

PERSONAL INFORMATION **Diego Romano Perinelli**

ACTUAL POSITION

Post-Doc Researcher in Pharmaceutical Technology at the School of Pharmacy, University of Camerino, Via G. III da Varano 62032 Camerino (Italy).

EDUCATION AND TRAINING

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- 07/2017-09/2017 **Visiting Post-Doc researcher**
School of veterinary medicine-University College Dublin (UCD), Dublin (Ireland)
Project: " Ex vivo evaluation of the intestinal permeability enhancing effect of sugar based surfactants" (Supervisor Prof. Brayden D.)
- 07/2016-09/2016 **Visiting Post-Doc researcher**
School of Pharmacy- University of Lincoln, (UK)
Project: "Effect of rhamnolipids on epithelial permeability of macromolecular drugs". (Supervisor Dr Vllasaliu D.)
- 07/2015-09/2015 **Visiting Post-Doc researcher**
School of Pharmacy- University of Lincoln, (UK)
Project: " Toxicological profile of surfactants derived from alanine and serine" (Supervisor Dr. Vllasaliu D.)
- 02/2012-02/2015 **Ph.D in "Pharmaceutical Sciences"**
obtained from the School of Advanced Studies- University di Camerino, Camerino, Italy.
Title of the dissertation: "Physical-chemical characterisation of nanostructured drug delivery systems" (Supervisor Prof. Palmieri G.F.).
- 18/09/2014-24/09/2014 **Internship at "Institute Laue-Langevin (ILL)"**
Grenoble (Francia)

- 05/2014-06/2014 **Visiting Ph.D student**
 King's College London, UK
 Project: Characterization of the self-assembling properties of amino acid-based surfactants through SANS measurements" Supervisor. Prof. Lawrence J.)
- 10/2013-12/2013 **Visiting Ph.D student**
 Li Ka Shing Faculty of Medicine University of Hong Kong
 Project: "Assessment of biocompatibility of amino acid-based surfactants" (Supervisor. Dr. Lam J.K).
- 06/2012-10/2012 **Visiting Ph.D student**
 Critical Pharmaceutical and School of Chemistry- University of Nottingham, Nottingham (UK)
 Erasmus placement Project: "Preparation and characterization of microparticles through sCO2 (PGSS technique) by using di-and-tri-block copolymers" (Supervisor: Naylor A.)
- 09/2010-11/2011 **Master degree in Industrial Pharmacy (Chemistry and pharmaceutical technology)**
 obtained from the University of Camerino with full marks (110/110) cum laude. Final dissertation in pharmaceutical technology entitled "Caratterizzazione preliminare di un sistema BSA/Polossamero 407 per il rilascio di metotrexato ("Preliminary characterisation of a BSA/Poloxamer 407 system for the release of metotrexate") (Supervisors: Dr. Bonacucina G. and Dr. Pucciarelli S.).
- 10/2005-04/2010 **Master degree in Pharmacy**
 obtained from the University of Camerino with full marks (110/110) cum laude. Final dissertation in medicinal chemistry entitled "Sintesi e valutazione biologica di derivati nucleosidici purinici N6 e C2/N6 sostituiti modificati nella porzione ribosidica" ("Synthesis and biological evaluation of N6 and C2/N6 purinic derivatives modified in the riboside moiety") (Relatori Prof. Cappellacci L. and Dr. Petrelli R.)
- 2001-2006 **Graduated Diploma in Pianoforte**
 obtained from the "Conservatorio di Musica" (Music academy) "G. Venosa" (Potenza, Italy)
- 09/2000-07/2005 **High school diploma**
 obtained from "Liceo scientifico P. Ruffini (Viterbo, Italy)

