CV ai fini della pubblicazione

Decreto Rettore Università di Roma "La Sapienza" n 2190/2020 del 31/08/2020

FEDERICA RINALDI Curriculum Vitae

Place: Roma Date: 21/10/2020

Part I – General Information

Full Name	Federica Rinaldi
Spoken Languages	Italian (mother tongue), English

Part II – Education

Type University graduation	Year 2008	Institution University of Rome "la Sapienza"	Notes (Degree, Experience,) Degree in Chemistry and Pharmaceutical Technologies at theFaculty of Pharmacy, "La Sapienza" University of Rome. Experimental thesis entitled: Characterization studiesof pH- sensitive vesiclesby new derivatives surfactants". (Supervisor: Prof.
License	2009	License to practice the profession of Pharmacist.	Eleonora Santucci). License to practice the pharmacy profession
PhD	2012	University of Rome "la Sapienza"	PhD in "Pharmaceutical Sciences" at the Department of Drug Chemistry and Technologies of the Faculty of Pharmacy ("La Sapienza" University of Rome). PhD thesis on "Novel targeting strategies: vesicles by "classical" and synthetic surfactants" (Supervisor: Prof. Maria Carafa)

Part III – Appointments

IIIA - Academic Appointments

Start	End	Institution	Position	
29/05/2020	29/05/2029	Ministero dell'Istruzione	National Scientific Qualificatio	n
		dell'Università e della ricerca (MIUR)	(ASN) as associate professo	or
			(Professore di II fascia, Settor	e

Concorsuale 03/D2 Tecnologia, Socioeconomia e Normativa dei Medicinali, SSD CHIM/09)

Year	Institution	Course			
2020-to	Tor Vergata University of Rome	Everyday Pharmacy (Pharmacy degree course)			
present					
2019-	Tor Vergata University of Rome	Everyday Pharmacy (Pharmacy degree course)			
2020					
2018- 2019	Tor Vergata University of Rome	Everyday Pharmacy (Pharmacy degree course)			
2017-	University of Rome "la Sapienza"	Seminars for PhD degree in "Pharmaceutical			
2018		Sciences" at the Department of Drug Chemistry			
		and Technologies of the Faculty of Pharmacy ("La			
		Sapienza" University of Rome): "Niosomes: the			
		state of the art" and ""Soft" nanocarriers: a versatile strategy for brain delivery			
2014-	University of Rome "la Sapienza"	Nanoemulsions lessons for the Graduate School of			
2017		"Farmacia Ospedaliera" (SSFO)			
2012-	University of Rome "la Sapienza"	Coordinator in laboratory practice for students of			
present		"Tecnologia, Socioeconomia e Legislazione			
		Farmaceutiche I" and "Tecnologia, Socioeconomia			
		e Legislazione Farmaceutiche II" for "Farmacia" degree			
2012-	University of Rome "la Sapienza"	Commission exam member Tecnologia,			
present	University of Rome la Saplenza	Socioeconomia e Legislazione Farmaceutiche I			
2015-	University of Rome "la Sapienza"	Commission exam member Tecnologia,			
present		Socioeconomia e Legislazione Farmaceutiche II			

Part IV – Teaching experience

Part V - Society memberberships, Awards and Honors

Year	Title			
2012- present	Member of the Associazione Docenti e Ricercatori Italiani di Tecnologie e Legislazione Farmaceutiche (ADRITELF)			
2012- present	Member of the Controlled Release Society (CRS) Italian Chapter			
2014- present	Member of the SCI (Società Chimica Italiana)			
2017	Recognition by the European Commission: Nanotechnology for safe drug delivery. Niosomal approach to brain delivery: development, characterization and in vitro toxicological studies, Ingallina C., RINALDI F., et al., JRC Publication N°: JRC101527 (https://ec.europa.eu/jrc/en/search/site/Rinaldi)			
2017	Recognition by the European Commission: Nanotechnology for safe drug delivery. pH-sensitive niosomes: Effects on cytotoxicity and on inflammation and pain in murine models, RINALDI F. et al. JRC Publication N°: JRC101534 (https://ec.europa.eu/jrc/en/search/site/Rinaldi)			
2018	Best poster award: Prolongation of local pain insensitivity by anesthetic lidocaine loaded pH- TW20 Gly niosomes: effects on nociception in murine models of pain, Paola Minosi, Francesca Marzoli, Laura Ciarlo, Amalia Di Giannuario, Maria Carafa, FEDERICA RINALDI, Stefano Pieretti; NANOMEDICINE ROME 2018-6			

