

INFORMAZIONI PERSONALI

Paolo Fabrizio Fagone



📍 Via Santa Sofia, 97, 95123 Catania (Italia)

☎ (+39) 095 4781284

✉ paolofagone@yahoo.it
paolofagone@pec.it

🔗 <https://orcid.org/0000-0002-6694-1992>

DICHIARAZIONI PERSONALI

Paolo Fabrizio Fagone consegue la Laurea Magistrale in Biologia Sanitaria nel 2006 e il Diploma di Specializzazione in Microbiologia e Virologia nel 2010. Consegue la Laurea in Medicina e Chirurgia nel 2019. L'ambito di ricerca di Paolo Fabrizio Fagone riguarda principalmente l'immunopatologia implicata nelle malattie immunoinfiammatorie, autoimmuni e nel cancro. Principali competenze scientifiche: modelli preclinici *in vitro* ed *in vivo*; conoscenza delle principali tecniche di biostatistica e analisi *in silico* di dati "whole-genome profiling". Paolo Fabrizio Fagone è stato responsabile scientifico di uno studio della durata di 12 mesi, finanziato dalla Lega Italiana per la Lotta contro i Tumori (LILT). Paolo Fabrizio Fagone partecipa attivamente a congressi scientifici nazionali e internazionali, in qualità di relatore e chairman. E' revisore per più di 10 riviste scientifiche peer-review internazionali. Paolo Fabrizio Fagone è co-autore di 83 pubblicazioni (di cui, 21 come primo autore; 3 come ultimo autore; 5 come corresponding author), H-index 23 e 2562 citazioni (al 16/12/2019 in Scopus). E' Ricercatore a tempo determinato di tipo B per il settore concorsuale 06/N1 – scienze delle professioni sanitarie e delle tecnologie mediche applicate - dal Maggio 2020.

ISTRUZIONE E FORMAZIONE

05/12/2017–alla data attuale	Conseguimento Abilitazione ASN II Fascia Settore concorsuale 06/A2
31/03/2017–alla data attuale	Conseguimento Abilitazione ASN II Fascia Settore Concorsuale 06/N1
30/10/2010–19/03/2019	Laurea in Medicina e Chirurgia (voti 110/110 e lode) Università degli Studi di Catania, Catania (Italia)
10/10/2006–22/10/2010	Diploma di Scuola di Specializzazione in Microbiologia e Virologia (voti 70/70 e lode) Università degli Studi di Catania, Catania (Italia)
10/10/2004–07/07/2006	Laurea Magistrale in Biologia Sanitaria (voti 110/110 e lode) Università degli Studi di Catania, Catania (Italia)
10/10/2001–08/10/2004	Laurea in Scienze Biologiche (voti 110/110) Università degli Studi di Catania, Catania (Italia)

ESPERIENZA
PROFESSIONALE

04/05/2020–alla data attuale **Ricercatore a tempo determinato di tipo B** nel settore 06/N1 – scienze delle

professioni sanitarie e delle tecnologie mediche applicate

Dipartimento di Scienze Biomediche e Biotecnologiche - Università degli Studi di Catania, Catania (Italia)