PERSONAL SKILLS

Mother tongue Italiano

Other language

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C1	C2	C2

Research fields	<p>Formulation and characterisation of drug delivery systems: micro-, nanoparticles, microemulsions, micelles, liposomes and thermo-sensitive hydrogels.</p> <p>Formulation and characterization of traditional solid and liquid dosage forms.</p> <p>Synthesis and chemical physical and biological characterisation of surfactants for pharmaceutical applications.</p>
Experimental techniques	<p>Thermal analysis (DSC, microDSC, TGA, DMA); Rheology (rotational rheometer); Spectroscopy: UV-vis, fluorescence, acoustic spectroscopy, circular dichroism, neutron spectroscopy), Tensiometry. Particle Size (Dynamic light scattering, SEM, TEM, laser diffraction). Optical and polarised microscopy. <i>In vitro</i> release study. Chemical synthesis of peptides and surfactants. <i>In vitro</i> cytotoxicity studies (MTT e LDH assay). TEER, <i>in vitro</i> and <i>ex vivo</i> permeability studies.</p>
Softwares/Databases	<p>MS Office, Chem Draw, Graph Pad, Origin Lab, EndNote, Mendley, PubMed, Scopus, Sci Finder, Reaxys, ISI WoS.</p>
Lectures	<p>Lecture (2 hours) “Uno sguardo critico alle medicine non convenzionali: l'esempio dell'omeopatia” for the pharmaceutical technology course (Master degree in Industrial pharmacy programme) in the years 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019.</p> <p>Lecture (2 hours) “Uno sguardo critico alle medicine non convenzionali: l'esempio dell'omeopatia for the pharmaceutical dosage forms course (Informazione scientifica sul farmaco degree programme) in the years 2014, 2015, 2016, 2017, 2018, 2019.</p> <p>Lecture (2 hours) “Metodi di caratterizzazione del processo di self-assembling dei tensioattivi” for the pharmaceutical technology course (Master degree in Industrial pharmacy programme) in the years 2016, 2017, 2018.</p> <p>Lecture (2 hours) “Neutron Spectroscopy: an overview”. High performance Bioanalytical methods course (Master degree in Biological Sciences) in the years 2015, 2016, 2017, 2018, 2019.</p>
Co-supervisor	<p>32 final dissertations for students in Pharmacy and Industrial Pharmacy master degree programme.</p>
Peer-review activity for international scientific Journals	<p>RSC advances, Journal of applied polymer science, Molecules, Polymers, Marine Drugs, Membranes, Applied Sciences, Pharmaceutics, International Journal of Pharmaceutics.</p>
Professional membership	<p>SCI, ADRI TELF, EUCHIS, APS, SCI, SISN, itPS, EUFEPS, CRS, AAPS, A.It.U.N.</p>
Summer School	<p>Giornate Didattiche SISN (Società italiana spettroscopia neutronica) S.Giovanni in Valle Aurina 12-17 September 2014 and Grenoble (Institute Laue-Langevin ILL) 18-23 September 2014</p> <p>AIM (Associazione Italiana macromolecole) Summer School- Caratterizzazione di materiali polimerici - Tecniche per polimeri in soluzione “Methods for the characterization of polymers in solution May 19-23, 2014 Gargnano(BS) (Italy)</p> <p>3rd SoMaS School - Polymer at interfaces – annual summer school- July 7-12, 2013 (Mittelwhir, France)</p>
Fellowships	<p>“Erasmus Placement” fellowship (4 months from July to October 2012) at “Critical Pharmaceuticals” Ltd. Nottingham (UK) and The University of Nottingham. Project: “Preparation and characterization of microparticles through sCO₂ (PGSS technique) by using di-and-tri-block copolymers” (Supervisor Naylor A.).</p>

Non-EU countries fellowship (3 months from October to December 2013) at "The University of Hong Kong" Li Ka Shing Faculty of Medicine. Project: "Assessment of biocompatibility of amino acid-based surfactants" (Supervisor: Dr. Lam J.K.).

Research project investigator

2017 Proposal as principal-investigator for beam time for the Neutron scattering facility @ ISIS Oxford (UK), with "Investigation on the structural properties of doxorubicin-loaded PEGylated liposomes (Doxil®)" Instrument: SANS2D.

2017 Proposal as Co-investigator for beam time for the Neutron scattering facility @ ISIS Oxford (UK), with "Investigation on the air-water adsorption behaviour of N-acyl amino acid surfactants". Instrument: SURF.