PART VI OTHER ACTIVITIES

2010- to present: Invited lecture and oral presentation (6 conferences);

2012-to present: Member of the organizing Committee of 3 national and international conferences;

2012- to present: Reviewer for several international journals focused on nanotechnology and drug delivery;

2013-to present: Collaboration with international group:

- Research activity with Department of Nanomedicine, The Methodist Hospital Research Institute, Houston, TX, United States From 01/01/2013 to 01/01/2014.
- Research activity with: Department Min-Met-Materials eng. & University Hospital Research Center; Laval University; Quebec City, Canada. From 01/01/2014 to 30/06/2014.
- Research activity with: Department of Translational Imaging, Houston Methodist Research Institute, Houston, TX, United States. From 01/01/2014 to 1/01/2015.
- Research activity with: Department of Chemistry, Helwan University, 11795 Helwan, Egypt. From 01/01/2015 to 4/06/2015.
- Research activity with: Y.K. Reshetnyak, Physics Department, University of Rhode Island, Kingston, RI, USA. From 01/05/2015 to present.
- Research activity with: Centre for Cardiovascular Science, University of Edinburgh. (Progetto finanziato: Investigation of the ability of gas-filled nano-bubbles to deliver hydrophobic and hydrophilic compounds to the brain by disruption of the blood brain barrier (BBB) using focused ultrasound presented by: Carmel M Moran). From 01/2/2015 to present.
- Research activity with: Department of Biology, Selçuk Üniversitesi Alaeddin Keykubat Yerleşkesi, Konya, Turkey. From 01/01/2016 to 01/01/2017.
- Research activity with: REQUIMTE/LAQV, Group of Pharmaceutical Technology, University of Coimbra, Coimbra, Portugal. From 01/01/2017 to present.
- Research activity with: Phospholipid Research Institute, Heidelberg, DE. Antitubercular drug-loaded multi-liposomes vectors as innovative combinatoria therapy for pulmonary tuberculosis. From 01/07/2017 to present.
- Research activity with: Institute of Pharmaceutical Science, King's College London, UK Professor Julie Tzu-Wen Wang. From 01/09/2017 to 1/9/2019.
- Research activity with: ESRF Grenoble Fr, Grenoble, 38043, France. Dott. Moeller, J. From 01/01/2018 to present.
- Research activity with: Laboratoire Charles Coulomb (CNRS) and University of Montpellier, France. Prof. D. Truzzolillo. "Role of drug-Lipid Interactions in Drug Leakage from Charged liposomal Vesicles: The Case of Isoniazid". From 01/01/2019 to present.
- Research activity with Prof. Cesar Antonio Viseras, Departamento de Farmacia y Tecnología Farmacéutica, Universidad de Granada: "hibryd drug delivery sytems preparation and characterization. From 1/3/2019 to present.

2009-to present: Collaboration with national group:

- <u>Research activity with: University of Catanzaro "Magna Græcia", Department of Health Sciences, Campus Universitario "S. Venuta"; IRC FSH-Interregional Research Center for Food Safety & Health; Department of Experimental and Clinical Medicine; Catanzaro, Italy.</u>
 Prof. M. Fresta, Prof. D. Paolino, Prof. C. Celia.
- <u>Research activity with: University "G. d'Annunzio", Department of Pharmacy, Chieti, Italy.</u> Prof. L. Di Marzio, Prof. C. Celia, Prof. S. Carradori, Prof. L. Menghini.
- <u>Research activity with: University of Salento, Department of Biological and Environmental Sciences</u> <u>and Technologies, Lecce, Italy.</u> Prof. L. Dini.

