De Maria R, Cifone MG, Trotta R, Rippo MR, Festuccia C, Santoni A, Testi R. *J Exp Med*. 1994 Nov 1;180(5):1999-2004.

Cited by 137

- Dexamethasone-induced thymocyte apoptosis: apoptotic signal involves the sequential activation of phosphoinositide-specific phospholipase C, acidic sphingomyelinase, and caspases. Cifone MG, Migliorati G, Parroni R, Marchetti C, Millimaggi D, Santoni A, Riccardi C. *Blood*. 1999 Apr 1;93(7):2282-96.

Cited by 135

- Defective mucosal T cell death is sustainably reverted by infliximab in a caspase dependent pathway in Crohn's disease. Di Sabatino A, Ciccocioppo R, Cinque B, Millimaggi D, Morera R, Ricevuti L, Cifone MG, Corazza GR. *Gut*. 2004 Jan;53(1):70-7.

Cited by 125

- Functional expression of Fas and Fas ligand on human gut lamina propria T lymphocytes. A potential role for the acidic sphingomyelinase pathway in normal immunoregulation. De Maria R, Boirivant M, Cifone MG, Roncaioli P, Hahne M, Tschopp J, Pallone F, Santoni A, Testi R. *J Clin Invest*. 1996 Jan 15;97(2):316-22.

Cited by 124

- Epithelium derived interleukin 15 regulates intraepithelial lymphocyte Th1 cytokine production, cytotoxicity, and survival in coeliac disease. Di Sabatino A, Ciccocioppo R, Cupelli F, Cinque B, Millimaggi D, Clarkson MM, Paulli M, Cifone MG, Corazza GR. *Gut*. 2006 Apr;55(4):469-77.

PUBBLICAZIONI

Palumbo P., Miconi G., Cinque B., Lombardi F., La Torre C., Dehcordi S.R., Galzio R., Cimini A., Giordano A., Cifone M.G. NOS 2 expression in glioma cell lines and glioma primary cell cultures: correlation with neurosphere generation and SOX-2 expression. *Oncotarget*, March 2017.

Cinque B, La Torre C, Lombardi F, Palumbo P, Evtoski Z, Santini SJ, Falone S, Cimini A, Amicarelli F, Cifone MG. VSL#3 Probiotic Differently Influence IEC-6 Intestinal Epithelial Cell Status and Function. *J Cell Physiol*. 2017 Jan 21. doi: 10.1002/jcp.25814. [Epub ahead of print].

Cimini A, d'Angelo M, Benedetti E, D'Angelo B, Laurenti G, Antonosante A, Cristiano L, Di Mambro A, Barbarino M, Castelli V, Cinque B, Cifone MG, Ippoliti R, Pentimalli F, Giordano A. Flavopiridol: An Old Drug With New Perspectives? Implication for Development of New Drugs. *J Cell Physiol*. 2017 Feb;232(2):312-322. doi: 10.1002/jcp.25421.

Massimi M, Cardarelli S, Galli F, Giardi MF, Ragusa F, Panera N, Cinque B, Cifone MG, Biagioni S, Giorgi M. Increase of Intracellular Cyclic AMP by PDE4 Inhibitors Affects HepG2 Cell Cycle Progression and Survival. *J Cell Biochem*. 2016 Nov 16. doi: 10.1002/jcb.25798.

Benedetti E, d'Angelo M, Ammazalorso A, Gravina G, Laezza C, Antonosante A, Panella G, Cinque B, Cristiano L, Dhez AC, Astarita C, Galzio R, Cifone MG, Ippoliti R, Amoroso R, Cesare ED, Giordano A, Cimini A. PPAR α Antagonist AA452 Triggers Metabolic Reprogramming and Increases Sensitivity to Radiation Therapy in Human Glioblastoma Primary Cells. *J Cell Physiol*. 2016 Oct 13. doi: 10.1002/jcp.25648.

Cinque B, La Torre C, Lombardi F, Palumbo P, Van der Rest M, Cifone MG. Production Conditions Affect the In Vitro Anti-Tumoral Effects of a High Concentration Multi-Strain Probiotic Preparation. *PLoS One*. 2016 Sep 22;11(9):e0163216. doi: 10.1371/journal.pone.0163216. eCollection 2016.

Zoccali G, Cinque B, La Torre C, Lombardi F, Palumbo P, Romano L, Mattei A, Orsini G, Cifone MG, Giuliani M. Improving the outcome of fractional CO2 laser resurfacing using a probiotic skin cream: Preliminary clinical evaluation. *Lasers Med Sci*. 2016 Nov;31(8):1607-1611.

Cimini A, d'Angelo M, Benedetti E, D'Angelo B, Laurenti G, Antonosante A, Cristiano L, Di Mambro A, Barbarino M, Castelli V, Cinque B, Cifone MG, Ippoliti R, Pentimalli F, Giordano A. Flavopiridol: An old drug with new perspectives? Implication for development of new drugs. *J Cell Physiol*. 2016 May 12. doi: 10.1002/jcp.25421. [Epub ahead of print]

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La Torre C, Cinque B, Lombardi F, Miconi G, Palumbo P, Evtoski Z, Placidi G, Fanini D, Cimini AM, Benedetti E, Giuliani M, Cifone MG. Nitric Oxide Chemical Donor Affects the Early Phases of In Vitro Wound Healing Process. *J Cell Physiol*. 2016 Feb 3. doi: 10.1002/jcp.25331. [Epub ahead of print] PMID:26841260

