

CURRICULUM VITAE di:

Nominativo	Christian Celia
-------------------	-----------------

Posizione accademica

Macrosettore:	03/D Farmaceutico, Tecnologico, Alimentare
Settore Concorsuale:	03/D2 Tecnologia, socioeconomia e normativa dei medicinali
Settore Scientifico Disciplinare:	CHIM/09 Farmaceutico tecnologico applicativo
Qualifica:	Professore associato
Anzianità nel ruolo:	6
Sede Universitaria:	Università degli Studi "G. d'Annunzio" Chieti – Pescara
Struttura di afferenza (dipartimento o altro)	Dipartimento Farmacia

Posizioni ricoperte precedentemente nel medesimo ateneo o in altri

Periodo	Fascia	Ateneo
2012 – 2017	Ricercatore universitario	Università degli Studi "G. d'Annunzio" Chieti – Pescara

Pubblicazioni Scientifiche

n. progr.	anno	Descrizione pubblicazione
1.		Paolino D. Muzzalupo R. Ricciardi A. Celia C. Picci N. Fresta M. <i>In vitro</i> and <i>in vivo</i> evaluation of bola-surfactant containing niosomes for transdermal delivery. Biomedical Microdevices 2007;9(4):421-433. ISSN: 1387-2176 (Print); ISSN: 1572-8781 (Online); DOI: 10.1007/s10544-007-9046-6. Cod. Scopus: 2-s2.0-34548597147. Cod. WOS: 000248007500001.
2.		Calvagno M.G. Celia C. Paolino D. Cosco D. Iannone M. Castelli F. Doldo P. Fresta M. Effect of lipid composition and preparation conditions on physical-chemical properties, technological parameters and in vitro biological

activity of gemcitabine-loaded liposomes. *Current Drug Delivery* 2007;4(1):89-101. ISSN: 1567-2018 (Print); ISSN: 1875-5704 (Online); DOI: 10.2174/15672010779314749. Cod. Scopus: 2-s2.0-33846061242.

3. **Celia C.** Calvagno M.G. Paolino D. Bulotta S. Ventura C.A. Russo D. Fresta M. Improved in vitro anti-tumoral activity, intracellular uptake and apoptotic induction of gemcitabine-loaded pegylated unilamellar liposomes. *Journal of Nanoscience and Nanotechnology* 2008;8(4):2102-2113. ISSN: 1533-4880 (Print); ISSN: 1533-4899 (Online); DOI: 10.1166/jnn.2008.065. Cod. Scopus: 2-s2.0-44449096844. Cod. WOS: 000262668300009.

4. **Celia C.** Malara N. Terracciano R. Cosco D. Paolino D. Fresta M. Savino R. Liposomal delivery improves the growth inhibitory and apoptotic activity of low doses of gemcitabine in multiple myeloma cancer cells. *Nanomedicine: Nanotechnology, Biology and Medicine* 2008;4(2):155-166. ISSN: 1549-9634 (Print); DOI: 10.1016/j.nano.2008.02.003. Cod. Scopus: 2-s2.0-44449119317. Cod. WOS: 000262668300009.

5. Cosco D. **Celia C.** Cilurzo F. Trapasso E. Paolino D. Colloidal carriers for the enhanced delivery through the skin. *Expert Opinion on Drug Delivery* 2008;5(7):737-755. ISSN: 1742-5247 (Print); ISSN: 1744-7593 (Online); DOI: 10.1517/17425247.5.7.737. Cod. Scopus: 2-s2.0-48449105065. Cod. WOS: 000259741400002.

6. Cosco D. Bulotta A. Ventura M. **Celia C.** Calmieri T. Perri G. Paolino D. Costa N. Neri P. Tagliaferri P. Tassone P. Fresta M. In vivo activity of gemcitabine-loaded pegylated small unilamellar liposomes against pancreatic cancer. *Cancer Chemotherapy and Pharmacology* 2009;64(5):1009-1020. ISSN: 0344-5704 (Print); ISSN: 1432-0843 (Online); DOI: 10.1007/s00280-009-0957-1. Cod. Scopus: 2-s2.0-69049106405. Cod. WOS: 000269076700018.

7. Trapasso E. Cosco D. **Celia C.** Fresta M. Paolino D. Retinoids: new use by innovative drug delivery systems. *Expert Opinion Drug Delivery* 2009;6(5):465-483. ISSN: 1742-5247 (Print); ISSN: 1744-7593 (Online); DOI: 10.1517/17425240902832827. Cod. Scopus: 2-s2.0-67649133143. Cod. WOS: 000266280800002.

8. **Celia C.** Trapasso E. Cosco D. Paolino D. Fresta M. Turbiscan Lab® Expert analysis of the stability of ethosomes® and ultradeformable liposomes containing a bilayer fluidizing agent. *Colloids and Surface B: Biointerfaces* 2009;72(1):155-160. ISSN: 0927-7765; DOI: 10.1016/j.colsurfb.2009.03.007. Cod. Scopus: 2-s2.0-67349274680. Cod. WOS: 000267633800022.

9. Cosco D. Paolino D. Muzzalupo R. **Celia C.** Citraro R. Caponio D. Picci N. Fresta M. Novel PEG-coated niosomes based on bola-surfactant as drug carriers for 5-fluorouracil. *Biomedical Microdevices* 2009;11(5):1115-1125. ISSN: 1387-2176 (Print); ISSN: 1572-8781 (Online); DOI: 10.1007/s10544-009-9328-2. Cod. Scopus: 2-s2.0-67349274680. Cod. WOS: 000267633800022.

10. Tudose A. **Celia C.** Cardamone F. Vono M. Molinaro M. Paolino D. Regenerative properties of aloe vera juice on human keratinocyte cell culture. *Farmacia* 2009;57(5):590-597. ISSN: 0014-8237 (Print); ISSN: 2065-0019 (Online). Cod. Scopus: 2-s2.0-73349141122. Cod. WOS: 000271146000008.

11. **Celia C.** Cosco D. Paolino D. Fresta M. Nanoparticulate Devices for Brain Drug Delivery. *Medicinal Research Reviews* 2011; 31(5):716-756. ISSN: 0198-6325 (Print); ISSN: 1098-1128 (Online); DOI: 10.1002/med.20201. Cod. Scopus: 2-s2.0-80051977273. Cod. WOS: 000294400900002.

12. Iannone M. Cosco D. Cilurzo F. **Celia C.** Paolino D. Mollace V. Rotiroti D. Fresta M. A novel animal model to evaluate the ability of a drug delivery system to promote the passage through the BBB. *Neuroscience Letters* 2010;469(1):93-96. ISSN: 0304-3940 (Print); DOI: 10.1016/j.neulet.2009.11.051. Cod. Scopus: 2-s2.0-72749112539. Cod. WOS: 000274565500020.

13. Paolino D. Cosco D. Racanicchi L. Trapasso E. **Celia C.** Iannone M. Puxeddu E. Costante G. Filetti S. Russo D. Fresta M. Gemcitabine-loaded PEGylated unilamellar liposomes vs GEMZAR®: biodistribution, pharmacokinetic features and in vivo antitumor activity. *Journal of Controlled Release* 2010;144(2):144-150. ISSN: 0168-3659 (Print); DOI: 10.1016/j.jconrel.2010.02.021. Cod. Scopus: 2-s2.0-77952670492. Cod. WOS: 000278652800005.

14. Licciardi M. Paolino D. **Celia C.** Giammona G. Cavallaro G. Fresta M. Folate-targeted supramolecular vesicular aggregates based on polyaspartylhydrazide copolymers for the selective delivery of antitumoral drugs. *Biomaterials* 2010;31(28):7340-7354. ISSN: 0142-9612 (Print); DOI: 10.1016/j.biomaterials.2010.05.060. Cod. Scopus: 2-s2.0-77955279339. Cod. WOS: 000281183000014
15. Marianecci C. Paolino D. **Celia C.** Fresta M. Carafa M. Alhaique F. Non-ionic surfactant vesicles in pulmonary glucocorticoid delivery: characterization and interaction with human lung fibroblasts. *Journal Controlled Release* 2010;147(1):127-135. ISSN: 0168-3659 (Print); DOI: 10.1016/j.jconrel.2010.06.022. Cod. Scopus: 2-s2.0-79953692747. Cod. WOS: 000282903700017.
16. Vono M. Cosco D. **Celia C.** Paolino D. Celano M. Russo D. Fresta M. *In vitro* evaluation of the activity of gemcitabine-loaded pegylated unilamellar liposomes against papillary thyroid cancer cells. *The Open Drug Delivery Journal* 2010;4(8):55-62. ISSN: 1874-1266 (Print); DOI: 10.2174/1874126601004010055. Cod. Scopus: 2-s2.0-78349253860.
17. Paolino D, Cosco D, Molinaro R, **Celia C.** Fresta M. Supramolecular devices to improve the treatment of brain diseases. *Drug Discovery Today* 2011; 16(7-8):311-324. ISSN: 1359-6446 (Print); DOI: 10.1016/j.drudis.2011.02.006. Cod. Scopus: 2-s2.0-79953675986. Cod. WOS: 000290084100006.
18. Procopio A. **Celia C.** Nardi M. Oliverio M. Paolino D. Sindona G. Lipophilic hydroxytyrosol esters: fatty acid conjugates for potential topical administration. *Journal of Natural Products* 2011;74(11):2377-2381. ISSN: 0163-3864 (Print); ISSN: 1520-6025 (Online); DOI: 10.1021/np200405s. Cod. Scopus: 2-s2.0-82355187634. Cod. WOS: 000297274900008.
19. **Celia C.** Cosco D. Paolino D. Fresta M. Gemcitabine-loaded innovative nanocarriers vs GEMZAR®: biodistribution, pharmacokinetic features and in vivo antitumor activity. *Expert Opinion on Drug Delivery* 2011;8(12):1609-1629. ISSN: 1742-5247 (Print); ISSN: 1744-7593 (Online); DOI: 10.1517/17425247.2011.632630. Cod. Scopus: 2-s2.0-81855228063. Cod. WOS: 000297224500006.
20. Chessa M. Manconi M. Caddeo C. **Celia C.** Lampis S. Sinico C. Fadda A.M. Penetration enhancer containing vesicles (PEVS) for dermal delivery of lidocaine. *European Journal Pharmaceutical Science* 2011;1(1):42-43; Proceeding Paper 4th BBBB International Conference on Pharmaceutical Sciences, September 29 – October 1, 2011/Bled – Slovenia.
21. **Celia C.** Cilurzo F. Trapasso E. Cosco D. Fresta M. Paolino D. Ethosomes® and transfersomes® containing linoleic acid: physicochemical and technological features of topical drug delivery carriers for the potential treatment of melasma disorders. *Biomedical Microdevices* 2012;14(1):119-130. ISSN: 1387-2176 (Print); ISSN: 1572-8781 (Online); DOI: 10.1007/s10544-011-9590-y. Cod. Scopus: 2-s2.0-84857789742. Cod. WOS: 000300851600011.
22. Paolino D. **Celia C.** Trapasso E. Cilurzo F. Fresta M. Paclitaxel-loaded ethosomes®: potential treatment of squamous cell carcinoma, a malignant transformation of actinic keratoses. *European Journal of Pharmaceutics and Biopharmaceutics*. 2012;81(1):102-112. ISSN: 0939-6411; DOI: 10.1016/j.ejpb.2012.02.008. Cod. Scopus: 2-s2.0-84861099287. Cod. WOS: 000304730700012.
23. Paolino D. Cosco D. Cilurzo F. Trapasso E. Morittu M.V. **Celia C.** Fresta M. Improved in vitro and in vivo collagen biosynthesis by asiaticoside-loaded ultradeformable vesicles. *Journal of Controlled Release*. 2012;162(1):143-151. ISSN: 0168-3659 (Print); DOI: 10.1016/j.jconrel.2012.05.050. Cod. Scopus: 2-s2.0-84864711867. Cod. WOS: 000307769200017.
24. Paolino D. Licciardi M. **Celia C.** Giammona G. Fresta M. Cavallaro G. Folate - targeted supramolecular vesicular aggregates as a new frontier for effective anticancer treatment in "in vivo" model. *European Journal of*

