

PERSONAL INFORMATION

Paolo Gieco



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🌐 State personal website(s)

🌐 <https://www.docenti.unina.it/#!/professor/50414f4c4f47524945434f475243504c413634433331423939304c/riferimenti>

Sex Male | Date of birth 31/03/1960 | Nationality Italian

Enterprise	University	EPR
<input type="checkbox"/> Management Level	<input checked="" type="checkbox"/> Full professor	<input type="checkbox"/> Research Director and 1st level Technologist / First Researcher and 2nd level Technologist / Principal Investigator
<input type="checkbox"/> Mid-Management Level	<input type="checkbox"/> Associate Professor	<input type="checkbox"/> Level III Researcher and Technologist
<input type="checkbox"/> Employee / worker level	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

WORK EXPERIENCE

From 2012 to date	Full professor of Pharmaceutical and Tox. Chemistry (CHIM/08), Department of Pharmacy, University of Naples Federico II
From 2010 to date	Member of the teaching staff of the School of Specialization in Hospital Pharmacy, University of Naples Federico II.
From 2019 to today	Responsible for Third Mission activities of the Department of Pharmacy
From 2019 to date	Component of the Scientific Committee of Ph.D. Course of Pharmaceutical Sciences of the Department of Pharmacy, University of Naples Federico II
From 1986 to today	Component of the Scientific Committee of the European School of Medicinal Chemistry
From 2002 to today	Member of the Italian Society of Pharmacology (SIF)
From 2012 to today	Member of the Italian Society of Peptide (ItPS)
From 2002 to today	Member of European Society of Peptide (ESP)
From 1998 to today	Member of American Society of Peptide (ASP)

EDUCATION AND TRAINING

From November 1989 to November 1992	Achievement of the Ph.D. in Pharmaceutical Sciences with a thesis on the synthesis of biologically active peptides.
From January 1998 to October 1999	Visiting Researcher for a period of 22 months at the Dept of Chemistry and Biochemistry, University of Arizona AZ - USA under the supervision of Prof. Victor J. Hruby coordinating a project funded by Merck for the development of active peptide melanocortin receptor hMC4 as potential anti-obesity drugs.

WORK ACTIVITIES

Awards

Victor J. Hruby Fellowship in Peptide Research, University of Arizona, Arizona, USA for scientific achievements for discovering selective peptide ligands and receptors hMC4 hMC5. The scientific work was the subject of patents and scientific papers published in journals International.

2019 "top 2% of scientists" based on the article "A standardized citation metrics author database annotated for scientific field" by Ioannidis JPA, Baas J, Klavans R, Boyack KW. Plos Biology 2019 <https://doi.org/10.1371/journal.pbio.3000384>

Editorial activity

Le Interazioni Farmaco-Cibo: un rischio sottostimato

Authors: Paolo Grieco e Tina Alaia

Editor: Maya Idee Edizione

Collana: I manuali

ISBN-10: 8895958268

ISBN-13: 978-8895958262

Invited presentations

- 14th Chinese International Peptide Symposium & the 5th Asia-Pacific International Peptide Symposium, July 4-7, 2016, Nanjing, China.

Presentation title: "Potential clinical implications of the Urotensin-II receptor: its predictive role in cancer";

- 20th American Peptide Society Symposium, Peptides for Youth, June 26–30, 2007, Montréal, Québec, Canada. He also participated in this event as a "Young Investigators' Poster Judge" to evaluate Posters of Ph.D. students and PostDocs.

Presentation title: "Modeling and docking studies of human Urotensin-II receptor in the active and inactive state";

- 22nd American Peptide Society Symposium, Peptides for Youth, June 07–12, 2009, Bloomington, Indiana, USA. At this event, he also participated as a judge in the "Young Investigators' Poster Competition" to evaluate Ph.D. students and PostDoc Posters.

- 10th Naples Workshop on Bioactive Peptide, June 11-14, 2006, Naples (Italy).

Presentation title: "Extensive SAR study at N-terminal position of urotensin-II analogs P5U and urantide";

- 17th American Peptide Society Symposium, "The Wave of the Future", June 9-14, 2001 San Diego, California. Presentation title: "Design, synthesis and conformational analysis of human Urotensin-II analogues with lactam bridge";

Grants

European Research Projects

- Scientific Responsible of the European project within the European Horizon2020 program, Marie Skłodowska-Curie Action, Research and Innovation Staff Exchange (RISE)" Contract No. 823939 (2018), entitled "Green Enantioselective Halogenation for Drug Discovery and Manufacture" (GreenX4Drugs);

- Scientific Responsible for the European project within the European Horizon2020 program, Marie Skłodowska-Curie Action, Research, and Innovation Staff Exchange (RISE)" Contract No. 690882 (2016), entitled "New Quaternary Ammonium Salts for Use in Drug Manufacture" (QuatSalts);

National Research Projects

- Head of the operative unit of the University of Naples, for the PRIN 2001 project "Design, synthesis and biological evaluation of new cardiovascular drugs" (National Coordinator Prof. V. Tortorella). Funded by MIUR, Italy.