2016 Proposal as Co-investigator for beam time for the Neutron scattering facility @ ISIS Oxford (UK), with "Interaction of amino acid based biosurfactants with model lipid bilayers". Instrument: SURF

2016 Proposal as Co-investigator for beam time for the Neutron scattering facility @ ISIS Oxford (UK), with "Self-assembling behaviour of N-acyl amino acid-based surfactants". Instrument: LOQ

Awards

Best Poster award 3 rd Place EUFEPS Annual meeting 2018 Crossing Barriers for Future Medicines 24-26/05/2018 Titania Hotel, Athens, Greece.

2018 Outstanding Reviewer Award Pharmaceutics MDPI (Basel, Switzerland)

**Author-level metrics
(Source: Scopus)**

h-index: 9

Total citations: 204

**INTERNATIONAL PEER-
REVIEWED JOURNAL PAPER**

37) **Perinelli D.R.**, Petrelli D., Vitali L.A., Bonacucina G., Cespi M., Vllasaliu D., Giorgioni G., Palmieri G.F. Quaternary Ammonium Leucine-Based Surfactants: The Effect of a Benzyl Group on Physicochemical Properties and Antimicrobial Activity Pharmaceutics 2019, 11, 287; doi:10.3390/pharmaceutics11060287.

36) **Perinelli D.R.**, Cespi M., Bonacucina G., Palmieri G.F. PEGylated polylactide (PLA) and poly (lactic-co-glycolic acid) (PLGA) copolymers for the design of drug delivery systems J. Pharm. Investig. (2019). <https://doi.org/10.1007/s40005-019-00442-2>

35) **Perinelli D.R.**, Petrelli D., Vitali L.A., Vllasaliu D., Cespi M., Giorgioni G., Elmowafy E., Bonacucina G., Palmieri G.F. Quaternary ammonium surfactants derived from leucine and methionine: Novel challenging surface active molecules with antimicrobial activity Journal of Molecular Liquids Volume 283, 1 June 2019, Pages 249-256

34) **Perinelli D.R.**, Cespi M., Rendina F., Bonacucina G., Palmieri G.F., Effect of the concentration process on unloaded and doxorubicin loaded liposomal dispersions International Journal of Pharmaceutics, Volume 560, April 2019, Pages 385-393.

33) Schoubben A., Vivani R., Paolantoni P., **Perinelli D.R.**, Gioiello A., Macchiarulo A., Ricci M. D-leucine microparticles as an excipient to improve the aerosolization performances of dry powders for inhalation European Journal of Pharmaceutical Sciences Volume 130, March 2019, Pages 54-64.

32) Cappellacci L., **Perinelli D.R.**, Maggi F., Grifantini M., Petrelli R. Recent Progress in Histone Deacetylase Inhibitors as Anticancer Agents Current Medicinal Chemistry DOI: 10.2174/0929867325666181016163110

31) **Perinelli D.R.**, Bonacucina B., Cespi M., Bonazza F., Palmieri G. F., Pucciarelli S., Polzonetti V,

Attarian L., Polidori P., Vincenzetti S.; A comparison among β -caseins purified from milk of different species: self-assembling behaviour and immunogenicity potential *Colloids and Surfaces B: Biointerfaces* Volume 173, January 2019, Pages 210-216

30) Pippa N., **Perinelli D.R.**, Pipas G, Bonacucina G., Demetzos C., Forsyd A., Trzebocka B. Studying the colloidal behavior of chimeric liposomes by cryo-TEM, micro-differential scanning calorimetry and high-resolution ultrasound spectroscopy *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, Volume 555, October 2018, Pages 539-547.

29) Lucarini S., Fagioli L., Cavanagh R., Liang W., **Perinelli D.R.**, Campana M., Stolnik S., Lam J.K.W., Casettari L., Duranti A. Synthesis, Structure–Activity Relationships and In Vitro Toxicity Profile of Lactose-Based Fatty Acid Monoesters as Possible Drug Permeability Enhancers *Pharmaceutics* 2018, 10, 81.

