PERSONAL INFORMATION

Pietro Campiglia

OMISSIS

University of Salerno
Department of Pharmacy
Via Giovanni Paolo II, 132, Fisciano 84084 (SA)

[redacted]

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https://docenti.unisa.it/005820/home

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Enterprise	University	EPR
☐ Management Level	☒ Full professor	☐ Research Director and 1st level Technologist / First Researcher and 2nd level Technologist / Principal Investigator
☐ Mid-Management Level	☐ Associate Professor	☐ Level III Researcher and Technologist
☐ Employee / worker level	☐ Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	☐ Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

WORK EXPERIENCE

12/2018 - current
Head of the Department of Pharmacy
Department of Pharmacy (DIFARMA), University of Salerno, Fisciano (SA), Academia

11/2015 – current
Full Professor of Medicinal Chemistry (SSD CHIM/08, L. 240/10)
Department of Pharmacy (DIFARMA), University of Salerno, Fisciano (SA), Academia

2011 – 2015
Associate Professor of Medicinal Chemistry (SSD CHIM/08, L. 240/10)
Department of Pharmacy (DIFARMA), University of Salerno, Fisciano (SA), Academia

2005 – 2011
Researcher in Medicinal Chemistry (SSD CHIM/08, L. 240/10)
Department of Biomedical and pharmaceutical sciences, University of Naples, Naples (NA), Academia

2004 – 2005
Research Fellow in Medicinal Chemistry (SSD CHIM/08, L. 240/10)
Department of Biomedical and pharmaceutical sciences, University of Naples, Naples (NA), Academia

2019 – current
Deputy rector for Research
University of Salerno, Fisciano (SA), Academia

2015 – 2019
Coordinator for the interuniversity consortium for healthy living, active and independent life
University of Salerno, Fisciano (SA), Academia

2014 – Current
Member of the Patent and Spin-off Commission
University of Salerno, Fisciano (SA), Academia

2013 – 2019
Deputy Rector for Fundraising and Technology transfer
University of Salerno, Fisciano (SA), Academia

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EDUCATION AND TRAINING

11/2000 – 11/2003

PhD in Pharmaceutical Sciences

School of Pharmacy, University of Naples Federico II

01/10/1995 – 5/07/2000

Master degree in Pharmaceutical Chemistry and Technology

Summa cum laude, School of Pharmacy, University of Naples Federico II

WORK ACTIVITIES

Editorial activity

Guest Editor for the journal Molecules Special Issue "Synthesis of Heterocyclic Compounds with Pharmacological Properties".
Guest Editor for the journal International Journal of Molecular Sciences, Special Issue "Voltage-Gated and TRP Ion Channels: Molecular Basis for their Function, Misfunction, and Therapeutic Applications"

Referee for the following international journals: Journal of Chromatography A, , Food Research International, Food Chemistry, Biomedical Chromatography, Plos One, Journal of Functional Foods, Journal of Pharmaceutical and Biomedical Analysis, Molecules, International Journal of Molecular Sciences, Food Chemistry X, Food Analytical Methods.

Invited presentations

Prof. Campiglia has co-authored more than 100 Congress Proceedings in the field of Medicinal Chemistry, Metabolomics and Nutraceutics

Grants

Spoke coordinator of project PNC "Digital Driven Diagnostics, prognostics and therapeutics for sustainable Health care D3 4 Health" [09-2022/– Current]

Unit coordinator responsible for project PATHOGEN READINESS PLATFORM FOR CERIC-ERIC UPGRADE PRP@CERIC [2022 – Current]

WP coordinator for the project Centro Nazionale di Ricerca Sviluppo di terapia genica e farmaci con tecnologia a RNA CN-3 [2022-current]

Unit coordinator responsible for the realisation of a Mass Spectrometry Facility for the infrastructural project Bio Open Lab [08/07/2019 – Current]

Unit coordinator for the regione Campiania "Infrastructure for precision medicine in oncology (PREMIO)" [26/11/2018 – Current]

Unit Coordinator of the regione Campania project "Fighting Cancer resistance: Multidisciplinary integrated Platform for a technological Innvovative Approach to Oncotherapies (Campania Oncotherapies)" [01/01/2018 – Current]

Unit coordinator for the project PROGEMA (PON R&I 2014-2020 and PNR 2015-2020) [14/10/2019 – Current]