Pharmaceutics and Biopharmaceutics. 2012;82(1):94-102. ISSN: 0939-6411; DOI: 10.1016/j.ejpb.2012.06.001. Cod. Scopus: 2-s2.0-84866035643. Cod. WOS: 000309627200011.

25. Marianecci C. Rinaldi F. Di Marzio L. Pozzi D. Caracciolo G. Manno D. Dini L. Paolino D. **Celia C.** Carafa M. Interaction of pH-sensitive non-phospholipid liposomes with cellular mimetic membranes. *Biomedical Microdevices*. 2013;15(2):299-309. ISSN: 1387-2176 (Print); ISSN: 1572-8781 (Online); DOI: 10.1007/s10544-012-9731-y. Cod. Scopus: 2-s2.0-84879685455. Cod. WOS: 000316201300010.

26. Bansal S.S. **Celia C.** Ferrati S. Zabre E. Ferrari M. Palapattu G. Grattoni A. Validated RP-HPLC Method for the Simultaneous Analysis of Gemcitabine and LY-364947 in Liposomal Formulations. *Current Drug Targets*. 2013;14(9):1061-1069. ISSN: 1389-4501 (Print); ISSN: 1873-5592 (Online); DOI: 10.2174/13894501113149990165. Cod. Scopus: 2-s2.0-84881328726. Cod. WOS: 000321338500014.

27. Sarpietro M.G. Accolla M.L. **Celia C.** Grattoni A. Castelli F. Fresta M. Ferrari M. Paolino D. Differential Scanning Calorimetry as a Tool to Investigate the Transfer of Anticancer Drugs to Biomembrane Model. *Current Drug Targets*. 2013;14(9):1053-1056. ISSN: 1389-4501 (Print); ISSN: 1873-5592 (Online); DOI: 10.2174/1389450111314090013. Cod. Scopus: 2-s2.0-84881327986. Cod. WOS: 000321338500013.

28. Molinaro R. Wolfram J. Federico C. Cilurzo F. Di Marzio L. Ventura C.A. Carafa M. **Celia C.** Fresta M. Polyethylenimine and chitosan carriers for the delivery of RNA interference effectors. *Expert Opinion on Drug Delivery*. 2013;10(12):1653-1668. ISSN: 1742-5247 (Print); ISSN: 1744-7593 (Online); DOI: 10.1517/17425247.2013.840286. Cod. Scopus: 2-s2.0-84889017894. Cod. WOS: 000327503200006.

29. **Celia C.** Trapasso E. Locatelli M. Navarra M. Ventura C.A. Wolfram J. Carafa M. Morittu V.M. Britti D. Di Marzio L. Paolino D. Anticancer activity of liposomal bergamot essential oil (BEO) on human neuroblastoma cells. *Colloids and Surfaces B Biointerfaces*. 2013;112:548-553. ISSN: 0927-7765; DOI: 10.1016/j.colsurfb.2013.09.017. Cod. Scopus: 2-s2.0-84887017025. Cod. WOS: 000328593100079.

30. Gentile E. Cilurzo F. Di Marzio L. Carafa M. Ventura C.A. Wolfram J. Paolino D. **Celia C.** Liposomal chemotherapeutics. *Future Oncology*. 2013;9(12):1849-1859. ISSN: 1479-6694 (Print); DOI: 10.2217/FON.13.146. Cod. Scopus: 2-s2.0-84893828118. Cod. WOS: 000339622900012.

31. **Celia C.** Ferrati S. Bansal S. van de Ven A.L. Ruozzi B. Zabre E. Hosali S. Paolino D. Sarpietro M.G. Fine D. Fresta M. Ferrari M. Grattoni A. Sustained Zero-Order Release of Intact Ultra-Stable Drug-Loaded Liposomes from an Implantable Nanochannel Delivery System. *Advanced Healthcare Materials*. 2014;3(2):230-238. ISSN: 2192-2640 (Print); ISSN: 2192-2659 (Online); DOI: 10.1002/adhm.201300188. Cod. Scopus: 2-s2.0-84893460880. Cod. WOS: 000331949000009.

32. Wolfram J. Suri K. Yang Y. Shen J. **Celia C.** Fresta M. Zhao Y. Shen H. Ferrari M. Shrinkage of pegylated and non-pegylated liposomes in serum. *Colloids and Surfaces B Biointerfaces*. 2014;114:294-300. ISSN: 0927-7765 (Print); DOI: 10.1016/j.colsurfb.2013.10.009. Cod. Scopus: 2-s2.0-84887345045. Cod. WOS: 000331596100039.

33. Marianecci C. Rinaldi F. Di Marzio L. Mastriota M. Pieretti S. **Celia C.** Paolino D. Iannone M. Fresta M. Carafa M. Ammonium glycyrrhizinate-loaded niosomes as a potential nanotherapeutic system for anti-inflammatory activity in murine models. *International Journal of Nanomedicine*. 2014;9:635-51. ISSN: 1176-9114 (Print); ISSN: 1178-2013 (Online); DOI: 10.2147/IJN.S55066. Cod. Scopus: 2-s2.0-84893447134. Cod. WOS: 000330170200001.

34. Marianecci C. Di Marzio L. Rinaldi F. **Celia C.** Paolino D. Alhaique F. Esposito S. Carafa M. Niosomes from 80s to present: The state of the art. *Advances in Colloid and Interface Science*. 2014;205:187-206. ISSN: 0001-8686 (Print); DOI: 10.1016/j.cis.2013.11.018. Cod. Scopus: 2-s2.0-84903362240. Cod. WOS: 000333780600014.

35. Wolfram J. Suri K. Huang Y. Molinaro R. Borsoi C. Scott B. Boom K. Paolino D. Fresta M. Wang J. Ferrari M. **Celia C.** Shen H. Evaluation of anticancer activity of celastrol liposomes in prostate cancer cells. *Journal of*

Microencapsulation. 2014;31(5):501-507. ISSN: 0265-2048 (Print); ISSN: 1464-5246 (Online); DOI: 10.3109/02652048.2013.879932. Cod. Scopus: 2-s2.0-84904445281. Cod. WOS: 000340892100010.

36. Brown B.S. Patanam T. Mobli K. **Celia C.** Zage P.E. Bean A.J. Tasciotti E. Etoposide-loaded immunoliposomes as active targeting agents for GD2-positive malignancies. *Cancer Biology and Therapy*. 2014;15(7):851-61. ISSN: 1538-4047 (Print); ISSN: 1555-8576 (Online); DOI: 10.4161/cbt.28875. Cod. Scopus: 2-s2.0-84903852303. Cod. WOS: 000338112900005.

37. Paolino D. Cosco D. Gaspari M. Celano M. Wolfram J. Voce P. Puxeddu E. Filetti S. **Celia C.** Ferrari M. Russo D. Fresta M. Targeting the thyroid gland with thyroid-stimulating hormone (TSH)-nanoliposomes. *Biomaterials*. 2014;35(25):7101-7109. ISSN: 0142-9612; DOI: 10.1016/j.biomaterials.2014.04.088. Cod. Scopus: 2-s2.0-84902074236. Cod. WOS: 000338386800041.

38. Cosco D. Di Marzio L. Marianecchi C. Trapasso E. Paolino D. **Celia C.** Carafa M. Fresta M. Colloidal supramolecular aggregates for therapeutic application in neuromedicine. *Current Medicinal Chemistry*. 2014;21(36):4132-4153. ISSN: 0929-8673 (Print); ISSN: 1875-533X (Online); DOI: 10.2174/0929867321666140826113933. Cod. Scopus: 2-s2.0-84926500667. Cod. WOS: 000343988700004.

39. Tudose A. **Celia C.** Belu I. Borisova S. Paolino D. Effect of three monoglyceride based cubosomes systems on the viability of human keratinocytes. *Farmacia*. 2014;62(4):777-790. ISSN: 0014-8237 (Print); ISSN: 2065-0019 (Online). Cod. Scopus: 2-s2.0-84905241167. Cod. WOS: 000339931700018.

40. Primavera R. Barbacane R.C. Congia M. Locatelli M. **Celia C.*** Laser diffraction and light scattering techniques for the analysis of food matrices. *Advances in Food Safety and Health*. 2014;6(1):40-60. ISSN: 2409-0190 (Print).