28) Rosi Cappellani M., **Perinelli D.R.**, Pescosolido L., Schoubben A., Cespi M., Cossi R., Blasi P. Injectable nanoemulsions prepared by high pressure homogenization: processing, sterilization, and size evolution *Applied Nanoscience* Volume 8, August 2018, Pages 1483–1491.

27) **Perinelli D.R.**, Campana R., Skouras A., Bonacucina G., Cespi M., Mastrotto F., Baffone W. and Casettari L. Chitosan loaded into a hydrogel delivery system as a strategy to treat vaginal co-infection *Pharmaceutics - Volume 10*, March 2018, Pages 23-30.

26) **Perinelli D.R.**, Fagioli L., Campana R., Lam J.K.W., Baffone W., Palmieri G.F., Casettari L. and Bonacucina G. Chitosan-based nanosystems and their exploited antimicrobial activity *European Journal of Pharmaceutical Sciences - Volume 117*, May 2018, Pages 8-20.

25) Vincenzetti S., Cecchi T., **Perinelli D.R.**, Pucciarelli S., Polzonetti V., Bonacucina G., Ariana A., Parrocchia L., Spera D.M., Ferretti E., Vallesi P., Polidori P., Effects of freeze-drying and spray-drying on donkey milk volatile compounds and whey proteins stability *LWT - Food Science and Technology* Volume 88, February 2018, Pages 189-195.

24) Bisharat L., Berardi A., **Perinelli D.R.**, Bonacucina G., Casettari L., Cespi M., AlKhatib H.S., Palmieri G.F.; Aggregation of zein in aqueous ethanol dispersions: Effect on cast film properties *International Journal of Biological Macromolecules* Volume 106, January 2018, Pages 360-368.

23) **Perinelli D.R.**, Lucarini S., Fagioli L., Campana R., Vllasaliu D., Duranti A., Casettari L.; Lactose oleate as new biocompatible surfactant for pharmaceutical applications *European Journal of Pharmaceutics and Biopharmaceutics* Volume 124, March 2018, Pages 55-62.

22) **Perinelli D.R.**, Cespi M., Bonacucina G., Rendina F., Palmieri G.F. Heating treatments affect the thermal behaviour of doxorubicin loaded in PEGylated liposomes Pages 55–62 *International Journal of Pharmaceutics* Volume 534, Issues 1–2, 20 December 2017, Pages 81-88.

21) **Perinelli D.R.**, Vllasaliu D., Bonacucina G., Come B., Pucciarelli S., Ricciutelli M., Cespi M., Itri R., Spinozzi F., Palmieri G.F.; Casettari L. Rhamnolipids as epithelial permeability enhancers for macromolecular therapeutics *European Journal of Pharmaceutics and Biopharmaceutics*-Volume 119, October 2017, Pages 419-425.

20) **Perinelli D.R.**, Cespi M, Pucciarelli S, Vincenzetti S, Casettari L, Lam JKW, Logrippo S, Canala E, Soliman ME, Bonacucina G, Palmieri GF. Microemulsions for protein delivery: loading optimization and stability. *Curr Pharm Biotechnol.* 2017 Jul 10;18 (5): 410-421.

19) Bisharat L., **Perinelli D.R.**, Berardi A., Bonacucina G., Logrippo S., Elhajji F.W.D., Cespi M., Palmieri G.F. Influence of Testing Parameters on In Vitro Tramadol Release from Poloxamer Thermogels using the Immersion Cell Method *AAPS PharmSciTech* October 2017, 18, 7, 2706-2716.

18) Cespi M., Quassinti L., **Perinelli D.R.**, Bramucci M., Iannarelli R., Papa F., Ricciutelli M., Bonacucina G., Palmieri G.F. and Maggi F. Microemulsions enhance the shelf-life and processability of *Smyrnium olusatrum* L. Essential oil Flavour and fragrance journal Volume 32, May 2017 Pages 159–164.

