

## CURRICULUM VITAE

LYDIA GIANNOPOULOU

MSc Clinical Chemistry



### PERSONAL INFORMATION

**Nationality:** Greek

**Date of birth:** 9<sup>th</sup> May, 1988

**E-mail:** [lydia.giannopoulou@gmail.com](mailto:lydia.giannopoulou@gmail.com) & [giannop@chem.uoa.gr](mailto:giannop@chem.uoa.gr)

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### EDUCATION

**01/2015 - Today**

**Doctoral Student**

**National and Kapodistrian University of Athens**

Department of Chemistry

Analysis of Circulating Tumor Cells Laboratory (<http://www.actc-lab.chem.uoa.gr/>)

**PhD Dissertation:**

“Study of methylation biomarkers in ovarian cancer”

**Supervisor:** Evi Lianidou, Ph.D.

Professor of Analytical Chemistry – Clinical Chemistry

**36 months scholarship by State Scholarship Foundation of Greece (IKY),**  
starting date: 12/2016

**Course:** Analytical Chemistry

**10/2012 – 10/2014**

**MSc in Clinical Chemistry**

(<http://clinical-chemistry.chem.uoa.gr/>)

**National and Kapodistrian University of Athens**

Department of Chemistry

**Grade:** 9.78/10 (Excellent)

**Courses:** Clinical Chemistry I & II, Molecular Diagnostics, Instrumental Analysis, Molecular Biology, Human Genetics, Biostatistics-Chemometrics, Anatomy, Physiology

**10/2006 – 10/2012**

**BSc in Chemistry**

**National and Kapodistrian University of Athens**

Department of Chemistry

**Grade:** 7.21 (Very Good)

**09/2003 – 06/2006**

**Nea Penteli High School**

Grade: 18.9/20 (Excellent)

## PUBLICATIONS

- **L. Giannopoulou**, I. Chebouti, K. Pavlakis, S. Kasimir-Bauer, E.S. Lianidou. *RASSF1A* promoter methylation in high-grade serous ovarian cancer: a direct comparison study in primary tumors, adjacent morphologically normal tissues and paired circulating tumor DNA. *Oncotarget* 2017 Mar 28;8(13):21429-21443. doi: 10.18632/oncotarget.15249
- **L. Giannopoulou**, S. Kasimir-Bauer, E.S. Lianidou. Liquid Biopsy in ovarian cancer: recent advances on Circulating tumor cells and circulating tumor DNA. *Clin Chem Lab Med* 2017 Jul 28 pii: /j/cclm.ahead-of-print/cclm-2017-0019/cclm-2017-0019.xml. doi: 10.1515/cclm-2017-0019 (review)
- I. Diakogiannis, A. Berberi, E. Siapi, A. Arkoudi-Vafea, **L. Giannopoulou**, S. K.Mastronicolis. Growth and membrane fluidity of food-borne pathogen *Listeria monocytogenes* in the presence of weak acid preservatives and hydrochloric acid. *Front Microbiol* 2013 4, 1-4

## POSTER PRESENTATIONS

- **L. Giannopoulou**, A. Strati, P. Buderath, S. Kasimir-Bauer, E.S. Lianidou. *PD-L1* expression in circulating tumor cells of patients with high-grade serous ovarian cancer. Poster presentation, **3<sup>rd</sup> Advances in Circulating Tumor Cells (ACTC) Meeting**, Rhodes, Greece, 04-07 October 2017
- **L. Giannopoulou**, S. Mastoraki, A. Strati, I. Chebouti, S. Kasimir-Bauer, E.S. Lianidou. *ESR1* methylation in primary tumors and paired circulating tumor DNA of patients with high-grade serous ovarian cancer. Poster presentation, **3<sup>rd</sup> Advances in Circulating Tumor Cells (ACTC) Meeting**, Rhodes, Greece, 04-07 October 2017
- **L. Giannopoulou**, I. Chebouti, K. Pavlakis, S. Kasimir-Bauer, E.S. Lianidou. *RASSF1A* gene promoter methylation in primary tumors, adjacent morphologically normal tissues and plasma samples of patients with high grade serous ovarian cancer. Poster presentation, **22<sup>nd</sup> IFCC-EFLM Euromedlab**, Athens, Greece, 11-15 June 2017
- **L. Giannopoulou**, S. Mastoraki, A. Strati, I. Chebouti, S. Kasimir-Bauer, E.S. Lianidou. *ESR1* methylation in plasma cfDNA of patients with high-grade serous ovarian cancer. Poster presentation, **AACR 108<sup>th</sup> Annual Meeting**, Washington DC, 01-05 April 2017
- **L. Giannopoulou**, I. Chebouti, K. Pavlakis, S. Kasimir-Bauer, E.S. Lianidou. *RASSF1A* gene promoter methylation in primary tumors, adjacent morphologically normal tissues and plasma samples of patients with high grade serous ovarian cancer. Poster presentation, **AACR 107<sup>th</sup> Annual Meeting**, New Orleans, Louisiana, 16-20 April 2016
- **L. Giannopoulou**, I. Chebouti, K. Pavlakis, S. Kasimir-Bauer, E.S. Lianidou. *SOX17* gene promoter methylation in high-grade serous epithelial ovarian cancer. Poster presentation, **AACR 106<sup>th</sup> Annual Meeting**, Philadelphia, Pennsylvania, 18-22 April 2015