- 01/03/2018–02/2019 **Partecipazione a progetto di ricerca**
Università degli Studi di Catania, Catania (Italia)
Borsa di ricerca: "Regolazione epigenetica della degenerazione neovascolare correlata all'età: identificazione di potenziali target terapeutici"
- 10/10/2016–10/10/2017 **Attività didattica**
Università degli Studi di Catania
Affidamento incarico attività didattica integrativa presso il corso di dottorato di ricerca Internazionale in "Basic and Applied Biomedical Sciences"
- 12/05/2016–13/05/2016 **Attività didattica**
Università degli Studi di Catania
Attività seminariale su "Basi molecolari e diagnostica della patologia del sistema immunitario" nell'ambito del Master di II livello in "Approfondimenti nell'applicazione diagnostica delle metodologie cellulari e molecolari in patologia umana"
- 28/07/2017–27/07/2018 **Responsabile dello studio finanziato LILT dal titolo "Valutazione di KCNMA1 come biomarker e target terapeutico nel tumore coloretale"**
Lega Italiana per la Lotta contro i Tumori (LILT), Catania (Italia)
- 15/09/2015–15/02/2016 **Partecipazione a progetto di ricerca**
Università degli Studi di Catania, Catania (Italia)
Incarico Collaborazione Esterna nell'ambito del progetto dal titolo "Valutazione biologica di composti azaribonucleosidi modificati come molecole antitumorali e immunomodulanti"
- 01/08/2014–01/06/2015 **Progetto di Collaborazione coordinata e continuativa**
Università degli Studi di Catania, Catania (Italia)
Effetti farmacologici su un modello di fibrosi epatica cronica
- 17/09/2012–17/07/2013 **Partecipazione a Progetto di ricerca**
Università degli Studi di Catania, Catania (Italia)
Incarico Collaborazione Esterna nell'ambito del progetto dal titolo "Development of carbon monoxide releasing molecules for the treatment of rheumatoid arthritis"
- 01/06/2011–01/04/2012 **Partecipazione a Progetto di ricerca**
Università degli Studi di Catania, Catania (Italia)
Incarico Collaborazione Esterna nell'ambito del progetto dal titolo "Development of Carbon Monoxide Releasing Molecules for the treatment of rheumatoid arthritis"
- 01/07/2010–01/01/2011 **Progetto di Collaborazione Coordinata e Continuativa**
Università degli Studi di Catania, Catania (Italia)
Effetti del trattamento con CORM in modelli di autoimmunità

- 01/11/2007–31/10/2009 **Research Fellow**
 University of Pennsylvania, Philadelphia (Stati Uniti d'America)
- 01/02/2007–30/04/2007 **Progetto di Collaborazione Coordinata e Continuativa**
 Università degli Studi di Catania, Catania (Italia)
 Effetti del farmaco immunomodulante COMETA 025 nel topo NOD e nel topo SJL
- 01/02/2006–01/03/2006 **Partecipazione a progetto di ricerca**
 Università degli Studi di Catania, Catania (Italia)
 Contratto per prestazione occasionale nell'ambito del progetto dal titolo "Valutazione dell'attività immunomodulante della transferrina umana e del suo impiego per la terapia di parologie autoimmuni e infiammatorie"
- 02/11/2005–02/12/2005 **Partecipazione a progetto di ricerca**
 Università degli Studi di Catania, Catania (Italia)
 Contratto per prestazione occasionale nell'ambito del progetto dal titolo "Valutazione dell'attività immunomodulante della transferrina umana e del suo impiego per la terapia di parologie autoimmuni e infiammatorie"

alla data attuale **Revisore riviste peer-review**
 Revisore per le seguenti riviste:
 Molecular Therapy-Nucleic Acids
 Internation Journal of Cancer
 Molecules
 Oncology Letters
 Experimental and Therapeutic Medicine
 Molecular Medicine Reports
 Oncology Reports
 Oncotarget
 Evidence-Based Complementary and Alternative Medicine
 Brain Research

COMPETENZE PERSONALI

Lingua madre italiano

Lingue straniere

	COMPRESIONE		PARLATO		PRODUZIONE SCRITTA
	Ascolto	Lettura	Interazione	Produzione orale	
inglese	C1	C1	C1	C1	C1
Certificato: Grade 12 - Trinity College London					

Livelli: A1 e A2: Utente base - B1 e B2: Utente autonomo - C1 e C2: Utente avanzato
Quadro Comune Europeo di Riferimento delle Lingue

Competenze professionali

Analisi di banche-dati di "whole-genome profiling" (GEO, ArrayExpress)
 Elementi di Biostatistica (Graphpad Prism; SPSS)
 Tecniche di gestione di topi, ratti e criceti
 Tecniche di somministrazione intraperitoneale, subcutanea, intracolonica e orale di farmaci a topi, ratti

e criceti
 Prelievo di organi interni da animali di laboratorio
 Tecniche di isolamento, coltura e proliferazione di cellule mononucleate da sangue, milza e linfonodi
 Modelli animali di malattie autoimmuni e immunoinfiammatorie: T1DM, SLE, EAE, EAN, RA, IBD
 Modelli animali di tumore xenotrapiantato
 Colture cellulari
 ELISA, ELISPOT, Western blot
 Citofluorimetria: analisi di ciclo cellulare, proliferazione, apoptosi, staining intracellulare
 Estrazione di acidi nucleici e RT-PCR
 Studio di metilazione di DNA: bisolfiti ed enzimi di restrizione
 Trasformazione di batteri competenti con plasmidi
 Isolamento di plasmidi: mini-prep, maxi-prep
 Tecniche di trasfezione con plasmidi, in vitro e in vivo
 Trasfezione cellulare con siRNA per knock-out transiente di geni
 Immunocitochimica