- 17) **Perinelli D.R.**, Cespi M., Casettari L., Vllasaliu D., Cangiotti M., Ottaviani M.F., Giorgioni G., Bonacucina G. and Palmieri G.F. Correlation among chemical structure, surface properties and cytotoxicity of N-acyl alanine and serine surfactants European Journal of Pharmaceutics and Biopharmaceutics – Volume 109, December 2016, Pages 93-102.
- 16) Ciandrini E., Campana R., Casettari L., **Perinelli D.R.**, Fagioli L., Manti A., Palmieri G.F., Papa S. and Baffone W. Characterization of biosurfactants produced by *Lactobacillus* spp. and their activity against oral streptococci biofilm Applied Microbiology and Biotechnology - Volume 100, Issue 15, August 2016, Pages 6767-6777.
- 15) Bonacucina G., **Perinelli D.R.**, Cespi M., Casettari L., Cossi R., Blasi P., Palmieri G.F. Acoustic spectroscopy: a powerful analytical method for the pharmaceutical field? International Journal of Pharmaceutics - Volume 503, Issue 1-2, April 2016, Pages 174-195.
- 14) Bonacucina G., Logrippo S., Ganzetti R., Polidori C., Cespi M., Marziali A., Ricciutelli M., Casettari L., **Perinelli D.R.**, Sestili M. and Palmieri G.F. Chemical and microbiological stability studies of an aqueous solution of pravastatin sodium salt for drug therapy of the dysphagic patients European Journal of Hospital Pharmacy -Volume 23, Issue 5, September 2016, Pages 288-293.
- 13) **Perinelli D.R.**, Casettari L., Cespi M., Fini F., Man D.K.W., Giorgioni G., Canala S., Lam J.K.W., Bonacucina G. and Palmieri G.F. Chemical-physical properties and cytotoxicity of N-decanoyl amino acid-based surfactants: effect of polar heads Colloids and Surfaces A: Physicochemical and Engineering Aspects -Volume 492, March 2016, Pages 38–46
- 12) **Perinelli D.R.**, Cespi M., Bonacucina G., Naylor A., Whitaker M., Lam J.K.W., Howdle S.M., Casettari L. and Palmieri G.F. PEGylated biodegradable polyesters for PGSS microparticles formulation: processability, physical and release properties Current Drug Delivery - Volume 13, 2016, Pages 673-681.
- 11) Martarelli D., Casettari L., Shalaby K.S, Soliman M.E., Cespi M., Bonacucina G., Fagioli L., **Perinelli D.R.**, Lam J.K.W., Palmieri G.F. Optimization of melatonin dissolution from extended release matrices using artificial neural networking. Current drug delivery -Volume 13, Issue 4, 2016, Pages 565-573.
- 10) Casettari L., Bonacucina G., Cespi M., **Perinelli D.R.**, Micheli M., Cacciatore I., Di Stefano A., Palmieri G.F. Effect of manufacturing temperature and molecular weights on compression, mechanical and dissolution properties of PEOs matrix tablets Journal of Drug Delivery Science and Technology - Volume 32, Part B, April 2016, Pages 236-240.
- 9) Casettari L., Bonacucina G., Morris G.A, **Perinelli D.R.**, Lucaioli P., Cespi M., Palmieri G.F. Dextran and its potential use as tablet excipient Powder Technology Volume 273, March 2015, Pages 125–132
- 8) **Perinelli D.R.**, Bonacucina G, Pucciarelli S, Cespi M, Casettari L, Polzonetti V, Carpi FM, Palmieri GF. Could Albumin Affect the Self-Assembling Properties of a Block Co-polymer System and Drug Release? An In-Vitro Study. Pharm Res., Volume 32, March 2015, Pages 1094-1104.
- 7) Cespi M., **Perinelli D.R.**, Casettari L., Bonacucina G., Caporicci G., Rendina F., Palmieri GF. Use of in-die powder densification parameters in the implementation of process analytical technologies for tablet production on industrial scale International Journal of Pharmaceutics Volume 477, 2014, Pages: 140–147.
- 6) Cespi M, Bonacucina G, Pucciarelli S, Cocci P, **Perinelli D.R.**, Casettari L, Illum L, Palmieri GF, Palermo FA, Mosconi G Evaluation of thermosensitive poloxamer 407 gel systems for the sustained release of estradiol in a fish model. European Journal of Pharmaceutics and Biopharmaceutics Volume 88, 2014, Pages 954–961.
- 5) Signorello L, Pucciarelli S, Bonacucina G, Polzonetti V, Cespi M, **Perinelli D.R.**, Palmieri GF, Pettinari R, Pettinari C, Fiorentini G, Vincenzetti S. Quantification, microbial contamination, physico-chemical stability of repackaged bevacizumab stored under different conditions. Curr Pharm Biotechnol. Volume 15, 2014; Pages 113-119.
- 4) **Perinelli D.R.**, Bonacucina G, Cespi M., Naylor A., Whitaker M., Palmieri G.F., Giorgioni G., Casettari L. Evaluation of P(L)LA-PEG-P(L)LA as processing aid for biodegradable particles from gas saturated solutions (PGSS) process International Journal of Pharmaceutics - Volume 468, April 2014,

