

PERSONAL INFORMATION

Diego Romano Perinelli

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Gender Male | Date of birth 10/10/1987 | Nationality Italian

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

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/Poloxamer 407 per il rilascio di metotrexato" ("Preliminary characterisation of a BSA/Poloxamer 407 system for the release of metotrexate")(Supervisors: Dr. Bonacucina G. e 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. e Dr. Petrelli R.)

2001-2006

Graduated Diploma in Pianoforte

obtained from the "Conservatorio di Musica" (Music accademy) "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

Formulation and characterisation of drug delivery systems: micro-, nanoparticles, microemulsions, micelles, liposomes and thermo-sensitive hydrogels.
 Formulation and characterization of traditional solid and liquid dosage forms.
 Synthesis and chemical physical and biological characterisation of surfactants for pharmaceutical applications.

Experimental techniques

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. *In vitro* release study. Chemical synthesis of peptides and surfactants. *In vitro* cytotoxicity studies (MTT e LDH assay). TEER, *in vitro* and *ex vivo* permeability studies.

Softwares/Databases

MS Office, Chem Draw, Graph Pad, Origin Lab, EndNote, Mendley, PubMed, Scopus, Sci Finder, Reaxys, ISI WoS.

Lectures

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.

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.

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.

Lecture (2 hours) "Neutron Spectroscopy: an overview". High performance Bioanalytical methods course (Master degree in Biological Sciences) in the years 2015, 2016, 2017, 2018.

Co-supervisor

28 final dissertations for students in Pharmacy and Industrial Pharmacy master degree programme.

Peer-review activity for international scientific Journals

RSC advances, Journal of applied polymer science, Molecules, Polymers, Marine Drugs, Membranes, Applied Sciences, Pharmaceutics, International Journal of Pharmaceutics.

Professional membership

SCI, ADRITELF, EUCHIS, APS, SCI, SISN, itPS, EUFEPS, CRS.

Summer School

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

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)

3rd SoMaS School - Polymer at interfaces – annual summer school- July 7-12, 2013 (Mittelwhir, France)

Fellowships

"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.).

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

INTERNATIONAL PEER-REVIEWED JOURNAL PAPER

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, 1 January 2019, Pages 210-216

30) Pippa N., **Perinelli D.R.**, Pipas G., Bonacucina G., Demetzos C., Forsd 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, 20 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 August 2018, Volume 8, Issue 6, pp 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, Issue 1, 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., Ariania 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, Issue 3 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, Issue 5, 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.**, Lucaoli 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. (2015) Mar;32 (3):1094-104
- 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 477 (2014) 140–147
- 6) Cespi M., Bonacucina G., Pucciarelli S., Coccia 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 88 (2014) 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. 2014; 15 (2):113-9.
- 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, Issue 1-2, 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, Issue 1, 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 2013 Volume 24, Issue 11, 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, 5 September 2013, Pages 123–129

CONFERENCE PROCEEDINGS

ORAL COMMUNICATION IN INTERNATIONAL CONFERENCES

- 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 Maggio 2018 Atene (Grecia).
- 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.

ABSTRACTS OF SHORT PAPERS

- 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 Maggio 2018 Atene (Grecia).
- 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 Doutch, Ishwar Singh, Triton Villasaliu, 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 Spinazzi, 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 managment related to drug therapy in disphagic 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 Villasaliu, 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)
- 15) **Perinelli D.R.**, L. Fagioli, S. Logrippo, G. Bonacucina, M. Cespi, G. F. Palmieri and L. Casettari Formulation and characterization of a mucoadhesive hydrogel loaded with nanoparticles for the vaginal administration of metronidazole December 2015 - Scuola di Nanomedicina - Bari (Italy)
- 14) Matteo Sestili, Serena Logrippo, Giovanni Filippo Palmieri, Roberta Ganzetti, Giulia Bonacucina, Marco Cespi, **Perinelli D.R.**, Luca Casettari, Laura Fagioli Confronto tra le cinetiche di rilascio della pravastatina sodica in compresse semplici e in compresse disperse in acqua gelificata October 2015 - XXXVI Congresso Nazionale SIFO - Catania (Italy)