41. Caddeo C. Manconi M. Sinico C. Valenti D. **Celia C.** Monduzzi M. Fadda A.M. Penetration Enhancer-Containing Vesicles: Does the Penetration Enhancer Structure Affect Topical Drug Delivery? *Current Drug Targets*. 2015;1389-4501/14. ISSN: 1389-4501 (Print); ISSN: 1873-5592 (Online); DOI: 1389-4501/14. Cod. Scopus: 2-s2.0-84946401970. Cod. WOS: 000364522400004.

42. **Celia C.** Locatelli M. Cilurzo F. Cosco D. Gentile E. Scalise D. Carafa M. Ventura C.A. Fleury M. Tisserand C. Barbacane R.C. Fresta M. Di Marzio L. Paolino D. Long Term Stability Evaluation of Prostacyclin Released from Biomedical Device through Turbiscan Lab Expert. *Medicinal Chemistry*. 2015;11(4):391-399. ISSN: 1573-4064 (Print); ISSN: 1875-6638 (Online); DOI: 1875-6638/15. Cod. Scopus: 2-s2.0-84930648447. Cod. WOS: 000353975600009.

43. Paolino D. Licciardi M. **Celia C.** Giammona G. Fresta M. Cavallaro G. Bisphosphonate-polyaspartamide conjugates as bone targeted drug delivery systems. *Journal of Materials Chemistry B*. 2015;3(2):250-259. ISSN 2050-7518 (Print); ISSN: 2050-7518 (Online); DOI: 10.1039/c4tb00955j. Cod. Scopus: 2-s2.0-84916927893.

44. Cosco D. Paolino D. De Angelis F. Cilurzo F. **Celia C.** Di Marzio L. Russo D. Tsapis N. Fattal E. Fresta M. Aqueous-core PEG-coated PLA nanocapsules for an efficient entrapment of water soluble anticancer drugs and smart therapeutic response. *European Journal of Pharmaceutics and Biopharmaceutics*. 2015;89:30-9. ISSN: 0939-6411 (Print); DOI: 10.1016/j.ejpb.2014.11.012. Cod. Scopus: 2-s2.0-84916212743. Cod. WOS: 000351557700004.

45. Pasut G. Paolino D. **Celia C.** Mero A. Joseph A.S. Wolfram J. Cosco D. Schiavon O. Shen H. Fresta M. Polyethylene glycol (PEG)-dendron phospholipids as innovative constructs for the preparation of super stealth liposomes for anticancer therapy. *Journal of Controlled Release*. 2015;199:106-113. ISSN: 0168-3659 (Print); DOI: 10.1016/j.jconrel.2014.12.008. Cod. Scopus: 2-s2.0-84919608239. Cod. WOS: 000348456800012.

46. Locatelli M. Cifelli R. Di Legge C. Barbacane R.C. Costa N. Fresta M. **Celia C.** Capolupo C. Di Marzio L. Simultaneous determination of eperisone hydrochloride and paracetamol in mouse plasma by high performance liquid chromatography-photodiode array detector. *Journal of Chromatography A*. 2015;1388:79-86. ISSN: 0021-9673 (Print); DOI: 10.1016/j.chroma.2015.02.008. Cod. Scopus: 2-s2.0-84924325421. Cod. WOS: 000351792400010.

47. Kirui D.K. **Celia C.** Molinaro R. Bansal S.S. Cosco D. Fresta M. Shen H. Ferrari M. Mild hyperthermia enhances transport of liposomal gemcitabine and improves in vivo therapeutic response. *Advanced Healthcare Materials*. 2015;4(7):1092-1103; ISSN: 2192-2640 (Print); ISSN: 2192-2659 (Online); DOI: 10.1002/adhm.201400738. Cod. Scopus: 2-s2.0-84929519770. Cod. WOS: 000354481100016.
48. Grande R. Di Marcantonio M.C. Robuffo I. Pompilio A. **Celia C.** Di Marzio L. Paolino D. Codagnone M. Muraro R. Stoodley P. Hall-Stoodley L. Mincione G. *Helicobacter pylori* ATCC 43629/NCTC 11639 Outer Membrane Vesicles (OMVs) from Biofilm and Planktonic Phase Associated with Extracellular DNA (eDNA). *Frontiers in Microbiology*. 2015;6:1369. ISSN: 1664-302X; DOI: 10.3389/fmicb.2015.01369. Cod. Scopus: 2-s2.0-84954133873. Cod. WOS: 000366986700001.
49. **Celia C.** Editorial: Supramolecular Systems in Nanomedicines: Therapeutic Applications and Future Perspectives - Part I. *Current Drug Targets*. 2015;16(13):1406. ISSN: 13894501. Cod. Scopus: 2-s2.0-84946415518. Cod. WOS: 000364522400001.
50. **Celia C.** Editorial (Thematic Issue: Supramolecular Systems in Nanomedicines: Therapeutic Applications and Future Perspectives - Part II). *Current Drug Targets*. 2015;16(14):1564. Cod. Scopus: 2-s2.0-84951870494. Cod. WOS: 000365624900001.
51. Locatelli M. Ciavarella M.T. Paolino D. **Celia C.** Fiscarelli E. Ricciotti G. Pompilio A. Di Bonaventura G. Grande R. Zengin G. Di Marzio L. Determination of ciprofloxacin and levofloxacin in human sputum collected from cystic fibrosis patients using microextraction by packed sorbent-high performance liquid chromatography photodiode array detector. *Journal of Chromatography A*. 2015;1419:58-66. ISSN: 0021-9673; DOI: 10.1016/j.chroma.2015.09.075. Cod. Scopus: 2-s2.0-84955668760. Cod. WOS: 000363826600007.
52. Primavera R. Di Francesco M. De Cola A. De Laurenzi V. Paolino D. Ciancaioni M. Carafa M. **Celia C.** Di Ilio C. Di Stefano A. Fresta M. Locatelli M. Di Marzio L. HPLC-FLD and spectrofluorometer apparatus: How to best detect fluorescent probe-loaded niosomes in biological samples. *Colloids Surface B Biointerfaces*. 2015;135:575-80. ISSN: 0927-7765; DOI: 10.1016/j.colsurfb.2015.08.006. Cod. Scopus: 2-s2.0-84940042755. Cod. WOS: 000367410200070.
53. Scavo M.P. Gentile E. Wolfram J. Gu J. Barone M. Evangelopoulos M. Martinez J.O. Liu X. **Celia C.** Tasciotti E. Vilar E. Shen H. Multistage vector delivery of sulindac and silymarin for prevention of colon cancer. *Colloids Surface B Biointerfaces*. 2015;136:694-703. ISSN: 0927-7765; DOI: 10.1016/j.colsurfb.2015.10.005. Cod. Scopus: 2-s2.0-84945130583. Cod. WOS: 000367408100085.
54. Licciardi M. Paolino D. Mauro N. Cosco D. Giammona G. Fresta M. Cavallaro G. **Celia C.*** Cationic Supramolecular Vesicular Aggregates for Pulmonary Tissue Selective Delivery in Anticancer Therapy. *ChemistryMedicinalChemistry*. 2016;11(16):1734-44. ISSN: 1860-7187; DOI: 10.1002/cmdc.201600070. Cod. Scopus: 2-s2.0-84983362315. Cod. WOS: 000383579700009.
55. Marianecchi C. Di Marzio L. Del Favero E. Cantù L. Brocca P. Rondelli V. Rinaldi F. Dini L. Serra A. Decuzzi P. **Celia C.** Paolino D. Fresta M. Carafa M. Niosomes as Drug Nanovectors: Multiscale pH-Dependent Structural Response. *Langmuir*. 2016;32(5):1241-9. ISSN: 0743-7463 (Print); ISSN: 1520-5827 (Online); DOI: 10.1021/acs.langmuir.5b04111. Cod. Scopus: 2-s2.0-84957927061. Cod. WOS: 000370115300007.
56. Di Marzio L. Ventura C.A. Cosco D. Paolino D. Di Stefano A. Stancanelli R. Tommasini S. Cannavà C. **Celia C.** Fresta M. Nanotherapeutics for anti-inflammatory delivery. *Journal of Drug Delivery Science and Technology*. 2016;32:174-191. ISSN: 1773-2247; DOI: 10.1016/j.jddst.2015.10.011. Cod. Scopus: 2-s2.0-84961620104. Cod. WOS: 000374366000011.