Pages 250-257.

3) Cespi M., Casettari L., Palmieri G.F, **Perinelli D.R.**, Bonacucina G. Rheological characterization of polyvinyl caprolactam-polyvinyl acetate-polyethylene glycol graft copolymer (Soluplus®) water dispersions Colloid and Polymer Science, Volume 292, January 2014 pages 235-241.

2) Cespi M., Casettari L., Bonacucina G., Giorgioni G., **Perinelli D.R.**, Palmieri G.F. Evaluation of PEG-PLA di-block copolymers as additive in hypromellose film coating Polymers for Advanced Technologies November Volume 24, 2013, pages 1018–1024.

1) **Perinelli D.R.**, Cespi M., Pucciarelli S., Casettari L., Palmieri G.F, Bonacucina G. Effect of phosphate buffer on the micellization process of poloxamer 407: microcalorimetry, acoustic spectroscopy and dynamic light scattering studies Colloids and Surfaces A: Physicochemical and Engineering Aspects Volume 436, September 2013, Pages 123–129.

BOOK CHAPTER

1) Perinelli D.R., Bonacucina G. (2019) Methodological Approaches for the Characterization of the Self-assembling Behaviour in the Pharmaceutical Field In: Demetzos C., Pippa N. (eds) Thermodynamics and Biophysics of Biomedical Nanosystems. Series in BioEngineering. Springer, Singapore.

2) **Perinelli D.R.**, Cespi M., Bonacucina G. (2019) Nanostructures of chemical biodegradable polymers and their derivatives for encapsulation of food ingredients in: Seid Mahdi Jafari (ed) Biopolymer Nanostructures for Food Encapsulation Purposes, Elsevier

CONFERENCE PROCEEDINGS

ORAL COMMUNICATION IN INTERNATIONAL CONFERENCES

11) **Perinelli D.R.** Investigation on the self-assembling behaviour of amino acid based surfactants: effect of polar heads ESC 2019 17th European Student Colloid Conference 18-22 June 2019, Varna (Bulgaria).

10) **Perinelli D.R.** Amino acid based surfactants: A class of amphiphiles with potential applications in the pharmaceutical field International Pharma research and drug delivery summit 10-12 June 2019, Brussel (Belgium).

9) **Perinelli D.R.**, New insight regarding the chemical-physical characterization of liposomal formulations: the case of Doxil® EUFEPS annual meeting 2019 6-8 March 2019 Frankfurt am Main (Germany).

8) **Perinelli D.R.**, High-resolution ultrasonic spectroscopy as a powerful tool for the characterization of the self-assembling process in the pharmaceutical field International School and Conference on "High-resolution ultrasonic spectroscopy for analysis of biomolecular processes", Brno, Czech Republic, October 5–8, 2018.