- <u>Research activity with: Liver Unit, IRCCS-Children's Hospital Bambino Gesù, Rome, Italy.</u> Dr. A. Masotti and Dr. B. Goffredo.
- <u>Research activity with: Istituto Superiore di Sanità (ISS), Department of Therapeutic Research and Medicine Evaluation; Department of Technologies and Health; Department of Food Safety and Veterinary Public Health; Rome, Italy.</u>
- Dr S. Pieretti, Dr. M.G. Ammendolia, Dr. M. Diociaiuti, Dr A. Sorbo., Dr. G. Mattia
 <u>Research activity with: University of Rome 'Tor Vergata, Department of Chemical Sciences and Technologies; Department of Biology, Rome, Italy.</u> Prof. M.L. Terranova, Prof. M. Fraziano.
- <u>Research activity with: University of Milan, Department of Medical Biotechnologies and</u> <u>Traslational Medicine, Milan, Italy.</u>
 Prof. E. Del Favero.
- <u>Research activity with: Consumers and Reference Materials, Consumer Products Safety Unit (F.2),</u> <u>European Commission, Directorate General Joint Research Centre Directorate F – Health, ISPRA,</u> <u>Varese, Italy.</u>
 - Prof. Francois Rossi, Prof. Jessica Ponti.
- <u>Research activity with: University of Pisa, Department of Chimica Bioorganica e Biofarmaceutica,</u> <u>Pisa, Italy.</u> Dr. D. Monti.
- Research activity with: CNR, Institute of Complex Systems ISC-CNR and Physics Department, University of Rome "Sapienza", Rome, Italy. Dr. S. Sennato..
- Research activity with: Dipartimento di Scienze di Base e Applicate per l'Ingegneria, Sapienza, Università di Roma.
 Prof. A. Bettucci, Dr A. Biagioni.
- <u>Research activity with: Department of Clinical Medicine and Surgery, University of Naples</u> <u>"Federico II", Naples, Italy-6Pathology Section, Department of Experimental Medicine, University of Perugia, Perugia, Italy.
 </u>

Prof. Giovanni Sarnelli, Prof. Angelo Sidoni.

2013- to present: Coordination of Ospedale Bambin Gesù di Roma/Istituto Italiano di Tecnologie/Sapienza Università di Roma research group;

2016 Partecipant of the research project commissioned by CNR on the study and finalizing of a method to characterize the interaction between different polyelectrolites and the biologic mud by a zeta potential analysis. (\notin 5000);

2015 Partecipant of the research project: "Lactoferrin-loaded niosomes in reducing inflammation and infection of cystic fibrosis airways". Fondazione Fibrosi Cistica (FFC#12/2015, € 39000);

2019- to present: Editorial Board Member of journal "Letters Drug Design & Discovery";

2019- to present: Guest Editor Pharmaceutics special issue: Up-to-Date Pharmaceutical Applications of Micro/Nanoemulsions;

2014-2019: IIT (Istituto Italiano di Tecnologia) collaborator, CLNS@SAPIENZA Roma:

- "Preparazione e caratterizzazione di sistemi vescicolari per il delivery cerebrale". Dal 01-10-2014 al 30-09-2017;
- "Ricerca, progettazione e sperimentazione di Drug delivery Systems (DDS) in grado di effettuare un rilascio mirato del farmaco nel sito d'azione". Dal 01-10-2017 al 30-09-2019.

Part VII - Research Activities

<u>Keywords</u>: Drug Delivery, Drug targeting, Nose to brain, Parental administration, Diagnostic, Theranostic, Liposomes, Niosomes, Nanobubbles, Nanoemulsions, Brain Delivery, Lung Delivery, Topical Delivery, Ocular delivery.