Competenze digitali

AUTOVALUTAZIONE				
Elaborazione delle informazioni	Comunicazione	Creazione di Contenuti	Sicurezza	Risoluzione di problemi
Utente avanzato	Utente avanzato	Utente autonomo	Utente autonomo	Utente autonomo

Competenze digitali - Scheda per l'autovalutazione

Patente di guida B

ULTERIORI INFORMAZIONI

Publicazioni

Petralia MC, Mazzon E, Mangano K, Fagone P, Di Marco R, Falzone L, Basile MS, Nicoletti F, Cavalli E. Transcriptomic analysis reveals moderate modulation of macrophage migration inhibitory factor superfamily genes in alcohol use disorders. *Exp Ther Med.* 2020 Mar;19(3):1755-1762. doi: 10.3892/etm.2020.8410. Epub 2020 Jan 2. PubMed PMID: 32104230; PubMed Central PMCID: PMC7026954.

Lombardo GAG, Tamburino S, Magano K, Fagone P, Mammana S, Cavalli E, Basile MS, Salvatorelli L, Catalano F, Magro G, Nicoletti F. The Effect of Omega-3 Fatty Acids on Capsular Tissue around the Breast Implants. *Plast Reconstr Surg.* 2020 Mar;145(3):701-710. doi: 10.1097/PRS.0000000000006553. PubMed PMID: 32097310.

Basile MS, Mazzon E, Mangano K, Pennisi M, Petralia MC, Lombardo SD, Nicoletti F, Fagone P, Cavalli E. Impaired Expression of Tetraspanin 32 (TSPAN32) in Memory T Cells of Patients with Multiple Sclerosis. *Brain Sci.* 2020 Jan 17;10(1). pii:E52. doi: 10.3390/brainsci10010052. PubMed PMID: 31963428; PubMed Central PMCID: PMC7016636.

Petralia MC, Battaglia G, Bruno V, Pennisi M, Mangano K, Lombardo SD, Fagone P, Cavalli E, Saraceno A, Nicoletti F, Basile MS. The Role of Macrophage Migration Inhibitory Factor in Alzheimer's Disease: Conventionally Pathogenetic or Unconventionally Protective? *Molecules.* 2020 Jan 10;25(2). pii: E291. doi:10.3390/molecules25020291. Review. PubMed PMID: 31936865.

Cavalli E, Mazzon E, Basile MS, Mammana S, Pennisi M, Fagone P, Kalfin R, Martinovic V, Ivanovic J, Andabaka M, Mesaros S, Pekmezovic T, Drulovic J, Nicoletti F, Petralia MC. In Silico and In Vivo Analysis of IL37 in Multiple Sclerosis Reveals Its Probable Homeostatic Role on the Clinical Activity, Disability, and Treatment with Fingolimod. *Molecules.* 2019 Dec 19;25(1). pii:E20. doi: 10.3390/molecules25010020. PubMed PMID: 31861585; PubMed Central PMCID: PMC6982851.

Petralia MC, Mazzon E, Fagone P, Basile MS, Lenzo V, Quattropani MC, Bendtzen K, Nicoletti F.

Pathogenic contribution of the Macrophage migration inhibitory factor family to major depressive disorder and emerging tailored therapeutic approaches. *J Affect Disord.* 2019 Nov 30;263:15-24. doi:10.1016/j.jad.2019.11.127. [Epub ahead of print] Review. PubMed PMID: 31818772.

Petralia MC, Mazzon E, Basile MS, Cutuli M, Di Marco R, Scandurra F, Saraceno A, Fagone P, Nicoletti F, Mangano K. Effects of Treatment with the Hypomethylating Agent 5-aza-2'-deoxycytidine in Murine Type II Collagen-Induced Arthritis. *Pharmaceuticals (Basel).* 2019 Nov 27;12(4). pii: E174. doi:10.3390/ph12040174. PubMed PMID: 31783688.