## ORAL PRESENTATION

- Presentation of the Postgraduate Studies Program on Clinical Chemistry, 2<sup>nd</sup> Students Seminar: Chemistry is everywhere, Department of Chemistry, 24 May 2013

## PROJECTS

### ➤ MSc in Clinical Chemistry:

**Master thesis:** “Study of *SOX17* and *CST6* genes methylation in ovarian cancer”, 10/2014

**National and Kapodistrian University of Athens**, Department of Chemistry  
Analysis of Circulating Tumor Cells Laboratory (<http://www.actc-lab.chem.uoa.gr/>)

**Supervisor:** Evi Lianidou, Ph.D., Professor of Analytical Chemistry – Clinical Chemistry

### **Other projects in MSc courses:**

- Molecular Diagnostics: ‘Next Generation Sequencing Technologies in the clinical lab ’, 02/2013
- Human Genetics: ‘Genetic Basis of Schizophrenia’, 09/2013

### ➤ BSc in Chemistry:

**Thesis:** “Growth and membrane fluidity of food-borne pathogen *Listeria monocytogenes* in the presence of weak acid preservatives and hydrochloric acid”, 06/2012

**Supervisor:** S. Mastronicolis, Ph.D., Professor of Food Chemistry

## INDEPENDENT COURSES

- **02/2017-04/2017:** e-learning course: ‘Epigenetic Control of Gene Expression’, University of Melbourne,  
Organizer: Coursera (<https://www.coursera.org/>)
- **01/2016-02/2016:** e-learning course: ‘Introduction to the Science of Cancer’, The Ohio State University,  
Organizer: Coursera (<https://www.coursera.org/>)
- **02/2013-06/2013, 12/2013-02/2014:** ‘Structure and Functioning of Key Diagnostic Laboratories in the modern hospital’,  
Organizer: Greek Society of Clinical Chemistry – Clinical Biochemistry

## SCIENTIFIC EXPERIENCE

**02/2014- today**      **Laboratory Assistant at National and Kapodistrian University of Athens :**  
Training of undergraduate students of Faculty of Chemistry and Faculty of Pharmacy in the course of “Clinical Chemistry”

**07/2013 – 10/2013**      **Chemist/Intern during the MSc in Clinical Chemistry:**  
**“Agios Savvas” Cancer Treatment Hospital**  
Biochemistry Laboratory, Blood Service, Microbiology Laboratory

- 03/2013 – 06/2013**      **Laboratory Assistant at National and Kapodistrian University of Athens :**  
 Training of undergraduate students of Faculty of Biology in the course of  
 “Analytical Chemistry”
- 02/2012 – 05/2012**      **Intern during the BSc in Chemistry:**  
**General Chemical State Laboratory**  
 Laboratory of Fats and Oils

## LABORATORY EXPERIENCE

### ➤ **Molecular Techniques :**

- Polymerase Chain Reaction (PCR), Methylation Specific PCR (MSP)
  - Real time PCR (Cobas z480, LightCycler Technology, Roche)
  - Methylation-Sensitive High-Resolution Melting Analysis (MS-HRMA)
  - Circulating Tumor Cells (CTCs) isolation from peripheral blood
  - DNA extraction from tissue and plasma samples
  - Sodium Bisulfite DNA treatment (DNA conversion)
  - Gel electrophoresis
  - Immunohistochemistry
- Automated analyzers for biochemical analyses and immunoassays: Roche, Abbott, Olympus, Siemens