General description:

Dr. Rinaldi research activity is mainly focused on the study of phospholipid and non-phospholipid vesicles as drug delivery systems (soft nanocarriers). In particular she is involved in preparation and characterization of vesicles for cytoplasmic delivery of therapeutic agents (pH-sensitive niosomes) and for topic (various niosomal formulations), oral (coated liposomes), pulmonary (coated and uncoated niosomes) and brain (liposomes/niosomes) drugs delivery. Expert in preparation and characterization of O/W Nanoemulsions, W/O Nanoemulsions, nanobubbles and drug delivery systems useful in theragnostic field. Expert in physical chemical characterization of different nanocarriers in terms of hydrodynamic diameter, ζ-potential, polydispersity index, stability over time and stability in different media, entrapment efficiency, bilayer characteristics (fluorescence spectroscopy measurements), and release rate evaluation. Scientific production: author of about 36 international research papers (Scopus), 2 patents (Espacenet), 1 book chapters (Scopus), 1 Conference Proceedings (Scopus), 1 national research paper IRIS.

Particular Description:

Federica Rinaldi research activity is focused on the preparation and characterization of drug delivery systems based on surfactants or phospholipids. This activity is significantly represented by the 30 selected papers published in relevant Journals.

Federica Rinaldi mostly studies the possible application of niosomes, liposomes, nanobubbles and Oil/Water (0/W) nanoemulsions in drug delivery and targeting. In particular, surfactant vesicles acquired growing scientific attention as an alternative potential drug delivery system to conventional liposomes. These kinds of vesicles formed by surfactants are known as Niosomes or non-ionic surfactant vesicles (NSVs). NSVs are arisen from the self-assembly of non-ionic amphiphiles in aqueous media resulting in closed spheroidal structures. NSVs are analogous to liposomes, in fact the NSVs can be prepared following the same procedures, under a variety of conditions, leading to the formation of unilamellar or multilamellar vesicular structures. During her research activity, Dr Rinaldi, tooks advantage of the high versatility of vesicular systems and evaluated the possibility to change their physical chemical properties, for example employing different components or modifying their preparation method, in order to obtain a carrier useful to specific application/diseases/administration route. In fact, the physical-chemical characteristics influence the in vivo distribution and physiological behavior of the nanocarrier. Different stimuli, intrinsically characteristic of the pathological areas or of the target tissue, could modify the properties of the drug in nanocarrier system, thus providing enhanced/controlled drug release, improved cellular drug uptake, controlled intracellular drug fate. Typical stimuli in pathological tissues include pH and redox conditions. For example, intratumoral pH value in solid tumors may drop to 6.5, because of hypoxia and massive cell death inside the tumor and drops still further inside the cells, especially, within endosomes (5.5 and even below). pH-sensitivity was the first example of a stimulus-sensitivity used to appropriately modify drug/DDS behavior in the pathological areas with the decreased pH value or in the internalization pathway. For example, Dr. Rinaldi used pH-sensitive molecules/components (hemisuccinate-cholesterol/glycine derivatized Tween 20/Tween 21) to obtain and characterize pH-sensitive niosomes. To formulate nanocarriers for potential applications in brain drug delivery through intranasal route, Dr Rinaldi designed, prepared and characterized Span-20/ Tween 20-DCP non-ionic surfactant vesicles. In another research project, she prepared niosomes using two different surfactants (Tween 85 and Span 20) and cholesterol at various concentrations to investigate the potential application of NSVs for the delivery of ammonium glycyrrhizinate (AG), useful for the treatment of various inflammatory diseases. Tween 85 and Span 20 were selected to evaluate the effect of combining two surfactants with different characteristics; furthermore Tween 85 was chosen even because the oleic acid, present in this molecule, inhibits endothelial cell activation and reduces expression of inflammatory molecules. Dr Rinaldi has acquired the skills to characterize different vesicles formulation in terms of hydrodynamic diameter, ζ-potential, polydispersity index, stability over time, entrapment efficiency, bilayer characteristics (fluorescence spectroscopy measurements), and release rate evaluation. Moreover, she studied niosomes stability in Hepes buffer, mucin, boyine serum, or human serum, SIF (simulated intestinal fluid), SGF (simulated gastric fluid), aCSF (artificial cerebro spinal fluid) or cell culture media to assess or to predict their different use in biological compartments. Dr Rinaldi, thanks to the her collaboration with different research groups, evaluated vesicle morphology with different techniques: AFM, SAXS, TEM, SEM. In addition, Dr Rinaldi collaborated to evaluate the toxicological profile of different surfactant/niosome concentrations, for example on immortalized human keratinocyte cells (HaCaT) and on