7) **Perinelli D.R.** Amino acid and sugar-based surfactants: cytotoxicity profiles and permeability enhancing effect on mucosa BIT's 8th Annual International Symposium of Drug Delivery Systems-2018, 19-21 July S. Petersburg, Russia.

6) **Perinelli D.R.**, In vitro and in vivo investigation of N-acyl amino based surfactants as permeability enhancers EUFEPS Annual Meeting 2018 24-26 May 2018 Athens (Greece).

5) **Perinelli D.R.**, Transferring caseins from the nutraceutical to the pharmaceutical world: the case of β -casein self-assembling Alimenti e nutraceutici: qualità e salute del consumatore 4 July 2017, Camerino (Italy).

- 4) **Perinelli D.R.** Chitosan nanoparticles embedded hydrogels as a novel nanomedicine based-strategy for the treatment of vaginal infections EUCHIS conference 30 May-1 June 2017, Seville (Spain).
- 3) **Perinelli D.R.** Effect of amino acid-based surfactants on Caco-2 cell permeability of macromolecular drugs Young Scientist Satellite Conference PSWC, 19-21 May 2017, Uppsala (Sweden).
- 2) **Perinelli D.R.** Investigation on the thermal behavior of Doxorubicin sulphate nanocrystals in Doxil® liposomal formulation INTERNATIONAL SCHOOL OF NANOMEDICINE Course: "New Trends in Nanomedicine: Erice-Sicily 8 – 13 April 2017.
- 1) **Perinelli D.R.** N-Acyl Amino Acid Nanocarriers for Pharmaceutical Applications: Relation Between Surface Properties and Cytotoxicity Pharma+BioAsia 2016 Conference 28th–29th September 2016, Kuala Lumpur Convention Centre, Malaysia.

ABSTRACT O SHORT PAPERS

- 34) **Perinelli D.R.**, Cespi M., Bonacucina G., Casettari L., Palmieri G.F. How does hydrophobic/hydrophilic balance affect the thermogelling behaviour of PLGAPEG-PLGA copolymers? 9th International Colloids Conference 2019, 16-18 June 2019 Sitges (Spain).
- 33) **Perinelli D.R.**, Cespi M., Bonacucina G., Palmieri G.F. Wet granulation for the preparation of phospholipid based solid oral dosage forms, 3rd European Conference on Pharmaceutics, Bologna, 2019.
- 32) **Perinelli D.R.**, Bonacucina G., Cespi M., Palmieri G.F. Acoustic spectroscopy as an alternative technique for the characterization of self-assembling nanomaterials, 3rd European Conference on Pharmaceutics, Bologna, 2019.
- 31) **Perinelli D.R.**, Petrelli D., Vitali L.A., Bonacucina G., Cespi M. Proprietà antimicrobiche e citotossicità di tensioattivi cationici derivati da amminoacidi XII Congresso Società Italiana di Microbiologia Farmaceutica 21-22 June 2018 Camerino (Italy)
- 30) **Perinelli D.R.**, Antimo Gioiello, Antonio Macchiarulo, Maurizio Ricci, Aurélie Schoubben Production of a new excipient for dry powders for inhalation: the case of D-leucine EUFEPS Annual Meeting 2018 24-26 May 2018 Athens (Greece).
- 29) Logrippo S., Qi, S, Bonacucina G., Cespi M., Pavoni L., **Perinelli D.R.**, Palmieri G.F. Pravastatin-loaded orodispersible films for oral administration to dysphagic patients 11th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology 19-22 March 2018 Granada (Spain).
- 28) **Perinelli D.R.**, Mario Campana, James Douth, Ishwar Singh, Driton Vllasaliu, Luca Casettari PEGylation induces conformational changes in the self-assembling behavior of amphiphilic octapeptides 11th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology 19-22 March 2018 Granada (Spain)
- 27) **Perinelli D.R.**, Giulia Bonacucina, Marco Cespi, Liu Dazhi, Stefania Pucciarelli, Silvia Vincenzetti and Valeria Polzonetti Nutritional aspects of rice starch composition: analysis of varieties consumed in Italy Alimenti e nutraceutici: qualità e salute del consumatore 4 July 2017, Camerino (Italy).
- 26) **Perinelli D.R.**, Raffaella Campana, Giulia Bonacucina, Marco Cespi, Giovanni Filippo Palmieri and Luca Casettari Chitosan nanoparticles embedded hydrogels as a novel nanomedicine based-strategy for the treatment of vaginal infections EUCHIS conference 30 May-1 June 2017, Seville (Spain).
- 25) **Perinelli D.R.**, Giulia Bonacucina, Marco Cespi, Luca Casettari, Giovanni Filippo Palmieri Investigation on the thermal behaviour of doxorubicin sulphate nanocrystals in Doxil® liposomal formulation PSWC conference, 21-23 May 2017, Stockholm (Sweden).