Lombardo SD, Mazzon E, Mangano K, Basile MS, Cavalli E, Mammana S, Fagone P, Nicoletti F, Petralia MC. Transcriptomic Analysis Reveals Involvement of the Macrophage Migration Inhibitory Factor Gene Network in Duchenne Muscular Dystrophy. *Genes (Basel).* 2019 Nov 18;10(11). pii: E939. doi: 10.3390/genes10110939. PubMed PMID: 31752120.

Cavalli E, Mazzon E, Mammana S, Basile MS, Lombardo SD, Mangano K, Bramanti P, Nicoletti F, Fagone P, Petralia MC. Overexpression of Macrophage Migration Inhibitory Factor and Its Homologue D-Dopachrome Tautomerase as Negative Prognostic Factor in Neuroblastoma. *Brain Sci.* 2019 Oct 19;9(10). pii: E284. doi:10.3390/brainsci9100284. PubMed PMID: 31635049; PubMed Central PMCID: PMC6826588.

Cavalli E, Mazzon E, Basile MS, Mangano K, Di Marco R, Bramanti P, Nicoletti F, Fagone P, Petralia MC. Upregulated Expression of Macrophage Migration Inhibitory Factor, Its Analogue D-Dopachrome Tautomerase, and the CD44 Receptor in Peripheral CD4 T Cells from Clinically Isolated Syndrome Patients with Rapid Conversion to Clinical Defined Multiple Sclerosis. *Medicina (Kaunas).* 2019 Oct 1;55(10). pii: E667. doi: 10.3390/medicina55100667. PubMed PMID: 31581595; PubMed Central PMCID: PMC6843666.

Lombardo SD, Mazzon E, Basile MS, Campo G, Corsico F, Presti M, Bramanti P, Mangano K, Petralia MC, Nicoletti F, Fagone P. Modulation of Tetraspanin 32 (TSPAN32) Expression in T Cell-Mediated Immune Responses and in Multiple Sclerosis. *Int J Mol Sci.* 2019 Sep 4;20(18). pii: E4323. doi: 10.3390/ijms20184323. PubMed PMID: 31487788; PubMed Central PMCID: PMC6770290.

Petralia MC, Mazzon E, Fagone P, Falzone L, Bramanti P, Nicoletti F, Basile MS. Retrospective follow-up analysis of the transcriptomic patterns of cytokines, cytokine receptors and chemokines at preconception and during pregnancy, in women with post-partum depression. *Exp Ther Med.* 2019 Sep;18(3):2055-2062. doi: 10.3892/etm.2019.7774. Epub 2019 Jul 12. PubMed PMID: 31410161; PubMed Central PMCID: PMC6676209.

Lombardo SD, Presti M, Mangano K, Petralia MC, Basile MS, Libra M, Candido S, Fagone P, Mazzon E, Nicoletti F, Bramanti A. Prediction of PD-L1 Expression in Neuroblastoma via Computational Modeling. *Brain Sci.* 2019 Aug 31;9(9). pii: E221. doi: 10.3390/brainsci9090221. PubMed PMID: 31480495; PubMed Central PMCID: PMC6770763.

Lombardo SD, Mazzon E, Basile MS, Cavalli E, Bramanti P, Nania R, Fagone P, Nicoletti F, Petralia MC. Upregulation of IL-1 Receptor Antagonist in a Mouse Model of Migraine. *Brain Sci.* 2019 Jul 19;9(7). pii: E172. doi: 10.3390/brainsci9070172. PubMed PMID: 31331109; PubMed Central PMCID: PMC6680509.

Nicoletti F, Mazzon E, Fagone P, Mangano K, Mammana S, Cavalli E, Basile MS, Bramanti P, Scalabrino G, Lange A, Curtin F. Prevention of clinical and histological signs of MOG-induced experimental allergic encephalomyelitis by prolonged treatment with recombinant human EGF. *J Neuroimmunol.* 2019 Jul 15;332:224-232. doi: 10.1016/j.jneuroim.2019.05.006. Epub 2019 May 8. PubMed PMID: 31100693.

Petralia MC, Mazzon E, Fagone P, Russo A, Longo A, Avitabile T, Nicoletti F, Reibaldi M, Basile MS. Characterization of the Pathophysiological Role of CD47 in Uveal Melanoma. *Molecules.* 2019 Jul 4;24(13). pii: E2450. doi:10.3390/molecules24132450. PubMed PMID: 31277366; PubMed Central PMCID: PMC6651482.

