

Curriculum Vitae



Maria Chountoulesi

Pharmacist, MSc, PhD Student

Laboratory of Pharmaceutical Nanotechnology,

Department of Pharmacy,

School of Health Sciences,

National and Kapodistrian University of Athens

Personal Details

Name- Surname:	Maria Chountoulesi
Title:	Pharmacist, MSc, PhD Student
Affiliation:	Euristhenous 1, Zografou, Athens
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Phone:	6974661577
Date of Birth:	21/12/1992
Nationality:	Hellenic

Academic Qualifications

2010-2015	Degree of Pharmacy, Department of Pharmacy, School of Health Sciences, National and Kapodistrian University of Athens, Greece (<i>Degree: 8,69/10 "Excellent"</i>)
2015	License of Pharmaceutical Profession, Ministry of Health, Athens, Greece
2015-2017	Master Degree (M.Sc.) in Pharmaceutical Technology: “Industrial Pharmaceutics”, Department of Pharmacy, School of Health Sciences, National and Kapodistrian University of Athens, Greece (<i>Degree: 9,63/10 "Excellent"</i>)
2017-today	PhD Student in Laboratory of Pharmaceutical Nanotechnology, Section of Pharmaceutical Technology, Department of Pharmacy, School of Health Sciences, National and Kapodistrian University of Athens, Greece

Practical Training

July 2014-September 2014, January 2015-June 2015	Practical Training at pharmacy store
October 2014-December 2014	Practical Training at the pharmacy of the hospital "Agios Savvas"

July 2016

Practical Training at the Pharmaceutical company "Pharmathen", sector "Research and Development"

Research Interests

Pharmaceutical Nanotechnology

- Design and development of drug delivery nanosystems
- Preparation of liposomes, lyotropic liquid crystalline nanoparticles and chimeric systems
- Physicochemical, morphological and thermodynamic characterization
- Drug loading and release studies

Publications in Peer-reviewed Journals

1. The significance of drug-to-lipid ratio to the development of optimized liposomal formulation. **Maria Chountoulesi**, Nikolaos Naziris, Natassa Pippa, Costas Demetzos, Journal of Liposome Research, 2017, In Press.
2. Design and development of pH-sensitive liposomes by evaluating the thermotropic behavior of their chimeric bilayers. Aimilia Kyrili, **Maria Chountoulesi**, Natassa Pippa, Anastasia Meristoudi, Stergios Pispas, and Costas Demetzos, Journal of Thermal Analysis and Calorimetry, 2017; 127(2): 1381-1392.
3. The modulation of physicochemical characterization of innovative liposomal platforms: The role of the grafted thermoresponsive polymers. **Maria Chountoulesi**, Aimilia Kyrili, Natassa Pippa, Anastasia Meristoudi, Stergios Pispas, Costas Demetzos, Pharmaceutical Development and Technology, 2017; 22(3): 330-335.
4. Calorimetric study on pH-responsive block copolymer grafted lipid bilayers: Rational design and development of liposomes. Natassa Pippa, **Maria Chountoulesi**, Aimilia Kyrili, Anastasia Meristoudi, Stergios Pispas, Costas Demetzos, Journal of Liposome Research, 2016; 26(3): 211–220.

Poster Presentations in International Conferences

1. Rational development and characterization of chimeric pH-sensitive liposomes as novel carriers of dimethoxycurcumin. **Maria Chountoulesi**, Nikolaos Naziris, Natassa Pippa, Anastasia Meristoudi, Stergios Pispas, Costas Demetzos. In: ILS Liposome Advances and Liposome Research Days Combined Conference: Progress in Liposomal Drug and Vaccine Delivery, 16-18 September 2017, Royal Olympic Hotel, Athens, Greece.
2. Design, preparation and evaluation of chimeric pH-sensitive liposomes incorporating dimethoxycurcumin. **Maria Chountoulesi**, Nikolaos Naziris, Natassa Pippa, Anastasia Meristoudi, Stergios Pispas, Costas Demetzos. In: 3rd International Congress of the Greek Local Chapter of the CRS (Controlled Release Society), 19-20 June 2017, Titania Hotel, Athens, Greece.
3. The effect of grafted thermoresponsive polymers on the physicochemical characteristics of chimeric liposomal platforms. Aimilia Kyrili, **Maria Chountoulesi**, Natassa Pippa, Anastasia Meristoudi, Stergios Pispas, Costas Demetzos. In: Liposomes in Drug and Vaccine Delivery, 19-22 December 2015, UCL School of Pharmacy, London, UK.
4. Calorimetric results of pH-responsive grafted lipid bilayers may contribute to rational design and investigation of pH-sensitive liposomes. **Maria Chountoulesi**, Aimilia Kyrili, Natassa Pippa, Anastasia Meristoudi, Stergios Pispas, Costas Demetzos. In: Liposomes in Drug and Vaccine Delivery, 19-22 December 2015, UCL School of Pharmacy, London, UK.
5. The modulation of physicochemical characterization of chimeric liposomes: The role of the thermoresponsive grafted polymers. Aimilia Kyrili, **Maria Chountoulesi**, Natassa Pippa, Anastasia Meristoudi, Stergios Pispas, Costas Demetzos. In: IXth Joint Meeting in Medicinal Chemistry, 7-10 June 2015, Athens, Greece.