57. Wolfram J. Scott B. Boom K. Shen J. Borsoi C. Suri K. Grande R. Fresta M. **Celia C.** Zhao Y. Shen H. Ferrari M. Hesperetin liposomes for cancer therapy. *Current Drug Delivery*. 2016;13(5):711-719. ISSN: 1567-2018; DOI: 10.2174/1567201812666151027142412. Cod. Scopus: 2-s2.0-84978224679. Cod. WOS: 000384800000008.
58. Balasubramanian K. Evangelopoulos M. Brown B.S. Parodi A. **Celia C.** Yazdi I.K. Tasciotti E. Ghee butter as a therapeutic delivery system. *Journal of Nanoscience and Nanotechnology*. 2017;17(2):977-982; ISSN: 1533-4880 (Print); ISSN: 1533-4899 (Online); DOI:10.1166/jnn.2016.12623. Cod. Scopus: 2-s2.0-85010041770. Cod. WOS: 000397118700016.
59. D'Angelo V. Tessari F. Bellagamba G. De Luca E. Cifelli R. **Celia C.** Primavera R. Di Francesco M. Paolino D. Di Marzio L. Locatelli M. Microextraction by packed sorbent and HPLC-PDA quantification of multiple anti-inflammatory drugs and fluoroquinolones in human plasma and urine. *Journal of Enzyme Inhibition and Medicinal Chemistry* 2016 2016;31(sup3):110-116; ISSN: 1475-6366 (Print), ISSN: 1475-6374 (Online); DOI: 10.1080/14756366.2016.1209496. Cod. Scopus: 2-s2.0-84979582126. Cod. WOS: 000390581400014.
60. Di Francesco M. Primavera R. Fiorito S. Cristiano M.C. Taddeo V.A. Epifano F. Di Marzio L. Genovese S. **Celia C.** Acronychiabaueri analogue derivative-loaded ultradeformable vesicles: physicochemical characterization and potential applications. *Planta Medica* 2017 83(5):482-491; ISSN: 0032-0943; DOI: 10.1055/s-0042-112225. Cod. Scopus: 2-s2.0-84983056967. WOS: 000397631700016.
61. Cristiano M.C. Cosco D. **Celia C.** Tudose A. Mare R. Paolino D. Fresta M. Anticancer activity of all-trans retinoic acid-loaded liposomes on human thyroid carcinoma cells. *Colloids Surf B Biointerfaces*. 2017;150:408-416; ISSN: 0927-7765; DOI: 10.1016/j.colsurfb.2016.10.052. Cod. Scopus: 2-s2.0-85008145804. Cod. WOS: 000393726900046.
62. Paolino D. Accolla M.L. Cilurzo F. Cristiano M.C. Cosco D. Castelli F. Sarpietro M.G. Fresta M. **Celia C.** Interaction between PEG lipid and DSPE/DSPC phospholipids: An insight of PEGylation degree and kinetics of de-PEGylation. *Colloids Surface B Biointerfaces*. 2017;155:266-275. ISSN: 0927-7765; DOI: 10.1016/j.colsurfb.2017.04.018. Cod. Scopus: 2-s2.0-85018325165. Cod. WOS: 000403738000032.
63. Grande R. **Celia C.** Mincione G. Stringaro A. Di Marzio L. Colone M. Di Marcantonio M.C. Savino L. Puca V. Santoliquido R. Locatelli M. Muraro R. Hall-Stoodley L. Stoodley P. Detection and Physicochemical Characterization of Membrane Vesicles (MVs) of *Lactobacillus reuteri* DSM 17938. *Frontiers in Microbiology*. 2017;8:1040. ISSN: 1664-302X; DOI: 10.3389/fmicb.2017.01040. Cod. Scopus: 2-s2.0-85020507488. Cod. WOS:000403138900001.
64. Di Francesco M. **Celia C.** Primavera R. D'Avanzo N. Locatelli M. Fresta M. Cilurzo F. Ventura C.A. Paolino D. Di Marzio L. Physicochemical characterization of pH-responsive and fusogenic self-assembled non-phospholipid vesicles for a potential multiple targeting therapy. *International Journal of Pharmaceutics*. 2017;528(1-2):18-32. ISSN: 0378-5173; DOI: 10.1016/j.ijpharm.2017.05.055. Cod. Scopus: 2-s2.0-85019998281. Cod. WOS:000408007600003.
65. Campestre C. Locatelli M. Guglielmi P. De Luca E. Bellagamba G. Menta S. Zengin G. **Celia C.** Di Marzio L. Carradori S. Analysis of imidazoles and triazoles in biological samples after MicroExtraction by packed sorbent. *Journal of Enzyme Inhibition and Medicinal Chemistry*. 2017;32(1):1-11. ISSN: 1475-6366 (Print), ISSN: 1475-6374 (Online); DOI: 10.1080/14756366.2017.1354858. Cod. Scopus: 2-s2.0-85026870702. Cod. WOS:000416951100001
66. Mocan A. Carradori S. Locatelli M. Secci D. Cesa S. Mollica A. Riga S. Angeli A. Supuran CT. **Celia C.** Di Marzio L. Bioactive isoflavones from *Pueraria lobata* root and starch: Different extraction techniques and carbonic anhydrase inhibition. *Food and Chemical Toxicology*. 2018;112:441-447. ISSN: 0278-6915; DOI: 10.1016/j.fct.2017.08.009. Cod. Scopus: 2-s2.0-85027395216. Cod. WOS:000425568900050
67. **Celia C.** Scala A. Stancanelli R. Surdo E. Paolino D. Grattoni A. Micalè N. Crupi V. Majolino D. Fresta M. Tommasini S. Venuti V. Ventura CA. Physicochemical properties of inclusion complexes of highly soluble β -cyclodextrins with highly hydrophobic testosterone propionate. *International Journal of Pharmaceutics*. 2017;20;534(1-2):316-324.

DOI: 10.1016/j.ijpharm.2017.10.014. ISSN: 0378-5173; Cod. Scopus: 2-s2.0-85032261229. Cod. WOS:000415579600034

68. Di Francesco M. Primavera R. Romanelli D. Palomba R. Pereira R.C. Catelani T. **Celia C.** Di Marzio L. Fresta M. Di Mascolo D. Decuzzi P. Hierarchical Microplates as Drug Depots with Controlled Geometry, Rigidity, and Therapeutic Efficacy. *ACS Applied Materials & Interfaces*. 2018;21;10(11):9280-9289. ISSN (Print): 1944-8244; ISSN (Online): 1944-8252; DOI: 10.1021/acsami.7b19136. Cod. Scopus: 2-s2.0-85044212099. Cod. WOS:000428356800011

69. Balasubramanian V. Poillucci A. Correia A. Zhang H. **Celia C.**** Santos H.A. Cell Membranes based Nanoreactor to Mimic the Bio-Compartmentalization Strategy of a Cell. *ACS Biomaterials Science & Engineering*. 2018;4(4):1471-1478. ISSN: 2373-9878; DOI: 10.1021/acsbiomaterials.7b00944. Cod. Scopus: 2-s2.0-85045219723. Cod. WOS:000429886800034

70. Primavera R. Palumbo P. **Celia C.** Cinque B. Carata E. Carafa M. Paolino D. Cifone M.G. Di Marzio L. An insight of in vitro transport of PEGylated non-ionic surfactant vesicles (NSVs) across the intestinal polarized enterocyte monolayers. *European Journal of Pharmaceutics and Biopharmaceutics*. 2018;127:432-442. ISSN: 0939-6411; DOI: 10.1016/j.ejpb.2018.03.013. Cod. Scopus: 2-s2.0-85046832099. Cod. WOS:000433650400046

Primavera R. Palumbo P. **Celia C.** Cilurzo F. Cinque B. Carata E. Carafa M. Paolino D. Cifone M.G. Di Marzio L. Corrigendum to "An insight of in vitro transport of PEGylated non-ionic surfactant vesicles (NSVs) across the intestinal polarized enterocyte monolayers" [*Eur. J. Pharm. Biopharm.* 127 (2018) 432-442]. *European Journal of Pharmaceutics and Biopharmaceutics*. 2018;128:259. ISSN: 0939-6411; DOI 10.1016/j.ejpb.2018.05.010. Cod. Scopus: 2-s2.0-85046876190. Cod. WOS:000436382800025

71. Malatesta L. Cosco D. Paolino D. Cilurzo F. Costa N. Di Tullio A. Fresta M. **Celia C.** Di Marzio L. Locatelli M. Simultaneous quantification of Gemcitabine and Irinotecan hydrochloride in rat plasma by using high performance liquid chromatography-diode array detector. *Journal of Pharmaceutical and Biomedical Analysis*. 2018;159:192-199. ISSN: 07317085; DOI: 10.1016/j.jpba.2018.06.060. Cod. Scopus: 2-s2.0-85049466203.

72. Mare R. Paolino D. **Celia C.** Molinaro R. Fresta M. Cosco D. Post-insertion parameters of PEG-derivatives in phosphocholine-liposomes. *International Journal of Pharmaceutics*. 2018;552(1-2):414-421. ISSN: 0378-5173; DOI: 10.1016/j.ijpharm.2018.10.028. Cod. Scopus: 2-s2.0-85054696275. Cod. WOS:000447985800046

73. Cilurzo F. Critello C.D. Paolino D. Fiorillo A.S. Fresta M. De Franciscis S. **Celia C.*** Polydocanol foam stabilized by liposomes: Supramolecular nanoconstructs for sclerotherapy. *Colloids Surface B Biointerfaces*. 2019;175:469-476. ISSN: 0927-7765; DOI: 10.1016/j.colsurfb.2018.12.027. Cod. Scopus: 2-s2.0-85058441263. Cod. WOS:000459837800054

74. Paolino D. Tudose A. **Celia C.*** Di Marzio L. Cilurzo F. Mircioiu C. Mathematical Models as Tools to Predict the Release Kinetic of Fluorescein from Lyotropic Colloidal Liquid Crystals. *Materials*. 2019;12:693. ISSN: 1996-1944; DOI: 10.3390/ma12050693. Cod. Scopus: 2-s2.0-85062995664. Cod. WOS:000462543700009

75. Mircioiu C. Voicu V. Anuta V. Tudose A. **Celia C.** Paolino D, Fresta M, Sandulovici R, Mircioiu I. Mathematical Modeling of Release Kinetics from Supramolecular Drug Delivery Systems. *Pharmaceutics*. 2019;11(3):140-185. ISSN: 19961944; DOI: 10.3390/pharmaceutics11030140. Cod. Scopus: 2-s2.0-85062995664. Cod. WOS: WOS:000466897800042

76. Chaves LL. Silveri A. Vieira ACC. Ferreira D. Cristiano MC. Paolino D. Di Marzio L. Lima SC. Reis S.** Sarmiento B.** **Celia C.**** pH-responsive chitosan based hydrogels affect the release of dapsone: Design, set-up, and physicochemical characterization. *International Journal of Biological Macromolecules* 2019;133:1268-1279. ISSN: 01418130; DOI: 10.1016/j.ijbiomac.2019.04.178. Cod. Scopus: 2-s2.0-85065421875. Cod. WOS:000472685700139