Basile MS, Fagone P, Mangano K, Mammana S, Magro G, Salvatorelli L, Li Destri G, La Greca G, Nicoletti F, Puleo S, Pesce A. KCNMA1 Expression is Downregulated in Colorectal Cancer via Epigenetic Mechanisms. *Cancers (Basel).* 2019 Feb 19;11(2). pii: E245. doi: 10.3390/cancers11020245. PubMed PMID: 30791468; PubMed Central PMCID: PMC6406553.

Nicoletti F, Mazzon E, Fagone P, Mangano K, Mammana S, Cavalli E, Basile MS, Bramanti P, Scalabrino G, Lange A, Curtin F. Prevention of clinical and histological signs of MOG-induced experimental allergic encephalomyelitis by prolonged treatment with recombinant human EGF. *J Neuroimmunol.* 2019 Jul 15;332:224-232. doi: 10.1016/j.jneuroim.2019.05.006. Epub 2019 May 8. PubMed PMID: 31100693.

Fagone P, Mazzon E, Mammana S, Di Marco R, Spinascia F, Basile MS, Petralia MC, Bramanti P, Nicoletti F, Mangano K. Identification of CD4+ T cell biomarkers for predicting the response of patients

with relapsing-remitting multiple sclerosis to natalizumab treatment. *Mol Med Rep.* 2019 May 23. doi: 10.3892/mmr.2019.10283. [Epub ahead of print] PubMed PMID: 31180553.

Basile MS, Mazzon E, Russo A, Mammanna S, Longo A, Bonfiglio V, Fallico M, Caltabiano R, Fagone P, Nicoletti F, Avitabile T, Reibaldi M. Differential modulation and prognostic values of immune-escape genes in uveal melanoma. *PLoS One.* 2019 Jan 17;14(1):e0210276. doi: 10.1371/journal.pone.0210276. eCollection 2019. PubMed PMID: 30653520.

Günther S, Fagone P, Jalce G, Atanasov AG, Guignabert C, Nicoletti F. Role of MIF and D-DT in immune-inflammatory, autoimmune, and chronic respiratory diseases: from pathogenic factors to therapeutic targets. *Drug Discov Today.* 2018 Nov 13. pii: S1359-6446(18)30329-5. doi: 10.1016/j.drudis.2018.11.003. [Epub ahead of print] Review. PubMed PMID: 30439447.

Presti M, Mazzon E, Basile MS, Petralia MC, Bramanti A, Colletti G, Bramanti P, Nicoletti F, Fagone P. Overexpression of macrophage migration inhibitory factor and functionally-related genes, D-DT, CD74, CD44, CXCR2 and CXCR4, in glioblastoma. *Oncol Lett.* 2018 Sep;16(3):2881-2886. doi: 10.3892/ol.2018.8990. Epub 2018 Jun 19. PubMed PMID: 30127875; PubMed Central PMCID: PMC6096183.

Fagone P, Mazzon E, Bramanti P, Bendtzen K, Nicoletti F. Gasotransmitters and the immune system: Mode of action and novel therapeutic targets. *Eur J Pharmacol.* 2018 Sep 5;834:92-102. doi: 10.1016/j.ejphar.2018.07.026. Epub 2018 Jul 20. Review. PubMed PMID: 30016662.

Fagone P, Mazzon E, Chikovani T, Saraceno A, Mammanna S, Colletti G, Mangano K, Bramanti P, Nicoletti F. Decitabine induces regulatory T cells, inhibits the production of IFN-gamma and IL-17 and exerts preventive and therapeutic efficacy in rodent experimental autoimmune neuritis. *J Neuroimmunol.* 2018 Aug 15;321:41-48. doi: 10.1016/j.jneuroim.2018.05.013. Epub 2018 May 28. PubMed PMID: 29957387.

Fagone P, Mazzon E, Cavalli E, Bramanti A, Petralia MC, Mangano K, Al-Abed Y, Bramati P, Nicoletti F. Contribution of the macrophage migration inhibitory factor superfamily of cytokines in the pathogenesis of preclinical and human multiple sclerosis: In silico and in vivo evidences. *J Neuroimmunol.* 2018 Sep 15;322:46-56. doi: 10.1016/j.jneuroim.2018.06.009. Epub 2018 Jun 15. PubMed PMID: 29935880.

Mangano K, Mazzon E, Basile MS, Di Marco R, Bramanti P, Mammanna S, Petralia MC, Fagone P, Nicoletti F. Pathogenic role for macrophage migration inhibitory factor in glioblastoma and its targeting with specific inhibitors as novel tailored therapeutic approach. *Oncotarget.* 2018 Apr 3;9(25):17951-17970. doi: 10.18632/oncotarget.24885. eCollection 2018 Apr 3. Review. PubMed PMID: 29707160; PubMed Central PMCID: PMC5915168.

Mijatović S, Bramanti A, Nicoletti F, Fagone P, Kaluđerović GN, Maksimović-Ivanić D. Naturally occurring compounds in differentiation based therapy of cancer. *Biotechnol Adv.* 2018 Nov 1;36(6):1622-1632. doi:10.1016/j.biotechadv.2018.04.001. Epub 2018 Apr 12. Review. PubMed PMID: 29656090.

Mammanna S, Fagone P, Cavalli E, Basile MS, Petralia MC, Nicoletti F, Bramanti P, Mazzon E. The Role of Macrophages in Neuroinflammatory and Neurodegenerative Pathways of Alzheimer's Disease, Amyotrophic Lateral Sclerosis, and Multiple Sclerosis: Pathogenetic Cellular Effectors and Potential Therapeutic Targets. *Int J Mol Sci.* 2018 Mar 13;19(3). pii: E831. doi: 10.3390/ijms19030831. Review. PubMed PMID: 29533975; PubMed Central PMCID: PMC5877692.

Mammanna S, Bramanti P, Mazzon E, Cavalli E, Basile MS, Fagone P, Petralia MC, McCubrey JA, Nicoletti F, Mangano K. Preclinical evaluation of the PI3K/Akt/mTOR pathway in animal models of multiple sclerosis. *Oncotarget.* 2018 Jan 3;9(9):8263-8277. doi: 10.18632/oncotarget.23862. eCollection 2018 Feb 2. PubMed PMID: 29492193; PubMed Central PMCID: PMC5823598.

Mangano K, Cavalli E, Mammanna S, Basile MS, Caltabiano R, Pesce A, Puleo S, Atanasov AG, Magro G, Nicoletti F, Fagone P. Involvement of the Nrf2/HO-1/CO axis and therapeutic intervention with the CO-releasing molecule CORM-A1, in a murine model of autoimmune hepatitis. *J Cell Physiol.* 2018 May;233(5):4156-4165. doi: 10.1002/jcp.26223. Epub 2017 Dec 29. PubMed PMID: 29034470.

Donia M, Harbst K, van Buuren M, Kvistborg P, Lindberg MF, Andersen R, Idom M, Munir Ahmad S, Ellebæk E, Mueller A, Fagone P, Nicoletti F, Libra M, Lauss M, Hadrup SR, Schmidt H, Andersen MH, Thor Straten P, Nilsson JA, Schumacher TN, Seliger B, Jönsson G, Svane IM. Acquired Immune Resistance Follows Complete Tumor Regression without Loss of Target Antigens or IFN γ Signaling. *Cancer Res.* 2017 Sep 1;77(17):4562-4566. doi: 10.1158/0008-5472.CAN-16-3172. Epub 2017 Jun 27. PubMed PMID: 28655789.

Fagone P, Caltabiano R, Russo A, Lupo G, Anfuso CD, Basile MS, Longo A, Nicoletti F, De Pasquale R, Libra M, Reibaldi M. Identification of novel chemotherapeutic strategies for metastatic uveal melanoma. *Sci Rep.* 2017 Mar 17;7:44564. doi: 10.1038/srep44564. PubMed PMID: 28303962;

PubMed Central PMCID: PMC5355998.

Maksimovic-Ivanic D, Fagone P, McCubrey J, Bendtzen K, Mijatovic S, Nicoletti F. HIV-protease inhibitors for the treatment of cancer: Repositioning HIV protease inhibitors while developing more potent NO-hybridized derivatives? *Int J Cancer*. 2017 Apr 15;140(8):1713-1726. doi: 10.1002/ijc.30529. Epub 2017 Jan 20. Review. PubMed PMID: 27870005.