Poster Presentations in Greek Conferences

1. The utility of the drug-to-lipid ratio at the optimization of the liposomal formulation. **Maria Chountoulesi**, Nikolaos Naziris, Natassa Pippa, Costas

- Demetzos. In: Conference on Bio-Medical Instrumentation and related Engineering and Physical Sciences (BIOMEPEP 2017), 12-13 October 2017, Department of Biomedical Engineering, TEI of Athens, Greece.
2. Design, preparation and characterization of chimeric pH-sensitive liposomes incorporating dimethoxycurcumin. **Maria Chountoulesi**, Nikolaos Naziris, Natassa Pippa, Anastasia Meristoudi, Stergios Pispas, Costas Demetzos. In: 18th National Pharmaceutical Congress, 6-8 October 2017, Zappeion, Athens, Greece.
 3. From calorimetric results of pH-responsive block copolymer grafted lipid bilayers to rational design and investigation of pH-responsive liposomes. Aimilia Kyrili, **Maria Chountoulesi**, Natassa Pippa, Anastasia Meristoudi, Stergios Pispas, Costas Demetzos. In: 10th Anniversary Conference of the Hellenic Society for Biomaterials, 26-28 November 2015, National Hellenic Research Foundation (NHRF), Athens, Greece.
 4. The modulation of physicochemical characterization of chimeric liposomes: The role of the thermoresponsive grafted polymers. **Maria Chountoulesi**, Aimilia Kyrili, Natassa Pippa, Anastasia Meristoudi, Stergios Pispas, Costas Demetzos. In: 17th National Pharmaceutical Congress, 8-11 October 2015, War Museum, Athens, Greece.

Oral Presentations in Greek Conferences

1. Developing therapeutic drug delivery nanosystems from different lyotropic liquid crystalline mesophases. **Maria Chountoulesi**, Natassa Pippa, Nektarios Tavernarakis, Stergios Pispas, Costas Demetzos. In: Symposium of Nanotechnology in Health Science, 21 January 2018, Megaron, Athens, Greece.

Awards

1. *Best Poster Presentation*: The modulation of physicochemical characterization of chimeric liposomes: The role of the thermoresponsive grafted polymers. **Maria Chountoulesi**, Aimilia Kyrili, Natassa Pippa, Anastasia Meristoudi, Stergios

Pispas, Costas Demetzos. In: 17th National Pharmaceutical Congress, 8-11 October 2015, War Museum, Athens, Greece.

Teaching experience

1. Assistant in lab training of undergraduate students in the lab of Pharmaceutical Technology, Section of Pharmaceutical Technology, Department of Pharmacy, School of Health Sciences, National and Kapodistrian University of Athens (Director: Prof. Costas Demetzos) (2016- today).

Thesis

Diploma thesis title: «Design and physicochemical characterization of thermoresponsive block copolymer grafted liposomes» (*grade: 10/10*)

Master thesis title: «Rational design, development and evaluation of chimeric pH-sensitive liposomes with incorporated dimethoxycurcumin» (*grade 10/10*)

Continuing Professional Development

1. ILS Liposome Advances and Liposome Research Days Combined Conference: Progress in Liposomal Drug and Vaccine Delivery, 16-18 September 2017, Royal Olympic Hotel, Athens, Greece.
2. 3rd International Congress of the Greek Local Chapter of the CRS (Controlled Release Society), 19-20 June 2017, Titania Hotel, Athens, Greece
3. "Bibliography as a power tool for sciences", Hellenic Pharmaceutical Society Workshop, 25 November 2016, National Hellenic Research Foundation (NHRF), Athens, Greece
4. 2nd Congress of Pharmacogenomics and Personalized Diagnosis and Therapy: From Evidence-based Cohort Medicine to Knowledge-based Personalized Medicine, 4-6 November 2016, Athens, Greece
5. 2nd International Congress of Controlled Release Society- Greek local chapter, 22-24 June 2016, Aegli Zappiou, Athens, Greece

6. 10th Anniversary Conference of the Hellenic Society for Biomaterials, 26-28 November 2015, National Hellenic Research Foundation (NHRF), Athens
7. 17th National Pharmaceutical Congress, 8-11 October 2015, War Museum, Athens
8. IXth Joint Meeting in Medicinal Chemistry, 7-10 June 2015, Athens, Greece
9. 1st International Congress of Controlled Release Society- Greek local chapter, 27-28 May 2015, Aegli Zappiou Athens, Greece
10. 1st International Congress: From Drug Discovery to Drug Delivery, 13-15 November 2014, Athens, Greece
11. 2nd Congress of Pharmaceutical Sciences: From research to society, 9-11 October 2014, Patras
12. 1st Thematic Conference: "The Contribution of Gene Analysis in Predisposition, Diagnosis, Prognosis and Good Pharmacological Disease Approach", 2-3 March 2013, Athens

Membership of scientific societies

1. Member of Hellenic Pharmaceutical Society (H.P.S.)
2. Member of Hellenic Society of Nanotechnology in Health Sciences (HSnanoHs)

Skills

Languages	English: C2 Michigan Certificate of Proficiency in English German: B1 Zertifikat Deutsch Goethe Institut
Computer Knowledge	ECDL Core Certificate