immortalized mouse fibroblasts Balb/3T3. In some relevant research projects, the in vitro and in vivo efficacy of the niosomal formulations was further evaluated using cellular or animal models.

Dr Rinaldi is also highly involved in the study of innovative approaches to brain delivery of drugs. In particular, niosomes can be able to perform brain delivery, because of the presence of polysorbates, that can act as an anchor for apolipoprotein E from blood plasma. The obtained particles mimic LDL and can interact with the LDL receptor on blood brain barrier (BBB), leading to the endothelial cell uptake. Dr Rinaldi investigated also other two brain delivery strategies: the use of ultrasound to reversibly open BBB and the intranasal administration to bypass it. The nose to the brain administration route, is a non-invasive alternative for a quick onset of action and enables the transport of numerous medicinal agents straight bypassing BBB.

Actually, an alternative strategy to reach the brain is the temporary disruption of the BBB to enhance the possibility of the drug to reach the brain. The circulating nanobubbles (vesicular systems loaded with a gas as contrast agent) could be able to produce a temporary BBB opening through the widening of tight junctions and the activation of transcellular transport mechanisms, with little effect on the surrounding parenchyma. NBs, when exposed to ultrasound, are able to generate "cavitation", that leads to NBs growth and destruction. These events would be able to dig holes of about 300 nm on cell membranes with a short half-life. This phenomenon, known as "sonoporation", is useful to increase cell uptake of administered drugs or active compounds in general. Dr Rinaldi designed and prepared surfactant and phospholipid-based nanobubbles (NBs), filled with perfluorocarbon as contrast agent. The obtained NBs were highly stable and characterized by the presence of a quite flexible and resistant surfactant bilayer. The deep physical-chemical characterization of the different systems Dr Rinaldi carried out is obtained by combining results from complementary different techniques that can be combined or compared to address the overall nanobubbles properties. (patents:"Nanobolle e relativi impieghi", Nanobubbles and use thereof". WO2017/178954, PCT/IB2017/052060). Nanoemulsions (NEs) are submicron emulsions composed of generally recognized as safe (GRAS) grade excipients approved by the United States Food and Drug Administration (FDA) and with the possibility to use different oils that can modulate the drug activity. Dr Rinaldi prepared and characterized a functional O/W NEs composed by surfactant and different oil or essential oil: Neem oil, Thymus vulgaris and Syzygium aromaticum essential oils, Satureja montana L. essential oils, almond oil. The aim of Dr Rinaldi was to prepare NEs with the possibility of combining, the pharmacological properties of the oil with and those of the therapeutic agent targeted by NEs. Studied NEs were prepared and characterized for a topical or parenteral administration route. Dr. Rinaldi also prepared and characterized chitosan-coated NEs for nose to brain delivery. Chitosan, a biodegradable natural polymer, was reported to enhance both penetration and drug absorption through nasal mucosa and to delay mucociliary clearance. Chitosan is also well tolerated and has an excellent biocompatibility. Several studies confirm a chitosan double role, demonstrating that chitosan coated NEs had the highest flux and permeation across the nasal mucosa compared to uncoated NEs.