77. Gagliardi A. Bonacci S. Paolino D. **Celia C.** Procopio A. Fresta M. Cosco D. Paclitaxel-loaded sodium deoxycholate-stabilized zein nanoparticles: characterization and in vitro cytotoxicity. *Heliyon* 2019;5(9):e02422. ISSN: 24058440; DOI: 10.1016/j.heliyon.2019.e02422. Cod. Scopus: 2-s2.0-85071757336. WOS:000488879100095
78. Puca V. Ercolino E. **Celia C.** Bologna G. Di Marzio L. Mincione G. Marchisio M. Miscia S. Muraro R. Lanuti P. Grande R. Detection and Quantification of eDNA-Associated Bacterial Membrane Vesicles by Flow Cytometry. *International Journal of Molecular Sciences* 2019;20(21):5307. ISSN: 16616596; DOI: 10.3390/ijms20215307. Cod. Scopus: 2-s2.0-85074327446. WOS:000498946100065
79. Vergallo C. Torrici G. Provenzani R. Miettinen S. Moslova K. Varjosalo M. Cristiano M.C. Fresta M. **Celia C.** Santos H.A.** Cilurzo F.** Di Marzio L.** Design, synthesis and characterization of a PEGylated stanozolol for potential therapeutic applications. *International Journal of Pharmaceutics* 2020;573:118826. ISSN: 03785173; DOI: 10.1016/j.ijpharm.2019.118826. Cod. Scopus: 2-s2.0-85076213166. WOS:000505001000013
80. Rayamajhi S. Marchitto J. Nguyen T.D.T. Marasini R. **Celia C.** Aryal S. pH-responsive cationic liposome for endosomal escape mediated drug delivery. *Colloids Surface B Biointerfaces*. 2020;188:110804. ISSN: 09277765; DOI: 10.1016/j.colsurfb.2020.110804. Cod. Scopus: 2-s2.0-85078571517. Cod. WOS: WOS:000527305100049
81. d'Avanzo N. **Celia C.** Barone A. Carafa M. Di Marzio L. Santos H.A. Fresta M. Immunogenicity of Polyethylene Glycol Based Nanomedicines: Mechanisms, Clinical Implications and Systematic Approach. *Advanced Therapeutics*. 2020;3:1900170. ISSN: 2366-3987; DOI: 10.1002/adtp.201900170. Cod. Scopus: 2-s2.0-85083422576. Cod. WOS:000513847800001
82. Martins J.P. das Neves J. de la Fuente M. **Celia C.** Florindo H. Günday-Türeli N. Popat A. Santos J.L. Sousa F. Schmid R. Wolfram J. Sarmento B. Santos H.A. The solid progress of nanomedicine. *Drug Delivery and Translational Research*. 2020;10(3):726-729. ISSN (Electronic): 2190-3948; ISSN (Print): 2190-393X; DOI: 10.1007/s13346-020-00743-2. Cod. Scopus: 2-s2.0-85081606697. Cod. WOS: WOS:000533082900013
83. Pannuzzo M. Esposito S. Wu L.P. Key J. Aryal S. **Celia C.** Di Marzio L. Moghimi S.M. Decuzzi P. Overcoming Nanoparticle-Mediated Complement Activation by Surface PEG-Pairing. *Nano Letters*. 2020;20(6):4312-4321. ISSN (Electronic): 1530-6992; ISSN (Print): 1530-6984; DOI: 10.1021/acs.nanolett.0c01011. Cod. Scopus: 2-s2.0-85081606697. Cod. WOS:000541691200033
84. Cristiano M.C. Froio F. Mancuso A. Iannone M. Fresta M. Florito S. **Celia C.** Paolino D.** In vitro and in vivo trans-epidermal water loss evaluation following topical drug delivery systems application for pharmaceutical analysis. *Journal of Pharmaceutical and Biomedical Analysis*. 2020;186:113295. ISSN: 0731-7085; DOI: 10.1016/j.jpba.2020.113295. Cod. Scopus: 2-s2.0-85083865499. Cod. WOS: 000541133300060**
85. Barone A. Cristiano M.C. Cilurzo F. Locatelli M. Iannotta D. Di Marzio L. **Celia C.** Paolino D.** Ammonium glycyrrhizate skin delivery from ultradeformable liposomes: A novel use as an anti-inflammatory agent in topical drug delivery. *Colloids and Surface B Biointerfaces*. 2020;193:111152. ISSN: 09277765; DOI:10.1016/j.colsurfb.2020.111152. Cod. Scopus:2-s2.0-85086140731. Cod. WOS:000546723100066**
86. Cevenini A. **Celia C.** Orrù S. Sarnataro D. Rala M. Mollo V. Locatelli M. Imperlini E. Peluso N. Peltrini R. De Rosa E. Parodi A. Del Vecchio L. Di Marzio L. Fresta M. Netti P.A. Shen H. Liu X. Tasciotti E. Salvatore F. Liposome-Embedding Silicon Microparticle for Oxaliplatin Delivery in Tumor Chemotherapy. *Pharmaceutics*. 2020;12(6):559. ISSN: 19994923; DOI:10.3390/pharmaceutics12060559. Cod. Scopus:2-s2.0-85086670952. Cod. WOS:000551219900001
87. Simeone P. **Celia C.** Bologna G. Ercolino E. Pierdomenico L. Cilurzo F. Grande R. Diomede F. Vespa S. Canonico B. Guescini M. Stocchi V. Lotti L.V. Guagnano M.T. Stellin L. Papa S. Trubiani O. Marchisio M. Miscia S. Lanuti P. Diameters and Fluorescence Calibration for Extracellular Vesicle Analyses by Flow Cytometry. *International*

Journal of Molecular Sciences. 2020;21(21):7885. ISSN: 16616596; DOI:10.3390/ijms21217885. Cod. Scopus: 2-s2.0-85093933479. Cod. WOS:000588953000001

88. **Celia C.** Di Marzio L. Locatelli, M. Ramundo, P. D'ambrosio F. Tartaglia A. Current trends in simultaneous determination of co-administered drugs. *Separations*. 2020;7(2):29. ISSN (electroni): 2297-8739. DOI:10.3390/separations7020029. Cod. Scopus:2-s2.0-85085933613. Cod. WOS:000551228900004

89. Esposito L. Barbosa A.I. Moniz T. Costa Lima S. Costa P. **Celia C.** Reis S. Design and Characterization of Sodium Alginate and Poly(vinyl) Alcohol Hydrogels for Enhanced Skin Delivery of Quercetin. *Pharmaceutics*. 2020;12(12):1149. ISSN: 19994923; DOI:10.3390/pharmaceutics12121149. Cod. Scopus: 2-s2.0-85097224906. Cod. WOS:000602365800001

90. Marchisio M. Simeone P. Bologna G. Ercolino E. Pierdomenico L. Pieragostino D. Ventrella A. Antonini F. Del Zotto G. Vergara D. **Celia C.** Di Marzio L. Del Boccio P. Fontana A. Bosco D. Miscia S. Lanuti P. Flow Cytometry Analysis of Circulating Extracellular Vesicle Subtypes from Fresh Peripheral Blood Samples. *International Journal of Molecular Sciences*. 2021;22(1):E48. ISSN: 16616596; DOI:10.3390/ijms22010048. Cod. Scopus:2-s2.0-85098633761. Cod. WOS:000606138000001

91. **Celia C.** Cristiano M.C. Froio F. Di Francesco M. d'Avanzo N. Di Marzio L. Fresta M. Nanoliposomes as Multidrug Carrier of Gemcitabine/Paclitaxel for the Effective Treatment of Metastatic Breast Cancer Disease: A Comparison with Gemzar and Taxol. *Advanced Therapeutics*. 2021;4(1): 2000121. ISSN: 2366-3987; DOI:10.1002/adtp.202000121. Cod. Scopus: 2-s2.0-85102715787. Cod. WOS:000568482000001

92. **Celia C.** Paolino D. Santos H.A. Advanced Nanosystems for Clinical Translation. *Advanced Therapeutics*. 2021;4(1): 2000215. ISSN: 2366-3987; DOI: 10.1002/adtp.202000215. Cod. Scopus: 2-s2.0-85103804112. Cod. WOS:000612264600009

93. Di Francesco M. **Celia C.** Cristiano M.C. d'Avanzo N. Ruozi B. Mircioiu C. Cosco D. Di Marzio L. Fresta M. Doxorubicin Hydrochloride Loaded Non-ionic Surfactant Vesicles to Treat Metastatic and Non-Metastatic Breast Cancer. *ACS Omega*. 2021;6(4):2973-2989. ISSN: 2470-1343; DOI:10.1021/acsomega.0c05350. Cod. Scopus: 2-s2.0-85100152265. Cod. WOS: WOS:000618087400056

94. Imperlini E. **Celia C.** Ceverini A. Mandola A. Raia M. Fresta M. Orrù S. Di Marzio L. Salvatore F. Nano-bio interface between human plasma and niosomes with different formulations indicates protein corona patterns for nanoparticle cell targeting and uptake. *Nanoscale*. 2021 2021;13(10):5251-5269. ISSN 2040-3372; DOI: 10.1039/d0nr07229j. Cod. Scopus: 2-s2.0-85102870832. Cod. WOS: 000630384400008

95. d'Avanzo N. Torrieri G. Figueiredo P. **Celia C.** Paolino D. Correia A. Moslova K. Teesalu T. Fresta M. Santos H.A. LinTT1 peptide-functionalized liposomes for targeted breast cancer therapy. *International Journal of Pharmaceutics*. 2021;597:120346-120363. ISSN: 0378-5173; DOI: 10.1016/j.ijpharm.2021.120346. Cod. Scopus: 2-s2.0-85100639559. Cod. WOS: 000628677400058

96. Paolino D. Mancuso A. Cristiano M.C. Froio F. Lammari N. **Celia C.** Fresta M. Nanonutraceuticals: The New Frontier of Supplementary Food. *Nanomaterials*. 2021;11(3):792. ISSN 2079-4991; DOI: 10.3390/nano11030792. Cod. Scopus: 2-s2.0-85102685448. Cod. WOS: WOS: 000633976800001

97. Iannotta D. Yang M. **Celia C.** Di Marzio L. Wolfram J. Extracellular vesicle therapeutics from plasma and adipose tissue. *Nano Today*. 2021;39:101159. ISSN: 1748-0132; DOI: 10.1016/j.nantod.2021.101159. Cod. Scopus: 2-s2.0-85104965780. Cod. WOS: 000687255000001.

98. J.P. Martins P. Figueiredo S. Wang E. Espo E. Celi B. Martins M. Kemell K. Moslova E. Mäkilä J. Salonen M.A. Kostianen C. **Celia V.** Cerullo T. Viitala B. Sarmento J. Hirvonen H.A. Santos. Neonatal Fc receptor-targeted lignin-encapsulated porous silicon nanoparticles for enhanced cellular interactions and insulin permeation across the intestinal

epithelium. *Bioactive Materials*. 2022;9:299-315. ISSN: 2452-199X; DOI: 10.1016/j.bioactmat.2021.08.007. Cod. Scopus: 2-s2.0-85112562867; Cod. WOS: 000736141800001

99. Hafeez M.N. **Celia C.** Petrikaite V. Challenges towards Targeted Drug Delivery in Cancer Nanomedicines. *Processes*. 2021;9:1527. ISSN: 2227-9717; DOI: 10.3390/pr9091527. Codice Scopus: 2-s2.0-85114265616; Cod. WOS: 000701062400001.