- 24) **Perinelli D.R.**, Serena Logrippo, Lucia Pavoni, Stefania Pucciarelli, Marco Cespi, Giulia Bonacucina, Giovanni Filippo Palmieri. PLGA-based microparticles as a new system for the toxicological studies of phthalates 11th A.It.U.N. Annual Meeting May 2017 Padova (Italy).
- 23) L. Fagioli, **Perinelli D.R.**, S. Logrippo, G. Bonacucina, M. Cespi, G. F. Palmieri and L. Casettari Mucoadhesive hydrogel loaded with nanoparticles for the vaginal release of saquinavir mesylate INTERNATIONAL SCHOOL OF NANOMEDICINE Course: "New Trends in Nanomedicine: Erice-Sicily 8 – 13 April 2017
- 22) Benedetta Come, **Perinelli D.R.**, Rosangela Itri, Paolo Mariani, Francesco Spinozzi, Giovanni Filippo Palmieri Interactions of amino acid-based surfactants with cell membranes: a study using GUV model, ECIS 30th Conference of The European Colloid and Interface Society Rome, 4-9 September, 2016.
- 21) Lorina Bisharat, Alberto Berardi, Giulia Bonacucina, Luca Casettari, Serena Logrippo, **Perinelli D.R.**, Marco Cespi, Hatim S. AlKhatib, Giovanni F. Palmieri Effect of aggregation properties of Zein dispersions on film preparation Alimenti funzionali e nutraceutici per la salute, 28 June 2016, Camerino (Italy).
- 20) Matteo Sestili, Serena Logrippo, Marco Cespi, Letizia Ferrara, Roberta Ganzetti, Giulia Bonacucina, Paolo Blasi, **Perinelli D.R.**, Laura Fagioli, Luca Casettari, Giovanni Filippo Palmieri, Clinical risk management related to drug therapy in dysphagic patients 56° Simposio AFI June 2016 Rimini (Italy)
- 19) **Perinelli D.R.**, Alberto Berardi, Lorina Bisharat, Serena Logrippo, Laura Fagioli, Lucia Pavoni, Giada Ceccarelli, Hatim S. AlKhatib, Controlling tramadol release using zein based matrices, 10th A.It.U.N. Annual Meeting May 2016 Parma (Italy).
- 18) L. Casettari, Mahmoud E Soliman, Karim S Shalaby, G. Bonacucina, M. Cespi, L. Fagioli, **Perinelli D.R.** and G. F. Palmieri Noscapine loaded biodegradable nanoparticles to treat breast cancer April 2016 - 10th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology- Glasgow (UK)
- 17) **Perinelli D.R.**, Filippo Rendina, Marco Cespi, Giulia Bonacucina, Serena Logrippo, Luca Casettari, and Giovanni F. Palmieri Acoustic spectroscopy for the characterization of doxorubicin-loaded liposomes April 2016 - 10th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology- Glasgow (UK)
- 16) **Perinelli D.R.**, Giulia Bonacucina, Driton Vllasaliu, Marco Cespi, Luca Casettari, Serena Logrippo and Giovanni F. Palmieri N-acyl amino acids as a new class of permeability enhancers: in vitro study on Caco-2 cells April 2016 - 10th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology- Glasgow (UK)
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