Part VIII - Funding Information [grants as PI-principal investigator or I-investigator]:

- <u>2009: "Vescicole fosfolipidiche e non fosfolipidiche da polisorbati commerciali e di sintesi:</u> <u>caratterizzazione e potenziali applicazioni nelle patologie del SNC". Codice: C26A09L28K.</u>
- <u>2010</u>: "Development of innovative magnetic multivectors for active targeting in tumor tissues". <u>Codice: C26A10SKLZ*.</u>
- <u>2012: "Antitubercolar drug-loaded chitosan- Niosomes (ChyNo) vectors as innovative inhalable</u> <u>drug-delivery systems for pulmonary tuberculosis". Codice: C26A12PZL3*.</u>
- <u>2013: "Lipid and surfactant coated nanobubbles for theranostic applications: preparation and acoustic characterization". Codice:C26A13LMAZ.</u>
- <u>2014: "Multifunctional "nanodroplets" (MNDs): preparation, acoustic characterization and potential</u> <u>applications". Codice: C26A144PJJ.</u>
- <u>2015: "A novel pharmacological approach to treat Parkinson's disease: a pre-clinical study on</u> <u>Pentasomes (pentamidine-niosome systems)</u>". Codice:C26M15SP9F*.
- <u>2019</u>: "Polymer or surfactant-based nanoencapsulation of cannabidiol and its new analogues: preparation, characterization and evaluation of antibacterial activity". Protocollo numero: <u>RG11916B84E5DC44*.</u>

* referee evaluation.

Product type	Number	Data Base		Start	End
Papers [international]	36	Scopus		2009	2020
Papers, international	32	Scopus		2012	2020
journals, in the last 8					
years, according to the					
requirements of the call					
Conference	1	Scopus		2012	2015
Proceedings					
Papers [national]	1	IRIS		2014	2014
Books [scientific]	1	1 chapter in book, Scopus		2013	2013
Patents	2	Espacenet		2016	2020
		r			
Index		Value	Data H	Base	
Total Impact factor°		118,141	InCites Journal Citation Reports		on Reports
Average impact factor ^o 3,		3,282	InCites Journal Citation Reports		on Reports
Total Impact factor ^{oo} 12		125,839	InCites Journal Citation Reports		on Reports
Average impact factor ^{oo} 3,		3,495 InCite		s Journal Citation Reports	
Total Citations 92		928	Scopus		
Average Citations per Product 24		24,42	Scopus		
Hirsch (H) index 18		18	Scopus		

Scopus

1,5 (2009-2020)

°calculated on the basis of the publication year

°° calculated on IF journal 2019-2020

Normalized H index*

*H index divided by the academic seniority.

Part X– Selected Publications 21-10-2020

List of the 30 publications selected, in the 2012-2020 period First name: 9 (<u>Rinaldi F.</u>) Last name: 1

1 2020 Review Giuli, M.V., Hanieh, P.N., Giuliani, E., Rinaldi, F., Marianecci, C., Screpanti, I., Checquolo, S., Carafa, M. (2020). Current trends in ATRA delivery for cancer therapy PHARMACEUTICS, ISSN: 19994923, doi: 10.3390/pharmaceutics12080707 Cited 0 times; Source: Scopus Journal IF 2020: 4.421 FILE NAME: Rinaldi_1