100. Hafeez MN d'Avanzo N Russo V Di Marzio L Cilurzo F Paolino D Fresta M Barboni B Santos HA** **Celia C****. Tendon Tissue Repair in Prospective of Drug Delivery, Regenerative Medicines, and Innovative Bioscaffolds. *Stem Cells International*. 2021;2021:1488829. ISSN: 1687-966X (Print); DOI: 10.1155/2021/1488829. Codice Scopus: 2-s2.0-85120406378. Codice WOS: 000727939500002.

101. Di Marzio L Borrego-Sánchez A Felaco M Pacinelli M Gómez-Morales J d'Avanzo N Sainz-Díaz C.I. **Celia C**** Viseras C**. Praziquantel-loaded calcite crystals: Synthesis, physicochemical characterization, and biopharmaceutical properties of inorganic biomaterials for drug delivery. *Journal of Drug Delivery Science and Technology*. 2022;68:103021. ISSN: 17732247; DOI: 10.1016/j.jddst.2021.103021. Cod. Scopus: 2-s2.0-85121990422; Cod. WOS: XXX

102. d'Avanzo N, Cristiano MC, Di Marzio L, Bruno MC, Paolino D**, **Celia C****, Fresta M. Multidrug Idebenone/Naproxen co-loaded Aspasomes for a Significant In Vivo Anti-Inflammatory Activity. *ChemMedChem*. 2022 Feb 23. ISSN:1860-7187; DOI: 10.1002/cmdc.202200067. Codice Scopus: 2-s2.0-85126857214. Codice WOS:000771586200001.

Titoli ¹

- Direzione di enti o istituti di ricerca di alta qualificazione internazionale;
-
- Responsabilità scientifica generale o di unità (work package, unità nazionale nei progetti europei o locale in quelli nazionali ecc.) per progetti di ricerca internazionali e nazionali ammessi al finanziamento sulla base di bandi competitivi che prevedano la revisione tra pari:
- 1. 2006 – 2007, Research Fellow, Progetto D4 "Agevolazione finanziaria per la mobilità verso imprese, università, centri e istituti di ricerca del Friuli Venezia Giulia di ricercatori residenti nel Sud Italia e di ricercatori residenti in Regione, attualmente impiegati all'estero" pubblicato in data 7 novembre 2005 sul Supplemento Ordinario (S.O.) N°26 del B.U.R. Friuli-Venezia Giulia, Italy 2005. Funds: 22,500,000 €
- 2. 2006 – 2007, Research Fellow, University of Palermo, Pharmaceutical Technology and Advanced Drug Delivery (S.S.D. CHIM/09 – Applied Pharmaceutical Technology): "Poly-aminoacids and poly-saccharides polymeric systems for the modified release and targeting of drugs". Funds: 18,060,000 €
- 3. 2008 – 2008, Research Fellow, "Programma Integrato di Voucher e Borse per l'Alta Formazione POR CALABRIA 2000 – 2006 Misura 3.7" dal Titolo Biotecnologie nella Ricerca Oncologica, Catanzaro, Italy. Funds: 7,747,000 €
- 4. Bando 2016, Progetto Finalizzato, Ministero della Salute, **Project Title:** Role of miR-181a and miR-181b in B cell malignancies and development of rational approaches for their use as therapeutic agents; **Project Code:** GR-2016-02363070; **Project Type:** Young Research (under 40 years); **Role:** Co-Principal Investigator and Responsible of Research Unit 2. Funds: 443,200 € (November 2018-May 2022).
- 5. **Project Leader** in collaboration with Prof. Helder A. Santos, Faculty of Pharmacy, Department of Helsinki, for Research Fellowship, Dottorato di ricerca "Innovativo a caratterizzazione industriale" per l'Anno Accademico 2017/2018 - Ciclo XXXIII, Italian Minister of Innovation, University and Research (MIUR), DOT13A8025, University of Teramo (<http://www.miur.gov.it/-/decreto-di-assegnazione-borse-aggiuntive-dottorato-di-ricerca-innovativo-a-caratterizzazione-industriale-per-l-anno-accademico-2017-2018-ciclo-xxxiii>). Funds: 120,000 € (June 2019-January 2022).

¹ In via esemplificativa sono indicate alcune voci

- 6. **BioGaia AB; Research Contract**, Private funds, **Project Title**: "Lactobacillus reuteri DSM 17938 Membrane Vesicles (MVs): In-Depth Characterization and Possible Applications for Human Health", 16/04/2018; **Role**: Project leader in collaboration with Dr. Rossella Grande. Funds: 60,000 € (April 2018-April 2020).
- 7. **Co-Investigator and Secondment partner leader and coordinator** of Perspectives For Future Innovation in Tendon Repair (P4FIT) project; H2020 MSC-EJD-P4FIT 2020 (Number 955685); PI: Helder A. Santos (University of Helsinki). Funds: 4,043,040 € (January 2021-December 2024).
- 8. **Project Leader** in collaboration with Prof. Tambet Teesalu, Laboratory of Precision Medicine, Institute of Biomedicine and Translational Medicine, for Research Fellowship, Dottorato di ricerca "innovativo a caratterizzazione industriale", tematica Innovation, per l'Anno Accademico 2021/2022 - Ciclo XXXVII, Italian Minister of Innovation, University and Research (MIUR), University of L'Aquila. Funds: 60,000 € (January 2022 - January 2025).
- 9. **Co-leader of WP4**, "Strengthening of research structures and creation of R&D "innovation ecosystems", set up of "territorial leaders in R&D" National Recovery and Resilience Plan (NRRP)", Mission 4, Component 2 Investment 1.5, funded from the European Union – NextGenerationEU – VITALITY. Total budget of the project: € 115.996.558,73; Budget University of Chieti – Pescara "G. d'Annunzio" PI: Prof. Piero Di Carlo; WP4 – Precision Medicine for cell/tissue therapy and pollution contrast – Budget WP4: € 2.248.921,44.
- Direzione o partecipazione a comitati di direzione di riviste Scopus/WOS o classificate da ANVUR, nonché di collane editoriali, enciclopedie e trattati di riconosciuto prestigio nel settore:
- 1. Guest Editor "**Supramolecular Systems in Nanomedicines: Therapeutic Applications and Future Perspectives, Part I e II**" 2015 peer-reviewed **Current Drug Targets** (Journal Citation Reports; Journal Rank in Categories: Pharmacology & Pharmacy Q2). ISSN: 13894501 (Part I); ISSN: 13894501 (Part II).
- 2. Guest Editor Book Chapter "**Analytical Chemistry: Development, Application and Challenges**", Nova Science Publisher Inc., 400 Oser Avenue, Suite 1600, Hauppauge, NY, 11788 – 3619, USA. ISSN: 978-1-53612-267-1. Cod. Scopus: 2-s2.0-85034983743.
- 3. Guest Editor Special Issue "Application of Nanoparticles in Cancer Therapy" 2021 peer-reviewed Processes. ISSN: 2227-9717, Special section: Pharmaceutical processes.
- 4. Guest Editor Special Collection "Nanomedicine, drug delivery and nanodrugs" 2021 ChemMedChem ISSN: 1860-7187.
- 5. 2017 – current Editorial Board Member, peer-reviewed journal **Drug Delivery Letters; Bentham Group** (ISSN: 2210-304X (Online); ISSN: 2210-3031 (Print)).
- 6. 2018 – current Editorial Board Member peer-reviewed journal **Pharmaceutics; MPDI Group** (ISSN 1999-4923; CODEN: PHARK5).
- 7. 2018 – current Editorial Board Member, peer-reviewed journal **Frontiers in Pharmacology**, section Pharmacology of Anti-Cancer Drugs; **Frontiers group** (ISSN: 1663-9812 (Online)).
- 8. 2018 – 2020 Editorial Board Member, peer-reviewed journal **Current Drug Delivery; Bentham Group** (ISSN: 1875-5704 (Online); ISSN: 1567-2018 (Print)).
- 9. 2018 – current Editorial Board Member, peer-reviewed journal **Current Nanomedicine; Bentham Group** (ISSN: 2468-1881 (Online); ISSN: 2468-1873 (Print)).
- 10. 2018 – current Editorial Board Member, peer-reviewed journal **Sci; MPDI Group** (ISSN 2413-4155 (Online)).
- 11. 2019 – current Editorial Board Member, peer-reviewed journal **International Journal of Molecular Sciences; MPDI Group** (ISSN 1661-6596 (Online)).
- 12. 2019 – current Editorial Board Member, peer-reviewed journal **Frontiers in Bioengineering and Biotechnology**, section Nanobiotechnology; **Frontiers group** (ISSN: 2296-4185 (Online)).
- 13. 2019 – current Editorial Board Member, peer-reviewed journal **Frontiers In Oncology**, section Pharmacology and Anti-cancer Drugs; **Frontiers group** (ISSN: 2234-943X (Online)).
- 14. 2020 – current Editorial Board Member, peer-reviewed journal **Frontiers in Molecular Biosciences**, section Nanobiotechnology; **Frontiers group** (ISSN: 2296-889X (Online)).
- 15. 2020 – current Associate Editor, peer-reviewed journal **Frontiers in Medical Technology; Frontiers group** (ISSN: 2673-3129 (Online)).
- 16. 2020 – current Editorial Board Member, peer-reviewed journal **Analytica**, MDPI Group (ISSN: 2673-4532 (Online)).
- 17. 2021 – current Co-Editor, peer-reviewed journal **Current Drug Delivery; Bentham Group** (ISSN: 1875-5704 (Online); ISSN: 1567-2018 (Print)).
- 18. 2021 – current Editorial Board Member, peer-reviewed journal **International Journal of Bioprinting; WHIOCE group**; (ISSN: 2424-8002 (Online); ISSN: 2424-7723 (Print)).
- Partecipazione al collegio dei docenti nell'ambito di dottorati di ricerca accreditati dal Ministero:
- 2013 – 2020, Member of committee board for Ph.D. program in Molecular and Cellular Biotechnology, University of Teramo.
- 2020 – current, Member of committee board for Ph.D. program in Environmental and Health Science, University of Aquila.

- Incarichi di insegnamento o di ricerca (fellowship) presso qualificati atenei e istituti di ricerca esteri o sovranazionali:
- 2012 – 2012, Temporary appointment (June – October) as Affiliated scientist at The Houston Hospital Research Institute (TMHRI), Houston, TX, USA. Salary: 14,166.68 USD.
- 2022 – current, Senior research, Lithuanian University of Health Sciences, Laboratory of Drug Targets Histopathology, Institute of Cardiology, Kaunas, Lithuanian.
- significativi riconoscimenti per l'attività scientifica, incluse l'affiliazione ad accademie di riconosciuto prestigio nel settore e la presidenza di società scientifiche di riconosciuto prestigio:
- Affiliated member CRS (Controlled Release Society).
- 2. Affiliated member: CRS Italian Local Chapter (Controlled Release Society Italian Local Chapter).
- 3. Affiliated member: ADRITELF (Italian Association of Professor in Pharmaceutical Technology and Advanced Drug Delivery).
- 4. Affiliated membership: Pharmacist Order of Catanzaro, Italy.
- 5. Academic Member: CRS Focus group of Nanomedicine and Nanoscale delivery.
- 6. Secretary Chair: CRS Focus group of Nanomedicine and Nanoscale delivery.
- 7. Poster Prize, XIII National Meeting in Medicinal Chemistry, University of Salerno (Italy), September 6 – 9, 2015.
- 8. Finanziamento delle Attività Base di Ricerca, Avviso pubblico di ANVUR n. 20/2017 del 15-06-2017.
- 9. Best Paper award 2021, Pharmaceutics Mathematical Modeling of Release Kinetics from Supramolecular Drug Delivery Systems by Constantin Mircioiu, Victor Voicu, Valentina Anuta, Andra Tudose, Christian Celia, Donatella Paolino, Massimo Fresta, Roxana Sandulovici, Ion Mircioiu. Pharmaceutics 2019, 11(3), 140; <https://doi.org/10.3390/pharmaceutics11030140>
- partecipazione come relatore a convegni di carattere scientifico nazionali o internazionali:
- 1. Invited Lecture "Preparati Dermici e Transdermici: aspetti teorici e pratici" - 4° Corso Scuola Dottorale per la Formazione Avanzata in Discipline Tecnologico-Farmaceutiche, 11-17 Settembre 2004 Arcavacata di Rende (CS), Italia (S.S.D. CHIM/09 – Applied Pharmaceutical Technology).
- 2. Invited Lecture "Tecnologie Innovative per la Veicolazione di Farmaci" - 5° Corso Scuola Dottorale per la Formazione avanzata in Discipline Tecnologico-Farmaceutiche, 10-16 Settembre 2005, Arcavacata di Rende (CS), Italia (S.S.D. CHIM/09 – Applied Pharmaceutical Technology).
- 3. Invited Lecture "Tecnologia ed Applicazioni nello Sviluppo di Prodotti di Origine Vegetale" - 7a Corso Scuola Dottorale per la Formazione Avanzata In Discipline Tecnologico Farmaceutiche. 8-14 Settembre 2007, Arcavacata di Rende (CS), Italia (S.S.D. CHIM/09 – Applied Pharmaceutical Technology).
- 4. Invited Lecture "Sistemi Vescicolari: Recent Advances in vesicle drug carriers" – 8o Corso Scuola Dottorale la Formazione avanzata in Discipline Tecnologico-Farmaceutiche, 22-27 Settembre 2008, Arcavacata di Rende (CS), Italia (S.S.D. CHIM/09 – Applied Pharmaceutical Technology).
- 5. Invited Lecture "Sistemi Nanoparticellari" – 9° Corso Scuola Dottorale per la Formazione Avanzata In Discipline Tecnologico Farmaceutiche. 7-9 Settembre 2009, Cagliari (CA), Italia (S.S.D. CHIM/09 – Applied Pharmaceutical Technology).
- 6. 2008 – 2008, Invited lecture Gemcitabine-loaded liposomes: an innovative formulation for anticancer therapy. CRS Italy Local Chapter – Anticancer drug delivery: new perspectives in tumour targeting. 28-29 Novembre 2008, Padua, Italy.
- 7. 2010 – 2010, Invited lecture, Gemcitabine-loaded chitosan microspheres for lung cancer treatment. CRS Italy Local Chapter, Rome, November 25-27, 2010, Italy.
- 8. 2014 – 2014, Invited lecture, Nanocarriers for brain inflammation: an overview of conventional and innovative approaches. XIV Corso Permanente di Aggiornamento per I Dottorandi del Settore Tecnologico Farmaceutico. Strategie per il Rilascio ed il Direzionamento di Farmaci al SNC. 22 – 26 Settembre 2014, Arcavacata di Rende (CS), Italy.
- 9. 2014 – 2014, Invited lecture, Nanocarriers in Food Sciences: Application and Future Perspectives. Mini-Workshop Nanosystems & Health Sciences. 1st July 2014, Germaneto – Catanzaro (CZ), Italy.
- 10. 2014 – 2014, Invited lecture, Liposomal Bergamot oil and neuroblastoma. Phyt'Arom Grasse. Congres International d'Aromatherapie et Plantes Medicinales. 11-13 Avril 2014, Grasse, France.
- 11. 2015 – 2015, Invited lecture, "Fascination of Plants Day" University of Chieti – Pescara, "G. d'Annunzio", 18 May 2015, Chieti, Italy.
- 12. 2015 – 2015, Invited lecture, "I Edition Nanoitaly", University of Rome "Sapienza" 21 September 2015,

Rome, Italy.

13. 2016 – 2016, Invited lecture, Supramolecular Cancer Therapeutics for Anticancer Drug Delivery. Dipartimento di Scienze Chimiche e Farmaceutiche, 9 Marzo 2016, Università degli Studi di Trieste, Trieste, Italia.

14. 2016 – 2016, Invited lecture, Nanoliposomes as Multidrug Therapy for Anticancer Treatment. 10th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology. Glasgow, United Kingdom 4 – 7 April 2016.

15. 2018 – 2018 Invited Lectures for the thematic topic of Nanomedicine at the Scuola Normale Superiore di Pisa, Pisa, Italy.

16. 2021 – 2021, Invited lecture, Therapeutic Nanoparticles in Anticancer Therapy. Nanomedicine and Therapeutics Materials Virtual Symposium. Section 2, August 19, 2021.

17. 2021 – 2021, Invited lecture, Nanosistemi convenzionali ed innovativi per la veicolazione degli oli essenziali. Virtual Meeting "Modalità di incapsulamento e di delivery degli oli essenziali: attualità e prospettive", S.I.R.O.E. (Società Italiana per la Ricerca sugli Oli Essenziali), 22 Ottobre 2021, Rome, Italy.

- direzione o partecipazione a gruppi di ricerca, nazionali o internazionali, legati a università ovvero a qualificate istituzioni pubbliche o private:

1. Menagment and responsability of research group at University of Chieti – Pescara "G. d'Annunzio" for the scientific cooperation with the research group coordinated by Prof. Picci, University of Calabria, publications #: 1, 9.

2. Menagment and responsability of research group at University of Chieti – Pescara "G. d'Annunzio" for the scientific cooperation with the research group coordinated by Prof. Russo, University of Catanzaro "Magna Graecia", publications #: 3, 13, 16, 37, 44.

3. Menagment and responsability of research group at University of Chieti – Pescara "G. d'Annunzio" for the scientific cooperation with the research group coordinated by Prof. Procopio, University of Catanzaro "Magna Graecia", publications #: 18, 77.

4. Menagment and responsability of research group at University of Chieti – Pescara "G. d'Annunzio" for the scientific cooperation with the research group coordinated by Proff. Giammona and/or Cavallaro, University of Palermo, publications #: 14, 24, 43.

5. Menagment and responsability of research group at University of Chieti – Pescara "G. d'Annunzio" for the scientific cooperation with the research group coordinated by dr. Iannone, CNR, publications #: 2, 12, 13, 33, 84.

6. Menagment and responsability of research group at University of Chieti – Pescara "G. d'Annunzio" for the scientific cooperation with the research group coordinated by Prof. Ventura, University of Messina, publications #: 3, 28, 29, 30, 42, 56, 64, 67.

7. Menagment and responsability of research group at University of Chieti – Pescara "G. d'Annunzio" for the scientific cooperation with the research group coordinated by Proff. Carafa and/or Marianecci, University of Rome "Sapienza, publications #: 15, 25, 28, 30, 33, 34, 38, 52, 55, 70, 81, book chapter #1.

8. Menagment and responsability of research group at University of Chieti – Pescara "G. d'Annunzio" for the scientific cooperation with the research group coordinated by Proff. Castelli and/or Sarpitro, University of Catania, publications #: 2, 27, 31, 62.

9. Menagment and responsability of research group at University of Chieti – Pescara "G. d'Annunzio" for the scientific cooperation with the research group coordinated by Prof. Dini, University of Salento/ University of Rome "Sapienza, publications #: 25, 55, book chapter #3.

10. Menagment and responsability of research group at University of Chieti – Pescara "G. d'Annunzio" for the scientific cooperation with the research group coordinated by Prof. Grattoni, Houston Methodist Research Institute, publications #: 26, 31, 67.

11. Menagment and responsability of research group at University of Chieti – Pescara "G. d'Annunzio" for the scientific cooperation with the research group coordinated by Prof. Joy Wolfram, Houston Methodist

Research Institute/Mayo Clinic/University of Queensland, publications #: 28, 29, 30, 32, 35, 37, 53, 57.

12. Menagment and responsability of research group at University of Chieti – Pescara “G. d’Annunzio” for the scientific cooperation with the research group coordinated by Prof. Zhao, Chinese Academy of Science, publications #: 32, 57.

13. Menagment and responsability of research group at University of Chieti – Pescara “G. d’Annunzio” for the scientific cooperation with the research group coordinated by Proff. Ferrari and/or Shen, Houston Methodist Research Institute, publications #: 32, 35, 37, 45, 47, 53, 57, 86, appointment affiliated scientist research contract.

14. Menagment and responsability of research group at University of Chieti – Pescara “G. d’Annunzio” for the scientific cooperation with the research group coordinated by Prof. Tasciotti, Houston Methodist Research Institute, publications #: 36, 53, 58, 86.

15. Menagment and responsability of research group at University of Chieti – Pescara “G. d’Annunzio” for the scientific cooperation with the research group coordinated by Prof. Di Stefano, University of Chieti – Pescara “G. d’Annunzio”, publications #: 52, 56.