- 13) Manfroni S., Bonacucina G., Casettari L., De Mattia C., Antinori, E., Franchino, V., **Perinelli D.R.**, Logrippo S., Cespi M.*., Blasi P., Palmieri G.F., Torregiani E. Dynamic Mechanical Analysis of 3D printed (fused deposition modelling) PLA September 2015 - European Symposium on Biopolymers - Roma (Italy).
- 12) Rajabnezhad S., Logrippo S., **Perinelli D.R.**, Casettari L., Palmieri G.F. Nanoemulsioni per la veicolazione di indometacina September 2015 - XV PhD Summer School in Pharmaceutical Technology - Salerno (Italy).
- 11) Cespi M., Bonacucina G., Casettari L., Perinelli R.F., **Perinelli D.R.**, Logrippo S., Fagioli L. and Palmieri G.F. Experimental factors affecting drug release from gel using VanKel (ENHANCER®) cells 55° Simposio AFI June 2015 Rimini (Italy)
- 10) **Perinelli D.R.**, Bonacucina G., Pucciarelli S., Cespi M., Casettari L., Canala E., Logrippo S., Fagioli L. and Palmieri G.F. Protein loading capacity, effect of pH and storage temperature on the stability of a water/ethyl oleate/Span 80-Tween 80 ternary system 55° Simposio AFI June 2015 Rimini (Italy)
- 9) **Perinelli D.R.**, Casettari L., Cespi M., Fini F., Man K.W., Giorgioni G., Canala S., Lam J.K.W., Bonacucina G. and Palmieri G.F. Toxicological profiles and surface properties at physiological pH of N-decanoyl amino acids 9th A.I.t.U.N. Annual Meeting May 2015 Milano (Italy).
- 8) Cespi M., Bonacucina G., Pucciarelli S., Coccia P., **Perinelli D.R.**, Casettari L., Illum L., Palmieri G.F., Palermo F.A. and Mosconi G. Thermosensitive HYDROGEL system for sustained release of estradiol in a fish model November 2014 IT-CRS Workshops Firenze (Italy)
- 7) Redondo L., Casettari L., **Perinelli D.R.**, Cespi M., Bonacucina G., Palmieri G.F., Jiménez P., Girbés T., García V., Cordoba-Díaz D., Cordoba-Díaz M. Mucoadhesive particles with enhancing intestinal absorption capacity as drug delivery platform for vitamin E November 2013 - X Spanish-Portuguese Conference on Controlled Drug Delivery - Valencia (Spain)
- 6) **Perinelli D.R.**, Casettari L., Cespi M., Bonacucina G., Naylor A., Howdle S., Palmieri G.F. Use of block copolymers to produce biodegradable particles from gas saturated solutions (PGSS) process September 2013 - 3° Conference Innovation in Drug Delivery Advances in Local Drug Delivery - Pisa (Italy)
- 5) **Perinelli D.R.**, Pucciarelli S., Bonacucina G., Cespi M., Casettari L., Palmieri G.F. Effect of BSA on methotrexate release from POLOXAMER 407 hydrogel September 2013 - 3° Conference Innovation in Drug Delivery Advances in Local Drug Delivery - Pisa (Italy)
- 4) **Perinelli D.R.**, Bonacucina G., Cespi M., Pucciarelli S., Casettari L., Palmieri G.F., Optimization of ternary systems based on water/ethyl oleate/Span 80-Tween 80 July 2013 - 3rd SoMaS School Polymers at Interfaces - Mittelwihr (France)
- 3) Cespi M., Bonacucina G., **Perinelli D.R.**, Casettari L., Palmieri G.F. Caratterizzazione reologica di dispersioni acquose di Soluplus® June 2013 - 53° Simposio AFI -Rimini (Italy)
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Dati personali Autorizzo il trattamento dei miei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali".