



Marco Raffaele

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20/04/1987

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Gioiosa Marea (ME)
Nationality: Italian
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Personal Skills and Competences

Languages

Mother language:
Italian
Others languages:
English B1
Spanish A2

Computer skills and competences

Windows: Excellent
Others OS: Good
Office: Excellent
Internet: Excellent

Social skills and competences

Good and professional communication skills and propensity to teamwork.

Motivation for learning, reliability and seriousness, tolerance to stress.

Driving licence:
Type A3 and B

Curriculum Vitae

11/2016 -

Phd Student in Basic And Applied Biomedical Sciences
Laboratory of Biochemistry and Advanced Biology
Department of Drug Science
University of Catania, Catania, Italy

01/2016

Pharmacist Professional Qualification.

10/2007 - 07/2015

Master Degree in Pharmacy. VOTE 97/110
University of Catania, Catania, Italy

09/ 2013 – 07/ 2015

Experimental thesis carried out at the Department of Drug Science, Biochemistry section.
Title of the thesis: Role of Heme Oxygenase in benign prostatic hypertrophy
Rapporteur: Prof. Luca Vanella.

09/ 2001 – 07/ 2006

Diploma of computer expert with vote 100/100 ITIS "E. Torricelli", Sant'Agata (ME)

Practical-theoretical knowledge of the following techniques:

Western Blot, In cell Western, homogenization and protein quantification of tissues, spectrophotometry, cellular viability (MTT), cell cultures, RT-PCR, ROS measurement, DNA-damage, assays GSH, ELISA, OIL RED method, cells migration, LOOH assay.

Main subjects/professional skills possessed:

anatomy, general and analytical chemistry, organic chemistry, microbiology, Biology, molecular biology, biochemistry, General physiology, pharmacology, toxicology, technical and pharmaceutical legislation, pharmaceutical chemistry.

Professional experience



06/2019

Scholarship award "Outgoing Visiting Student"

05/2018 –12/2018

Visiting PhD student

New York Medical College, 15 Dana Road, Valhalla, NY 10595, United States of America.

05-2017

Participation in the organization of the International Workshop "New Frontiers in Biochemistry and Molecular Medicine" at Scuola Superiore di Catania
University of Catania.

09-2016

PhD student in "Basic and Applied Biomedical Sciences" at the Department of Drug Science, biochemistry section.
University of Catania

09-2016

Obtaining a certificate of participation in the International Workshop "9th International Conference on Heme Oxygenase Prague 2016", at Purkyne Institute (Prague)

03/2016-09/2016

Volunteer Research assistant at the Department of Drug Science, biochemistry section.
University of Catania.

In-cell Western, cell cultures, extraction and transplantation of pancreatic islands in rats, LOOH assay, ELISA, immunohistochemistry, cellular viability, ROS measurement, DNA-damage, annex, caspase, cell treatments, cells migration, RT-PCR, MiRNA.

04/2015 –05/2015

Experimental thesis carried out abroad

New York Medical College, 15 Dana Road, Valhalla, NY 10595, United States of America.

Western Blot, cell cultures; Electrophoresis; Protein homogenization and quantification of tissues, spectrophotometry, cell treatments and induction adipogenesis, RT-PCR, OIL RED method.

11/2012 – 04/2013

Internship in Pharmacy

Pharmacy Dr. Ragusa Vincenzo, Via Umberto 41, 12, Militello in Val di Catania (CT).

Assistance to the sale to the public, management of the cashier, customer relationship, orders and warehouse management.

Publications



Heme Oxygenase-1 Inhibition Sensitizes Human Prostate Cancer Cells towards Glucose Deprivation and Metformin-Mediated Cell Death.

Raffaele M, Pittalà V, Zingales V, Barbagallo I, Salerno L, Li Volti G, Romeo G, Carota G, Sorrenti V, Vanella L.

Int J Mol Sci. 2019 May 27;20(10). pii: E2593

Protective Effects of Caffeic Acid Phenethyl Ester (CAPE) and Novel Cape Analogue as Inducers of Heme Oxygenase-1 in Streptozotocin-Induced Type 1 Diabetic Rats.

Sorrenti V, Raffaele M, Vanella L, Acquaviva R, Salerno L, Pittalà V, Intagliata S, Di Giacomo C.

Int J Mol Sci. 2019 May 17;20(10). pii: E2441.

Beneficial Effects of Thymoquinone on Metabolic Function and Fatty Liver in a Murine Model of Obesity.

Maria Licari, Marco Raffaele, Zachary F. Rosman, Joseph Schragenheim, Lars Bellner, Luca Vanella, Rita Rezzani, Luigi Rodella, Francesca Bonomini, Edith Hochhauser, Michael Arad and Nader G. Abraham

J Nutr Food Sci 2019, 9:1, DOI: 10.4172/2155-9600.1000751

Mesenteric lymph nodes as alternative site for pancreatic islet transplantation in a diabetic rat model.

Veroux M, Bottino R, Santini R, Bertera S, Corona D, Zerbo D, Li Volti G, Ekser B, Puzzo L, Raffaele M, Lo Bianco S, Giaquinta A, Veroux P, Vanella L.

BMC Surg. 2019 Apr 24;18(Suppl 1):126.

Epoxyeicosatrienoic intervention improves NAFLD in leptin receptor deficient mice by an increase in HO-1-PGC1 α -mitochondrial signaling.

Raffaele M, Bellner L, Singh SP, Favero G, Rezzani R, Rodella LF, Falck JR, Abraham NG, Vanella L.

Exp Cell Res. 2019 Apr 27. pii: S0014-4827(19)30213-7

Beneficial Effects of Pomegranate Peel Extract and Probiotics on Pre-adipocyte Differentiation.

Sorrenti V, Randazzo CL, Caggia C, Ballistreri G, Romeo FV, Fabroni S, Timpanaro N, Raffaele M, Vanella L.

Front Microbiol. 2019 Apr 3;10:660.

N-Acetylcysteine (NAC) Ameliorates Lipid-Related Metabolic Dysfunction in Bone Marrow Stromal Cells-Derived Adipocytes.

Raffaele M, Barbagallo I, Licari M, Carota G, Sferrazzo G, Spampinato M, Sorrenti V, Vanella L.

Evid Based Complement Alternat Med. 2018 Oct 17;2018:5310961

Development of NASH in Obese Mice is Confounded by Adipose Tissue Increase in Inflammatory NOV and Oxidative Stress.

Sacerdoti D, Singh SP, Schragenheim J, Bellner L, Vanella L, Raffaele M, Meissner A, Grant I, Favero G, Rezzani R, Rodella LF, Bamshad D, Lebovics E, Abraham NG.

Int J Hepatol. 2018 Jul 2;2018:3484107.

Ablation of soluble epoxide hydrolase reprogram white fat to beige-like fat through an increase in mitochondrial integrity, HO-1-adiponectin in vitro and in vivo.

Liu L, Puri N, Raffaele M, Schragenheim J, Singh SP, Bradbury JA, Bellner L, Vanella L, Zeldin DC, Cao J, Abraham NG.

Prostaglandins Other Lipid Mediat. 2018 Sep;138:1-8.

Heme Oxygenase Inhibition Sensitizes Neuroblastoma Cells to Carfilzomib

Barbagallo I, Giallongo C, Volti GL, Distefano A, Camiolo G, Raffaele M, Salerno L, Pittalà V, Sorrenti V, Avola R, Di Rosa M, Vanella L, Di Raimondo F, Tibullo D. Mol Neurobiol. 2019 Feb;56(2):1451-1460. doi: 10.1007/s12035-018-1133-6. Epub 2018 Jun 10.

The effects of olive leaf extract from a Sicilian cultivar in an experimental model of hepatic steatosis

Barbagallo I, Li Volti G, Raffaele M, Distefano A, Palmeri R, Parafati L, Licari M, Zingales V, Avola R, Vanella L. Rendiconti Lincei, Volume 28, Issue 4, 1 December 2017, Pages 643-650

Metformin: A bridge between diabetes and prostate cancer

Zingales V, Distefano A, Raffaele M, Zanghi A, Barbagallo I, Vanella L. Front Oncol. 2017 Oct 11;7:243. doi: 10.3389/fonc.2017.00243. eCollection 2017. Review.

Caffeic Acid Phenethyl Ester Restores Adipocyte Gene Profile Expression Following Lipopolysaccharide Treatment

Ignazio Barbagallo, Giovanni Li Volti, Valeria Sorrenti, Claudia Di Giacomo, Rosaria Acquaviva, Marco Raffaele, Fabio Galvano, Luca Vanella. Letters in Drug Design & Discovery 14(4):481-487 · February 2017

A new antioxidant formulation reduces the apoptotic and damaging effect of cigarette smoke extract on human bronchial epithelial cells

Vanella L, Li Volti G, Distefano A, Raffaele M, Zingales V, Avola R, Tibullo D, Barbagallo I. European Review for Medical and Pharmacological Sciences Volume 21, Issue 23, 2017, Pages 5478-5484

(+)-Pentazocine attenuates SH-SY5Y cell death, oxidative stress and microglial migration induced by conditioned medium from activated microglia.

Heiss K, Raffaele M, Vanella L, Murabito P, Prezzavento O, Marrazzo A, Aricò G, Castracani CC, Barbagallo I, Zappalà A, Avola R, Li Volti G. Neurosci Lett. 2017 Mar 6;642:86-90.

Novel Caffeic Acid Phenethyl Ester (Cape) Analogues as Inducers of Heme Oxygenase-1.

Pittalà V, Vanella L, Salerno L, Di Giacomo C, Acquaviva R, Raffaele M, Romeo G, Modica MN, Prezzavento O, Sorrenti V. Curr Pharm Des. 2017 Feb 10.

Olive Leaf Extract from Sicilian Cultivar Reduced Lipid Accumulation by Inducing Thermogenic Pathway during Adipogenesis.

Palmeri R, Monteleone JI, Spagna G, Restuccia C, Raffaele M, Vanella L, Li Volti G, Barbagallo I. Front Pharmacol. 2016 May 31; 7:143.

Therapeutic Efficacy of Stem Cells Transplantation in Diabetes :Role of Heme Oxygenase.

Marco Raffaele, Giovanni Li Volti, Ignazio A. Barbagallo and Luca Vanella. Front Cell Dev Biol. 2016 Aug 5; 4:80



27-30/06/2019

A small-molecule inhibitor of heme oxygenase-1 enhances metformin antiproliferative activity.

V. Pittalà, M. Raffaele, L. Salerno, A. N. Fallica, V. Ciaffaglione, V. Sorrenti, and L. Vanella

11th Joint Meeting on Medicinal Chemistry 2019, Prague

24-25/11/2016

Role of nitric oxide in experimental model of diabetic nephropathy: effects of *Betula aetnensis* Rafin extract

Acquaviva R., Tomasello B., Sorrenti V., Malfa G., Di Mauro M., Raffaele M., Ragusa S., Di Giacomo C.

2nd Sino-Italian symposium on Bioactive Natural Products – SISBNP2016, Napoli (Internazionale)

I authorize the processing of personal data pursuant to ART. 13 of Legislative Decree 196/2003