

## CURRICULUM VITAE

### **Natassa Pippa**

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## EDUCATION

- Ph.D. in Pharmaceutical Nanotechnology, National and Kapodistrian University of Athens, Greece and Theoretical and Physical Chemistry Institute National Hellenic Research Foundation (2015)
- M.Sc. in Pharmaceutical Technology: "Industrial Pharmaceutics", School of Pharmacy, National and Kapodistrian University of Athens, Greece (2012)
- B.Sc. in School of Pharmacy, University of Athens, Greece (2005)

## PROFESSIONAL EXPERIENCE AND APPOINTMENTS

- 01/2016 – present: Research Associate, Theoretical and Physical Chemistry Institute, National Hellenic Research Foundation, Greece
- 10/2015 – 8/2016: Postdoctoral fellow, Scholarship from IKY-State Scholarships Foundation, Faculty of Pharmacy, Department of Pharmaceutical Technology, National and Kapodistrian University of Athens, Greece
- 12/2012 – 09/2015: Participation in Research Programme: Functional Self-assembled Nanostructures from Block Copolymers and Proteins (NANOMACRO), Theoretical and Physical Chemistry Institute, National Hellenic Research Foundation. Athens, Greece

## MAIN RESEARCH INTERESTS

- Pharmaceutical Nanotechnology
  - Preparation of liposomes, polymersomes, polyelectrolytes, nanoemulsions, dendrimers, micelles and mixed (chimeric) Drug Delivery nano Systems.
  - Drug loading and release studies
  - Protein/Peptide loading and release studies
  - Physicochemical and thermodynamic evaluation of nanoparticles
- Morphological characterization and Fractal Analysis of Drug Delivery nano Systems.
- Physical Pharmacy
- Pharmaceutical Compounding

## TEACHING EXPERIENCE

- Assistant in lab training of undergraduate students in the lab of Pharmaceutical Technology, Faculty of Pharmacy, University of Athens (2012- today)
- Scientific Assistant in Continuing Professional Development (CPD) in training practice in galenic and cosmetic exercises (Lab. of Pharmaceutical Technology, University of Athens) (June 2013- June 2015)

## PROFESSIONAL AFFILIATIONS & ACTIVITIES

- Member of Executive Committee of Hellenic Society of Thermal Analysis
- Member of European Federation of Pharmaceutical Sciences (EUFEPS)
- Member of Hellenic Pharmaceutical Society (H.P.S.)
- Member of Hellenic Society of Cosmetology
- Member of Hellenic Society of Medicinal Chemistry
- Member of Hellenic Society of Biomaterials

## AWARDS AND DISTINCTIONS

- **Best poster presentation award** for "*Design of multi-walled carbon nanotube –liposome drug delivery platforms: a thermodynamic approach*" at Therma 2016, Ioannina, Greece
- **Best poster presentation award** for "*Study on the physicochemical characteristics of innovative liposomal systems: the role of thermoresponsive liposomes.*" at 17<sup>th</sup> Panhellenic Pharmaceutical Congress, 2015, Athens, Greece
- **Award in Excellence of Applied Pharmaceutical Technology and post-doctoral research** dedicated to the memory "Kleon Tsetis", founder of the

Pharmaceutical Industry "Uni-Pharma" 2014-2015. This grant was awarded by Hellenic Pharmaceutical Society (HPS) for the period 2015-2016

- **Best poster presentation award** for "*Preparation, development and in vitro release evaluation of amphotericin B-loaded amphiphilic block copolymer vectors*" at Convention of the Hellenic Society of Biometerials, 2014, Athens, Greece
- **Award in Excellence of Applied Pharmaceutical Technology and one – year Scholarship** dedicated to the memory of "Kleon Tsetis", founder of the Pharmaceutical Industry "Uni-Pharma" 2014-2015. This grant was awarded by the Hellenic Pharmaceutical Society (HPS) for the period 2014-2015.
- **Best poster presentation award** for "*The metastable phases as modulators of functionality in chimeric liposomes.*" at Therma 2014, Larisa, Greece
- **Best poster presentation award** for "Physicochemical characterization of liposomal systems and fractal analysis of their morphology." at 1<sup>st</sup> Congress of Pharmaceutical Sciences, 2013, Athens, Greece

## CONFERENCES & PUBLICATIONS

12 international and 10 national conferences, 4 book chapters, 43 peer-reviewed publications.

## SELECTED PUBLICATIONS

1. "Polymer self-assembled nanostructures as innovative drug nanocarrier platforms", *N. Pippa, S. Pispas, C. Demetzos, Current Pharmaceutical Design* **22**, 2788 (2016).
2. "Complexation of cationic-neutral block polyelectrolyte with insulin and in vitro release studies", *N. Pippa, M. Karayianni, S. Pispas, C. Demetzos, International Journal of Pharmaceutics*, **491**,136 (2015).
3. "Insulin/Poly(ethylene glycol)-*block*-poly(L-lysine) Complexes: Physicochemical Properties and Protein Encapsulation", *N. Pippa, R. Kalinova, I. Dimitrov, S.Pispas, C.Demetzos, Journal of Physical Chemistry B*, **119**, 6813 (2015).
4. "Temperature-dependent drug release from DPPC:C12H25-PNIPAM-COOH liposomes: control of the drug loading / release by modulation of the nanocarriers' components", *N. Pippa, A. Meristoudi, S. Pispas, C. Demetzos, International Journal of Pharmaceutics*, **485**, 374 (2015).
5. "Preparation, development and in vitro release evaluation of Amphotericin B-loaded amphiphilic block copolymer vectors" *N. Pippa, M. Mariaki, S. Pispas, C. Demetzos, International Journal of Pharmaceutics*, **473**, 80 (2014).
6. "The shape/morphology balance: A study of stealth liposomes via fractal analysis and drug encapsulation", *N.Pippa, F. Psarommati, S. Pispas, C. Demetzos, Pharmaceutical Research*, **30**, 2385 (2013).