- Head of the operative unit of the University of Naples, for the PRIN 2003 project "Design, synthesis and biological evaluation of peptidomimetics active on the human urotensin receptor and on PPARs receptors". (National coordinator Prof. V. Tortorella). Funded by MIUR, Italy

- Responsible for the operative unit of the University of Naples, for the PRIN 2005 project "Design and synthesis of new structurally bound molecules as peptidomimetics of self-antigens". (National coordinator Prof. AM. Papini). Funded by MIUR, Italy.

• Head of the University of Naples operative unit, for the PRIN 2008 project "Design, synthesis and characterization of new building blocks for solid phase peptide synthesis". (National coordinator Prof. AM. Papini). Funded by MIUR, Italy.

• Head of the operating unit of the University of Naples, for the PRIN 2010-2011 project "Identification of molecular, metabolic and clinical determinants of the progression of heart failure: a translational medicine approach for the identification of new therapeutic targets". (National coordinator Prof. B. Trimarco). Funded by MIUR, Italy.

• Responsible of the operating unit of the University of Naples, for the FIRB 2011-Program Agreements project "Advanced technological platforms for the definition of new biomarkers and molecular targets in nanotechnological vectors for the diagnosis and therapy of human neoplasms". (National Coordinator Prof. AM. Colao).

Patents

- 1) PATENT N° FI2002A000080 of 14-05-2002 entitled "Cyclic analogues of Urotensin-II". Authors: Ettore Novellino, Paolo Grieco, Paolo Rovero
- 2) PATENT N° FI2003A000238 dated 13-09-2003 entitled "Cyclic peptides antagonists of Urotensin-II. Authors: Ettore Novellino, Paolo Grieco, Paolo Rovero
- 3) PATENT N. FI2007A000032 entitled "Urotensin-II peptide antagonists". Inventors: Ettore Novellino, Paolo Grieco, Paolo Rovero
- 4) PATENT N. FI2006A000340 entitled "UTR as a diagnostic marker of prostate cancer". Inventors: Ettore Novellino, Paolo Grieco, Michele Caraglia, Alfredo Budillon, Renato Franco
- 5) PCT 4501 entitled "Antagonist at Urotensin-II receptor". Inventors: Ettore Novellino, Paolo Grieco, Paolo Rovero
- 6) PCT 7987 "Diagnostic Markers for Prostatic Carcinoma". Authors: Ettore Novellino, Paolo Grieco, Michele Caraglia, Alfredo Budillon, Renato Franco
- 7) IT2012RM00267 20120608 entitled "Micronizable Liquid Formulation for Therapeutic Treatment of Acne and other Related Skin Pathologies" Inventors: Virginia Campani; Antonio Chiarella; Giuseppe De Rosa; Paolo Grieco; Michele Pitaro. Bibliographic date: ITRM20120267 (A1) – 12-09-2013
- 8) IT2011MI00208 20110211 entitled "Heterocycles with Antihypertensive Activity". Inventors: Maria Vittoria Diurno; Paolo Grieco; Joseph Lembo. Bibliographic date: ITMI20110208 (A1) – 12-08-2012

Collaborations

Prof. Victor J. Hruby, Regents Professor, Department of Chemistry and Biochemistry
University of Arizona, Tucson, AZ, USA

Prof. Stephen Getting, BSc (Jt Hons), PhD, PGCertHE, FHEA. Pharmacology and Physiology
School of Life Sciences, College of Liberal Arts and Sciences, University of Westminster, London
UK

Prof. Mauro Perretti, Dean for Research and Research Impact, William Harvey Research
Institute Barts & The London School of Medicine & Dentistry Queen Mary University of London,
London, UK

Prof. William Lubell, Département de Chimie, Université de Montréal, C. P. 6128 Succursale
Centre Ville Montréal, Québec H3C 3J7, CANADA

Prof. David Chatenet, Institut National de la Recherche Scientifique, Centre INRS - Institut
Armand-Frappier Université du Québec, Réseau International des Instituts Pasteur, 531,
Boulevard des Prairies, Laval (Quebec) H7V 1B7 CANADA

ADDITIONAL INFORMATION

Publications

(SCOPUS) total number of publications in peer-review journals **199**
publications in the last 10 years: **85**
total number of citations **4250**
H index **38**

Some papers of last 5 years

Gimenez L.E.; Noblin T.A.; Williams S.Y.; Mullick Bagchi S.; Ji R.L.; Tao Y.X.; Jeppesen C.B.; Conde-
Frieboes K.W.; Sawyer T.K.; Grieco P.; Cone RD.