Benedetti E, Antonosante A, d'Angelo M, Cristiano L, Galzio R, Destouches D, Florio TM, Dhez AC, Astarita C, Cinque B, Fidoamore A, Rosati F, Cifone MG, Ippoliti R, Giordano A, Courty J, Cimini A. Nucleolin antagonist triggers autophagic cell death in human glioblastoma primary cells and decreased in vivo tumor growth in orthotopic brain tumor model. *Oncotarget*. 2015 Oct 19. doi: 10.18632/oncotarget.5990. [Epub ahead of print] PMID: 26540346

Brandolini L, Cristiano L, Fidoamore A, De Pizzol M, Di Giacomo E, Florio TM, Confalone G, Galante A, Cinque B, Benedetti E, Ruffini PA, Cifone MG, Giordano A, Alecci M, Allegretti M, Cimini A. Targeting CXCR1 on breast cancer stem cells: signaling pathways and clinical application modelling. *Oncotarget*. 2015 Oct 26. doi: 10.18632/oncotarget.6234. [Epub ahead of print] PMID:26517518

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Bianchini V, Roncone R, Giusti L, Casacchia M, Cifone MG, Pollice R. PTSD Growth and Substance Abuse Among a College Student Community: Coping Strategies after 2009 L'aquila Earthquake. *Clin Pract Epidemiol Ment Health*. 2015 Mar 31;11:140-3. doi: 10.2174/1745017901511010140. eCollection 2015. PMID: 25893001

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Barbonetti, A., Vassallo, M.R.C., Cinque, B., Filipponi, S., Mastromarino, P., Cifone, M.G., Francavilla, S., Francavilla, F. Soluble products of *Escherichia coli* induce mitochondrial dysfunction-related sperm membrane lipid peroxidation which is prevented by lactobacilli (2013) *PLoS ONE*, 8 (12), art. no. e83136.

Lancia, L., Petrucci, C., Giorgi, F., Dante, A., Cifone, M.G. Academic success or failure in nursing students: Results of a retrospective observational study (2013) *Nurse Education Today*, 33 (12), pp. 1501-1505.

Bianchini, V., Roncone, R., Tomassini, A., Necozone, S., Cifone, M.G., Casacchia, M., Pollice, R. Cognitive behavioral therapy for young people after l'aquila earthquake. (2013) *Clinical Practice and Epidemiology in Mental Health*, 9, pp. 238-242.

Tomassini, A., Roncone, R., Verni, L., Bianchini, V., Tosone, A., Guadagni, E., Ussorio, D., Cifone, M.G., Casacchia, M., Pollice, R. Cannabis use and psychosis onset: From epidemiology to clinical practice [Uso di cannabis ed esordi psicotici: Dall'epidemiologia alla clinica] (2013) *Journal of Psychopathology*, 19 (2), pp. 89-104.

Galzio, R., Cristiano, L., Fidoamore, A., Cifone, M.G., Benedetti, E., Cinque, B., Menghini, P., Raysi Dehcordi, S., Ippoliti, R., Giordano, A., Cimini, A. Hypoxia modulation of peroxisome proliferator-activated receptors (PPARs) in human glioblastoma stem cells. Implications for therapy (2012) *Journal of Cellular Biochemistry*, 113 (11), pp. 3342-3352.

Zoccali, G., Orsini, G., Scandura, S., Cifone, M.G., Giuliani, M. Multifrequency ultrasound-assisted liposuction: 5 years of experience (2012) *Aesthetic Plastic Surgery*, 36 (5), pp. 1052-1061.

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Galzio, R., Rosati, F., Benedetti, E., Cristiano, L., Aldi, S., Mei, S., D'Angelo, B., Gentile, R., Laurenti, G., Cifone, M.G., Giordano, A., Cimini, A. Glycosylated nucleolin as marker for human gliomas (2012) *Journal of Cellular Biochemistry*, 113 (2), pp. 571-579.

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Barbonetti, A., Cinque, B., Vassallo, M.R.C., Mineo, S., Francavilla, S., Cifone, M.G., Francavilla, F. Effect of vaginal probiotic lactobacilli on in vitro-induced sperm lipid peroxidation and its impact on sperm motility and viability (2011) *Fertility and Sterility*, 95 (8), pp. 2485-2488.

Palumbo, P., Cinque, B., Miconi, G., La Torre, C., Zoccali, G., Vrentzos, N., Vitale, A.R., Leocata, P., Lombardi, D., Lorenzo, C., D'Angelo, B., Macchiarelli, G., Cimini, A., Cifone, M.G., Giuliani, M. Biological effects of low frequency high intensity ultrasound application on ex vivo human adipose tissue (2011) *International Journal of Immunopathology and Pharmacology*, 24 (2), pp. 411-422.

Pace, G., Palumbo, P., Miconi, G., Silvestri, V., Cifone, M.G., Vicentini, C. PDE-5 and NOS II mRNA expression in menopausal women: A molecular biology study (2011) *World Journal of Urology*, 29 (2), pp. 243-248.

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Placidi, G., Cifone, M.G., Cinque, B., Franchi, D., Giuliani, M., La Torre, C., Macchiarelli, G., Maglione, M., Maurizi, A., Miconi, G., Sotgiu, A. Numerical methods for the semi-automatic analysis of multimodal wound healing images (2010) *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, 6026 LNCS, pp. 151-162.

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