Nikolic I, Stojanovic I, Vujcic M, Fagone P, Mangano K, Stosic- Grujicic S, Nicoletti F, Saksida T. Standardized bovine colostrum derivative impedes development of type 1 diabetes in rodents. *Immunobiology*. 2017 Feb;222(2):272-279. doi: 10.1016/j.imbio.2016.09.013. Epub 2016 Sep 24. PubMed PMID: 27693017.

Nunnari G, Fagone P, Lazzara F, Longo A, Cambria D, Di Stefano G, Palumbo M, Malaguamera L, Di Rosa M. Vitamin D3 inhibits TNF α -induced latent HIV reactivation in J-LAT cells. *Mol Cell Biochem*. 2016 Jul;418(1-2):49-57. doi: 10.1007/s11010-016-2732-z. Epub 2016 Jun 13. PubMed PMID: 27295094.

Nunnari G, Fagone P, Condorelli F, Nicoletti F, Malaguamera L, Di Rosa M. CD4+ T-cell gene expression of healthy donors, HIV-1 and elite controllers: Immunological chaos. *Cytokine*. 2016 Jul;83:127-135. doi: 10.1016/j.cyto.2016.04.007. Epub 2016 Apr 22. PubMed PMID: 27108398.

Fagone P, Nunnari G, Lazzara F, Longo A, Cambria D, Distefano G, Palumbo M, Nicoletti F, Malaguamera L, Di Rosa M. Induction of OAS gene family in HIV monocyte infected patients with high and low viral load. *Antiviral Res*. 2016 Jul;131:66-73. doi: 10.1016/j.antiviral.2016.04.009. Epub 2016 Apr 20. PubMed PMID: 27107898.

Fagone P, Mangano K, Di Marco R, Touil-Boukoffa C, Chikovan T, Signorelli S, Lombardo GA, Patti F, Mammana S, Nicoletti F. Expression of DNA methylation genes in secondary progressive multiple sclerosis. *J Neuroimmunol*. 2016 Jan 15;290:66-9. doi: 10.1016/j.jneuroim.2015.11.018. Epub 2015 Nov 24. PubMed PMID: 26711572.

Fagone P, Mangano K, Pesce A, Portale TR, Puleo S, Nicoletti F (2016). Emerging therapeutic targets for the treatment of hepatic fibrosis. *DRUG DISCOVERY TODAY*, vol. 21, p. 369-375, ISSN: 1359-6446, doi: 10.1016/j.drudis.2015.10.015

Fagone P, Nunnari G, Lazzara F, Longo A, Cambria D, Distefano G, Palumbo M, Nicoletti F, Malaguamera L, Di Rosa M (2016). Induction of OAS gene family in HIV monocyte infected patients with high and low viral load. *ANTIVIRAL RESEARCH*, vol. 131, p. 66-73, ISSN: 0166-3542, doi: 10.1016/j.antiviral.2016.04.009

Nikolic I, Stojanovic I, Vujcic M, Fagone P, Mangano K, Stosic-Grujicic S, Nicoletti F, Saksida T (2016). Standardized bovine colostrum derivative impedes development of type 1 diabetes in rodents.. *IMMUNOBIOLOGY*, ISSN: 0171-2985, doi: 10.1016/j.imbio.2016.09.013

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Partecipazione a Congressi

- Relatore al convegno LILT "Prevenzione terziaria: percorsi di cura integrata dopo la diagnosi di tumore" (Catania, 21-22 Maggio 2019)
- Relatore al 34° Congresso Nazionale SIPMeT (Catania, Italia-23/10/2018-25/10/2018)
- Relatore e Chairman al 23rd World Congress on Advances in Oncology and 22nd International Symposium on Molecular Medicine (Atene-Grecia- 20/09/2018–22/09/2018)
- Relatore e Chairman presso il 22nd World Congress on Advances in Oncology and 20th International Symposium on Molecular Medicine (Atene, Grecia-05/10/2017–07/10/2017)
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- Relatore al 13th International Symposium on Molecular Medicine (Creta, Grecia- 07/10/2010–09/10/2010)

Catania, 11/03/2020

Paolo Fabrizio Fagone