16. Menagment and responsability of research group at University of Cheiti – Pescara “G. d’Annunzio” for the scientific cooperation with the research group coordinated by Prof. Locatelli, University of Chieti – Pescara “G. d’Annunzio”, publications #: 29, 40, 42, 46, 51, 52, 59, 64, 65, 66, 71, 85, 86, 88, book editorial #1, book chapter # 2, 4.

17. Menagment and responsability of research group at University of Cheiti – Pescara “G. d’Annunzio” for the scientific cooperation with the research group coordinated by Prof. Grande, University of Chieti – Pescara “G. d’Annunzio”, publications #: 48, 51, 57, 63, 78, 87, and grant # 6.

18. Menagment and responsability of research group at University of Cheiti – Pescara “G. d’Annunzio” for the scientific cooperation with the research group coordinated by Prof. Marchisio, University of Chieti – Pescara “G. d’Annunzio”, publications #: 78, 87, 90.

19. Menagment and responsability of research group at University of Cheiti – Pescara “G. d’Annunzio” for the scientific cooperation with the research group coordinated by Prof. Decuzzi, Houston Methodist Research Institute/IIT, publications #: 55, 68, 83.

20. Menagment and responsability of research group at University of Cheiti – Pescara “G. d’Annunzio” for the scientific cooperation with the research group coordinated by Prof. Aryal, University of Kansas, publications #: 80, 83.

21. Menagment and responsability of research group at University of Cheiti – Pescara “G. d’Annunzio” for the scientific cooperation with the research group coordinated by Proff. Sarmento and/or Reis, University of Porto, publications #: 76, 82, 89.

22. Menagment and responsability of research group at University of Cheiti – Pescara “G. d’Annunzio” for the scientific cooperation with the research group coordinated by Prof. Santos, University of Helsinki/University of Groening, publications #: 69, 79, 81, 82, 92, 95, 98, book chapter libro # 3, research contract # 5, 7.

23. Menagment and responsability of research group at University of Cheiti – Pescara “G. d’Annunzio” for the scientific cooperation with the research group coordinated by Prof. Stoodley, Ohio State University, publications #: 48, 63.

24. Menagment and responsability of research group at University of Cheiti – Pescara “G. d’Annunzio” for the scientific cooperation with the research group coordinated by Prof. Mircioiu, University of Bucarest “Crol Davila”, publications #: 74, 75, 93.

25. Menagment and responsability of research group at University of Cheiti – Pescara “G. d’Annunzio” for the scientific cooperation with the resarch group coordinated by Prof. Salvatore, Università of Naples “Federico II”, publications #: 86, 90.

26. Menagment and responsability of research group at University of Cheiti – Pescara “G. d’Annunzio” for the scientific cooperation with the research group coordinated by Proff. Fresta and/or Paolino and/or Cosco, University of Catanzaro “Mgna Graecia”, publications #: 30, 31, 33, 34, 35, 37, 38, 39, 42, 43, 44, 45, 46, 47, 48, 51, 52, 54, 55, 56, 57, 59, 61, 62, 64, 67, 68, 70, 71, 72, 73, 74, 75, 77, 79, 84, 85, 86, 91, 92, 93, 94, 95, 96, 98, 100, 102, patents # 1, 2, 3, 4, 5, 6, book chapters # 1, 3, 4, project # 7.

27. Menagement and responsibility of research group at University of Chieti – Pescara "G. d'Annunzio" for the scientific cooperation with the research group coordinated by Prof. Tambet Teesalu, University of Tartu, publication # 95, project # 8.

- partecipazione a comitati di redazione di riviste Scopus/WOS o classificate da ANVUR, nonché di collane editoriali, enciclopedie e trattati di riconosciuto prestigio nel settore:
- 1. Guest Editor "**Supramolecular Systems in Nanomedicines: Therapeutic Applications and Future Perspectives, Part I e II**" 2015 peer-reviewed **Current Drug Targets** (Journal Citation Reports; Journal Rank in Categories: Pharmacology & Pharmacy Q2). ISSN: 13894501 (Part I); ISSN: 13894501 (Part II).
- 2. Guest Editor Book Chapter "**Analytical Chemistry: Development, Application and Challenges**", Nova Science Publisher Inc., 400 Oser Avenue, Suite 1600, Hauppauge, NY, 11788 – 3619, USA. ISSN: 978-1-53612-267-1. Cod. Scopus: 2-s2.0-85034983743.
- 3. Guest Editor Special Issue "Application of Nanoparticles in Cancer Therapy" 2021 peer-reviewed **Processes**. ISSN: 2227-9717, Special section: Pharmaceutical processes.
- 4. Guest Editor Special Collection "Nanomedicine, drug delivery and nanodrugs" 2021 **ChemMedChem** ISSN: 1860-7187.
- 5. 2017 – current Editorial Board Member, peer-reviewed journal **Drug Delivery Letters; Bentham Group** (ISSN: 2210-304X (Online); ISSN: 2210-3031 (Print)).
- 6. 2018 – current Editorial Board Member peer-reviewed journal **Pharmaceutics; MPDI Group** (ISSN 1999-4923; CODEN: PHARK5).
- 7. 2018 – current Editorial Board Member, peer-reviewed journal **Frontiers in Pharmacology**, section Pharmacology of Anti-Cancer Drugs; **Frontiers group** (ISSN: 1663-9812 (Online)).
- 8. 2018 – 2020 Editorial Board Member, peer-reviewed journal **Current Drug Delivery; Bentham Group** (ISSN: 1875-5704 (Online); ISSN: 1567-2018 (Print)).
- 9. 2018 – current Editorial Board Member, peer-reviewed journal **Current Nanomedicine; Bentham Group** (ISSN: 2468-1881 (Online); ISSN: 2468-1873 (Print)).
- 10. 2018 – current Editorial Board Member, peer-reviewed journal **Sci; MPDI Group** (ISSN 2413-4155 (Online)).
- 11. 2019 – current Editorial Board Member, peer-reviewed journal **International Journal of Molecular Sciences; MPDI Group** (ISSN 1661-6596 (Online)).
- 12. 2019 – current Editorial Board Member, peer-reviewed journal **Frontiers in Bioengineering and Biotechnology**, section Nanobiotechnology; **Frontiers group** (ISSN: 2296-4185 (Online)).
- 13. 2019 – current Editorial Board Member, peer-reviewed journal **Frontiers in Oncology**, section Pharmacology and Anti-cancer Drugs; **Frontiers group** (ISSN: 2234-943X (Online)).
- 14. 2020 – current Editorial Board Member, peer-reviewed journal **Frontiers in Molecular Biosciences**, section Nanobiotechnology; **Frontiers group** (ISSN: 2296-889X (Online)).
- 15. 2020 – current Associate Editor, peer-reviewed journal **Frontiers in Medical Technology; Frontiers group** (ISSN: 2673-3129 (Online)).
- 16. 2020 – current Editorial Board Member, peer-reviewed journal **Analytica; MDPI Group** (ISSN: 2673-4532 (Online)).
- 17. 2021 – current Co-Editor, peer-reviewed journal **Current Drug Delivery; Bentham Group** (ISSN: 1875-5704 (Online); ISSN: 1567-2018 (Print)).
- 18. 2021 – current Editorial Board Member, peer-reviewed journal **International Journal of Bioprinting; WHIOCE group**; (ISSN: 2424-8002 (Online); ISSN: 2424-7723 (Print)).
- Altri titoli che contribuiscano a una migliore definizione del profilo scientifico:
- 1. 2015, Co-chair and president of committee organization board of Mini-Workshop "Rational Design of Polymeric Nanoconstructs for Drug Delivery and Imaging", University of Chieti – Pescara, "G. d'Annunzio", Chieti, Italy.
- 2. 2017, Committee board member and co-Chairs of section "Innovative nano carriers for drug delivery", Nanoinnovation, 26 – 29 September 2017, University of Rome "Sapienza", Rome, Italy.
- 3. 2020, Co-chair and president of committee organization board of 1st International Northern – Southern Europe Workshop in Nanomedicine, January 15 – 17, 2020, Chieti, Italy.
- 4. Fresta M. Paolino D. Molinaro R. **Celia C.** Sistemi vescicolari formati da bilayer asimmetrici a struttura doppia per la veicolazione di materiale genetico. Ns. rif. IPT-12906; 02/03/2018; AdR/ev; Brevetto N° 102015000060754; ITUB20154631A1, 2017-04-12.
- 5. **Celia C.** Cilurzo F. Cosco D. Fresta M. Paolino D. Sammarco G. Pasut G. "PEGilazione innovativa del killer TNF-apoptosis induced ligand (Killer-Trail)" Brevetto N°: IT201900024622A1. Published as: IT201900024622A1, 2021-06-18.
- 6. **Celia C.** Cilurzo F. Cosco D. Fresta M. Paolino D. Sammarco G. Pasut G. PEGylation of a Trail ligand. Priorities: IT201900024622A1:2019-12-18. Application: IB2020062211W:2020-12-18. Publication: WO2021124266A1:2021-06-24. Patent Cooperation Treaty Application, Published as: WO2021124266A1.
- 7. **Celia C.** Cilurzo F. Cosco D. Fresta M. Paolino D. Pasut G. Domanda di brevetto nazionale "Pro-drug innovativo micellare su backbone polimerico del Killer TNF-apoptosis induced ligand". Brevetto N°

IT202000004846. Published as: IT202000004846A1, 2021-09-06.

8. **Celia C.** Cilurzo F. Cosco D. Fresta M. Paolino D. Pasut G. Domanda di brevetto nazionale n. 102020000013042 dell'01/06/2020 "Sistema liposomiale con Killer TNF-apoptosis induced ligand (KillerTRAIL), pro-apoptotico-direzionante". Pending decision before approval.

9. **Celia C.** Cilurzo F. Cosco D. Fresta M. Paolino D. Pasut G. "Liposomal system with Killer TNF-apoptosis induced ligand (KillerTRAIL), pro-apoptotic-directing" Priorities: IT202000013042A·2020-06-01; Application: IB2021054787W·2021-06-01; Publication: WO2021245547A1·2021-12-09; Patent Cooperation Treaty Application, Published as: WO2021245547A1.

Data

firma

Chieti, 14 ottobre 2022