2 2020 Article

Rinaldi, F., Oliva, A., Sabatino, M., Imbriano, A., Hanieh, P.N., Garzoli, S., Mastroianni, C.M., De Angelis, M., Miele, M.C., Arnaut, M., Di Timoteo, F., Marianecci, C., Ragno, R., Carafa, M. (2020). Antimicrobial essential oil formulation: Chitosan coated nanoemulsions for nose to brain delivery. PHARMACEUTICS, ISSN: 19994923, doi: 10.3390/pharmaceutics12070678 Cited 0 times; Source: Scopus Journal IF 2020: 4.421 FILE NAME: Rinaldi 2 3 2020 Article Seguella, L., Rinaldi, F., Marianecci, C., Capuano, R., Pesce, M., Annunziata, G., Casano, F., Bassotti, G., Sidoni, A., Milone, M., Aprea, G., de Palma, G.D., Carafa, M., Pesce, M., Esposito, G. (2020). Pentamidine niosomes thwart S100B effects in human colon carcinoma biopsies favouring wtp53 rescue. JOURNAL OF CELLULAR AND MOLECULAR MEDICINE, ISSN: 15821838, doi: 10.1111/jcmm.14943 Cited 0 times; Source: Scopus Journal IF 2020: 4.486 FILE NAME: Rinaldi 3 4 2020 Article Rinaldi F, Hanieh, P.N., Imbriano, Passeri, D., Del Favero, E., Rossi, M., Marianecci, C., De Panfilis, S., Carafa, M. (2020). Different instrumental approaches to understand the chitosan coated niosomes/mucin interaction. JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, ISSN: 1773-2247, doi:10.1016/j.jddst.2019.101339 Cited times:2 Source: Scopus Journal IF 2020: 2.734 FILE NAME: Rinaldi 4 5 2020 Article Maccelli A, Vitanza L, Imbriano A, Fraschetti C, Filippi A, Goldoni P, Maurizi L, Ammendolia MG, Crestoni ME, Fornarini S, Menghini, Carafa M, Marianecci C, Longhi C, Rinaldi F (2020). Satureja montana l. Essential oils: Chemical profiles/phytochemical screening, antimicrobial activity and o/w nanoemulsion formulations. PHARMACEUTICS, ISSN: 1999-4923, doi:10.3390/pharmaceutics12010007 Cited times: 4 Source: Scopus Journal IF 2020: 4.421 FILE NAME: Rinaldi 5 6 2019 Article Rinaldi F, Del Favero, E., Moeller, J., Hanieh, P.N., Passeri, D., Rossi, M., Angeloni, L., Venditti, I, Marianecci, C., Carafa, M, Fratoddi, I. (2019). Hydrophilic silver nanoparticles loaded into niosomes: Physical-chemical characterization in view of biological applications. NANOMATERIALS, ISSN: 2079-4991, doi:10.3390/nano9081177 Cited times:7

Source: Scopus Journal IF 2020: 4.324 Journal IF 2019: 4.324 FILE NAME: Rinaldi_6

7

2019
Article
Marzoli, F., Marianecci, Rinaldi F, Passeri, Rossi, M., Minosi, P., Carafa, M., Pieretti, S. (2019).
Long-lasting, antinociceptive effects of pH-sensitive niosomes loaded with ibuprofen in acute and chronic models of pain.
PHARMACEUTICS, ISSN: 1999-4923, doi:10.3390/pharmaceutics11020062
Cited times:5
Source: Scopus
Journal IF 2020: 4.421 Journal IF 2019: 4.421
FILE NAME: Rinaldi 7

8

2019 Article <u>Rinaldi F.</u>, Seguella L., Gigli S., Hanieh P.N., Del Favero E., Cantù L., Pesce M., Sarnelli G., Marianecci C., Esposito G., Carafa M. (2019). inPentasomes: an innovative nose-to-brain pentamidine delivery blunts MPTP parkinsonism in mice. JOURNAL OF CONTROLLED RELEASE, ISSN: 0168-3659, doi:10.1016/j.jconrel.2018.12.007 Cited times: 9 Source: Scopus Journal IF 2020: 4.727 Journal IF 2019: 4.727 FILE NAME: Rinaldi_8