Unit coordinator for the project Nutraceutica e cosmeceutica come strumenti di tutela della salute dell'uomo (PON I&C 2014-2020) [21/01/2019 – Current]

Scientific director of unity of PON project research and competitiveness, Pon01-01499 Hi-life [01/09/2011 – 30/08/2016]

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Member of the Technical Committee of Scientific Management POR_CAMPUS "Salus per lactem."[2013 – 2016]

Head of the research unit of PRIN Projects in 2007, 2009 and 2012

Coordinator of the project FARMABIONET [03/08/2013 – 31/12/2019]

Coordinator for Phase 2 multicentric open study to assess safety, efficacy and tolerabilty of laranzotide acetate in elderly patients affected by different respiratory syndromes [18/05/2020 – 17/11/2020]

Patents

METHOD FOR THE DIAGNOSIS OF ENDOMETRIAL CARCINOMA EP3262416A1 (B1) • 2018-01-03 • HOSMOTIC SRL [IT] Earliest priority: 2015-02-27 • Earliest publication: 2018-01-03
METODO PER LA DIAGNOSI DI CARCINOMA ENDOMETRIALE ITUB20150390A1 • 2016-08-27 • HOSMOTIC SRL Earliest priority: 2015-02-27 • Earliest publication: 2016-08-27
MODULATORS OF POTASSIUM ION CHANNELS AND USES THEREOF WO2020157126A1 • 2020-08-06 • UNIVERSITÀ DEGLI STUDI DI SALERNO [IT] Earliest priority: 2019-01-29 • Earliest publication: 2020-08-06

Personal skill and competences

Wet vs Computational= (90:10).
Cancer, Omics
The fields of expertise of Professor Campiglia comprise Medicinal chemistry, pharmaceutical analysis, mass spectrometry (MS) methods for metabolomics, lipidomics and proteomics, and nutraceutics. Prof. Campiglia is expert in: expert in the application of advanced MS-based approaches (such as UHPLC-HRMS, 2DLC-MS and MALDI-MSI) for the analysis of biofluids, tissues, and cell lysate to identify and quantify dysregulated metabolites, lipids and proteins in disease models (such as CVDs and cancer models) as well as to evaluate novel drugs pharmacodynamics by multi-omics approaches and statistics. In addition, he is an expert of Drug Discovery, with wet and computational approaches, and using both etherocyclic and solid phase peptide synthesis. Finally, his interests involve the evaluation and characterization of bioactive compounds from natural sources, nutraceuticals, and by-products of food industry, for the potential employment as adjuvant therapies for the treatment of metabolic diseases.

Mother Tongue

Italian

English B2

ADDITIONAL INFORMATION

Publications

total number of publications in peer-review journals: **272**
total number of citations: **6173**
H index (Scopus): **42** **https://www.scopus.com/authid/detail.uri?authorId=6603015488**
Selected papers

1. Carbone D, Vestuto V, Ferraro MR, Ciaglia T, Pecoraro C, Sommella E, Cascioferro S, Salviati E, Novi S, Tecce MF, Amodio G, Iraci N, Cirrincione G, **Campiglia** P, Diana P, Bertamino A, Parrino B, Ostacolo C. Metabolomics-assisted discovery of a new anticancer GLS-1 inhibitor chemotype from a nortopsentin-inspired library: From phenotype screening to target identification. Eur J Med Chem. 2022 Apr 15;234:114233. doi: 10.1016/j.ejmech.2022.114233. Epub 2022 Mar 6. PMID: 35286926.

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2. Di Pietro P, Carrizzo A, Sommella E, Oliveti M, Iacoviello L, Di Castelnuovo A, Acernese F, Damato A, De Lucia M, Merciai F, Iesu P, Venturini E, Izzo R, Trimarco V, Ciccarelli M, Giugliano G, Carnevale R, Cammisotto V, Migliarino S, Virtuoso N, Strianese A, Izzo V, **Campiglia** P, Ciaglia E, Levkau B, Puca AA, Vecchione C. Targeting the ASMase/S1P pathway protects from sortilin-evoked vascular damage in hypertension. J Clin Invest. 2022 Feb 1;132(3):e146343. doi: 10.1172/JCI146343. PMID: 35104805; PMCID: PMC8803332.