Demonstration of a Common DPhe7 to DNal(2')7 Peptide Ligand Antagonist Switch for Melanocortin-3 and
Melanocortin-4 Receptors Identifies the Systematic Mischaracterization of the Pharmacological Properties of
Melanocortin Peptides.

J Med Chem. 2022 Apr 28;65(8):5990-6000.

doi: 10.1021/acs.jmedchem.1c01295.

Roschetto E.; Bellavita R.; Paolillo R.; Merlino F.; Molfetta N.; Grieco P.; Buommino E.; Catania M.R.
Antimicrobial Activity of a Lipidated Temporin L Analogue against Carbapenemase-Producing *Klebsiella pneumoniae* Clinical Isolates.
Antibiotics (Basel). 2021 Oct 28;10(11):1312.
doi: 10.3390/antibiotics10111312.

Bellavita R.; Casciaro B.; Di Maro S.; Brancaccio D.; Carotenuto A.; Falanga A.; Cappiello F.; Buommino E.,
Galdiero S.; Novellino E.; Grossmann T.N.; Mangoni M.L.; Merlino F.; Grieco P.
First-in-Class Cyclic Temporin L Analogue: Design, Synthesis, and Antimicrobial Assessment.
J Med Chem. 2021 Aug 12;64(15):11675-11694.
doi: 10.1021/acs.jmedchem.1c01033. Epub 2021 Jul 23.

Bicyclic β -Sheet Mimetics that Target the Transcriptional Coactivator β -Catenin and Inhibit Wnt Signaling.
Wendt M.; Bellavita R.; Gerber A.; Efrém N.L.; van Ramshorst, T.; Pearce N.M.; Davey P.R.J.; Everard I.;
Vazquez-Chantada M.; Chiarparin E.; Grieco P.; Hennig S.; Grossmann T.N.
Angew Chem Int Ed Engl. 2021 Jun 14;60(25):13937-13944.
doi: 10.1002/anie.202102082.

Grieco P.
When Macrocyclic Peptides Meet the Crystal Structure of a Melanocortin Receptor.
J Med Chem. 2021 Jan 14;64(1):354-356.
doi: 10.1021/acs.jmedchem.0c02087. Epub 2021 Jan 4

Bellavita, R.; Falanga, A.; Buommino, E.; Merlino, F.; Casciaro, B.; Cappiello, F.; Mangoni, M.L.; Novellino,
E.; Catania, M.R.; Paolillo, R.; Grieco, P.; Galdiero, S.
Novel temporin L antimicrobial peptides: promoting self-assembling by lipidic tags to tackle superbugs.
J. Enzyme Inhib Med Chem. 2020 Dec;35(1):1751-1764.
doi: 10.1080/14756366.2020.1819258.PMID: 32957844

Breast Tumor Cell Invasion and Pro-Invasive Activity of Cancer-Associated Fibroblasts Co-Targeted by Novel
Urokinase-Derived Decapeptides.
Belli, S.; Franco, P.; Iommelli, F.; De Vincenzo, A.; Brancaccio, D.; Telesca, M.; Merlino, F.; Novellino, E.;
Ranson, M.; Del Vecchio, S.; Grieco, P.; Carotenuto, A.; Stoppelli, M. P.
Cancers (Basel). 2020 Aug 24;12(9):E2404.
doi: 10.3390/cancers12092404.PMID: 32847144

Buommino, E., Carotenuto, A., Antignano, I., Bellavita, R., Casciaro, B., Loffredo, M.R., Merlino, F.,
Novellino, E., Mangoni, M.L., Nocera, F.P., Brancaccio, D., Punzi, P., Roversi, D., Ingenito, R., Bianchi, E.,
Grieco, P.
The Outcomes of Decorated-Prolines in Discovering Novel Antimicrobial Peptides from Temporin-L.
ChemMedChem. May 14. 2019
doi: 10.1002/cmdc.201900221.

Naples, 9, 5, 2023

Prof. Paolo Grieco