9

2019

Article
Vitanza L., Maccelli A., Marazzato M., Scazzocchio F., Comanducci A., Fornarini S., Crestoni M. E., Filippi A., Fraschetti C., Rinaldi F, Aleandri M., Goldoni P., Conte M. P., Ammendolia M. G., Longhi C. (2019).
Satureja montana L. essential oil and its antimicrobial activity alone or in combination with gentamicin.
MICROBIAL PATHOGENESIS, ISSN: 0882-4010, doi:10.1016/j.micpath.2018.11.025
Cited times:5
Source: Scopus
Journal IF 2020: 2.914 Journal IF 2019: 2.914
FILE NAME: Rinaldi_9
10
2018
Article
<u>Rinaldi F., Hanieh, P.N., Chan, L.K.N., Angeloni, L., Passeri, D., Rossi, M., Wang, J.T.-W. Imbriano, A., Carafa, M., Marianecci, C. (2018).</u>
Chitosan Glutamate-Coated Niosomes: A Proposal for Nose-to-Brain Delivery.

PHARMACEUTICS, ISSN: 1999-4923, doi:10.3390/pharmaceutics10020038

Cited times: 21

Source: Scopus

Journal IF 2020: 4.421 Journal IF 2018: 4.421

FILE NAME: Rinaldi_10

11 2018 Article

Rinaldi F., Hanieh, P.N., Del Favero, E., Rondelli, V., Brocca, P., Pereira, M.C., Andreev, O.A., Reshetnyak, Y.K., Marianecci, C., Carafa, M. (2018). Decoration of Nanovesicles with pH (Low) Insertion Peptide (pHLIP) for Targeted Delivery. NANOSCALE RESEARCH LETTERS, ISSN: 1931-7573, doi:10.1186/s11671-018-2807-8 Cited times:5 Source: Scopus Journal IF 2020: 3.581 Journal IF 2018: 3.159 FILE NAME: Rinaldi 11 12 2017 Review Marianecci, C., Rinaldi, F., Hanieh, P.N., Di Marzio, L., Paolino, D., Carafa, M. (2017). Drug delivery in overcoming the blood-brain barrier: Role of nasal mucosal grafting. DRUG DESIGN, DEVELOPMENT AND THERAPY, ISSN: 1177-8881, doi:0.2147/DDDT.S100075 Cited times:17 Source: Scopus Journal IF 2020: 3.216 Journal IF 2017: 2.935 FILE NAME: Rinaldi 12 13 2017 Article Rinaldi, F., Del Favero, E., Rondelli, V., Pieretti, S., Bogni, A., Ponti, J., Rossi, F., Di Marzio, L., Paolino, D., Marianecci, C., Carafa, M. (2017). pH-sensitive niosomes: Effects on cytotoxicity and on inflammation and pain in murine models. JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol. 32, p. 538-546, ISSN: 1475-6366, doi:10.1080/14756366.2016.1268607 Cited times:11 Source: Scopus Journal IF 2020: 4.673 Journal IF 2017: 3.638 FILE NAME: Rinaldi 13 14 2017 Article Rinaldi, F., Hanieh, P.N., Longhi, C., Carradori, S., Secci, D., Zengin, G., Ammendolia, M.G., Mattia, E., Del Favero, E., Marianecci, C., Carafa, M. (2017). Neem oil nanoemulsions: characterisation and antioxidant activity. JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol. 32, p. 1265-1273, ISSN: 1475-6366, doi:10.1080/14756366.2017.1378190 Cited times: 18 Source: Scopus Journal IF 2020: 4.673 Journal IF 2017: 3.638 FILE NAME: Rinaldi 14 15 2017 Article Scazzocchio, F., Mondì, L., Ammendolia, M.G., Goldoni, P., Comanducci, A., Marazzato, M., Conte, M.P., Rinaldi, F., Crestoni, M.E., Fraschetti, C., Longhi, C.) (2017). Coriander (Coriandrum sativum) Essential Oil: Effect on Multidrug Resistant Uropathogenic Escherichia coli. NATURAL PRODUCT COMMUNICATIONS, ISSN: 1555-9475, doi:10.1177/1934578x1701200438 Cited times: 3 Source: Scopus

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