3. Sommella E, Verna G, Liso M, Salviati E, Esposito T, Carbone D, Pecoraro C, Chieppa M, **Campiglia** P. Hop-derived fraction rich in beta acids and prenylflavonoids regulates the inflammatory response in dendritic cells differently from quercetin: unveiling metabolic changes by mass spectrometry-based metabolomics. Food Funct. 2021 Dec 13;12(24):12800-12811. doi: 10.1039/d1fo02361f. PMID: 34859812.

4. Di Sarno V, Lauro G, Musella S, Ciaglia T, Vestuto V, Sala M, Scala MC, Smaldone G, Di Matteo F, Novi S, Tecce MF, Moltedo O, Bifulco G, **Campiglia** P, Gomez-Monterrey IM, Snoeck R, Andrei G, Ostacolo C, Bertamino A. Identification of a dual acting SARS-CoV-2 proteases inhibitor through in silico design and step-by-step biological characterization. Eur J Med Chem. 2021 Dec 15;226:113863. doi: 10.1016/j.ejmech.2021.113863. Epub 2021 Sep 22. PMID: 34571172; PMCID: PMC8457654.

5. Carrizzo A, Conte GM, Sommella E, Damato A, Ambrosio M, Sala M, Scala MC, Aquino RP, De Lucia M, Madonna M, Sansone F, Ostacolo C, Capunzo M, Migliarino S, Sciarretta S, Frati G, **Campiglia** P, Vecchione C. Novel Potent Decameric Peptide of Spirulina platensis Reduces Blood Pressure Levels Through a PI3K/AKT/eNOS-Dependent Mechanism. Hypertension. 2019 Feb;73(2):449-457. doi: 10.1161/HYPERTENSIONAHA.118.11801. PMID: 30595120.

6. Meng D, Sommella E, Salviati E, **Campiglia** P, Ganguli K, Djebali K, Zhu W, Walker WA. Indole-3-lactic acid, a metabolite of tryptophan, secreted by Bifidobacterium longum subspecies infantis is anti-inflammatory in the immature intestine. Pediatr Res. 2020 Aug;88(2):209-217. doi: 10.1038/s41390-019-0740-x. Epub 2020 Jan 16. PMID: 31945773; PMCID: PMC7363505.

7. Ostacolo C, Miceli F, Di Sarno V, Nappi P, Iraci N, Soldovieri MV, Ciaglia T, Ambrosino P, Vestuto V, Lauritano A, Musella S, Pepe G, Basilicata MG, Manfra M, Perinelli DR, Novellino E, Bertamino A, Gomez-Monterrey IM, **Campiglia** P, Taglialatela M. Synthesis and Pharmacological Characterization of Conformationally Restricted Retigabine Analogues as Novel Neuronal Kv7 Channel Activators. J Med Chem. 2020 Jan 9;63(1):163-185. doi: 10.1021/acs.jmedchem.9b00796. Epub 2019 Dec 24. PMID: 31815462.

8. Troisi J, Pierri L, Landolfi A, Marciano F, Bisogno A, Belmonte F, Palladino C, Guercio Nuzio S, **Campiglia** P, Vajro P. Urinary Metabolomics in Pediatric Obesity and NAFLD Identifies Metabolic Pathways/Metabolites Related to Dietary Habits and Gut-Liver Axis Perturbations. Nutrients. 2017 May 11;9(5):485. doi: 10.3390/nu9050485. PMID: 28492501; PMCID: PMC5452215.

9. Donato P, Cacciola F, Sommella E, Fanali C, Dugo L, Dachà M, **Campiglia** P, Novellino E, Dugo P, Mondello L. Online comprehensive RPLC × RPLC with mass spectrometry detection for the analysis of proteome samples. Anal Chem. 2011 Apr 1;83(7):2485-91. doi: 10.1021/ac102656b. Epub 2011 Mar 8. PMID: 21384902.

10. Ortuso F, Paduano F, Carotenuto A, Gomez-Monterrey I, Bilotta A, Gaudio E, Sala M, Artese A, Vernieri E, Dattilo V, Iuliano R, Brancaccio D, Bertamino A, Musella S, Alcaro S, Grieco P, Perrotti N, Croce CM, Novellino E, Fusco A, **Campiglia** P, Trapasso F. Discovery of PTPRJ agonist peptides that effectively inhibit in vitro cancer cell proliferation and tube formation. ACS Chem Biol. 2013 Jul 19;8(7):1497-506. doi: 10.1021/cb3007192. Epub 2013 May 13. PMID: 23627474.

L'originale compilato e sottoscritto è depositato presso gli Uffici dell'Ente

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