## COMPUTING SKILLS

**In silico design of primers and probes**  
 (for PCR analyses)

PrimerPremier 5.0, MethPrimer

**SPSS 24.0**  
 (12/2016)

Educational seminar on SPSS Statistical analysis:  
 ‘Introduction to IBM SPSS Statistical analysis software  
 package: Basic issues on data processing and analysis’.  
 Athens, 05-06 December 2016

**ECDL Core**  
 (12/2010)

Concepts on IT, Using the computer and managing files,  
 Word processing, Information and communication,  
 Spreadsheets, Databases, Presentations

**Website Management**

Website management of the Postgraduate Studies Program on  
 Clinical Chemistry (<http://clinical-chemistry.chem.uoa.gr/>)  
 and Analysis of Circulating Tumor Cells Laboratory  
 (<http://www.actc-lab.chem.uoa.gr/>), using the TYPO3 Content  
 Management System (CMS)

## LANGUAGES

**English** | Certificate of Proficiency in English, University of Michigan, **C2**  
**French** | Diplôme d'études en langue française, **B2**

## ORGANIZATIONS

- American Association for Cancer Research (**AACR**), Associate Member, 02/2016-today
- Greek Society of Clinical Chemistry – Clinical Biochemistry (**GSCC-CB**), 2015-today
- Association of Greek Chemists (**AGC**), 2013 – today

## CONFERENCES & SEMINARS (selected)

- 2<sup>nd</sup> Symposium on Advances in Cancer Immunology and Immunotherapy, Athens, 2-4 November 2017
- **3<sup>rd</sup> International Symposium on Advances in Circulating Tumor Cells (ACTC), Rhodes, Greece, 4-7 October 2017**
- Masterclass on Tumor Biomarkers, Athens, 19-20 October 2017
- Masterclass on Immuno-Oncology, Athens, 16-17 June 2017
- **22<sup>nd</sup> IFCC-EFLM Euromedlab**, Athens, Greece, 11-15 June 2017
- Yearly update of advances in medical oncology, Athens, 5-6 May 2017
- **108<sup>th</sup> AACR Annual Meeting, Washington DC, USA, 01-05 April 2017**
- San Antonio Breast Cancer Symposium in Greece, Athens, 13-14 January 2017
- 2<sup>nd</sup> Symposium on Advances in Cancer Immunology and Immunotherapy, Athens, 15-17 December 2016
- 15<sup>th</sup> Symposium on New Molecules in Cancer Therapeutics, Athens, 11-12 November 2016
- Masterclass on Immuno-Oncology, Athens, 24-25 June 2016
- Yearly update of advances in medical oncology, Athens, 27-28 May 2016
- Masterclass on Tumor Biomarkers, Athens, 12-13 May 2016
- **10<sup>th</sup> ISMRC International Symposium on Minimal Residual Cancer: Liquid Biopsy in Cancer Diagnostics and Treatment, Hamburg, Germany, 19-21 March 2016**
- 7<sup>th</sup> Seminar on Clinical and Research Oncology, Athens, 21-23 January 2016
- 1<sup>st</sup> Conference on Therapeutic Development in Oncology, Athens, 15-16 January 2016
- 14<sup>th</sup> Symposium on New Molecules in Cancer Therapeutics, Athens, 4 December 2015
- Advances in cancer immunology and immunotherapy, Athens, 30-31 October 2015
- 3<sup>rd</sup> National forum: Biosciences and Cancer: from prevention to treatment, Athens, 16-17 October 2015
- Masterclass on Tumor Biomarkers, Athens, 12-13 June 2015
- Masterclass on Immuno-Oncology, Athens, 21-22 May 2015
- Advanced Course in Pathology of Ovarian Tumors, Athens, 28 April 2015
- Masterclass on circulating tumor cells and molecular biomarkers, Crete, 15-17 December 2014
- 12<sup>nd</sup> National Congress of Clinical Chemistry, Athens, 7-8 November 2014
- **2<sup>nd</sup> International Symposium on Advances in Circulating Tumor Cells (ACTC), Crete, Greece, 8-11 October 2014**
- Hereditary Cancer Syndromes, Athens, 12-13 September 2014
- INsPiRE International Workshop on: Oncogenic Pathways and Antitumor Responses, Athens, 23-25 April 2014
- 64<sup>th</sup> National Conference of the Hellenic Society of Biochemistry and Molecular Biology, Athens, 6-8 December 2013
- 12<sup>th</sup> Symposium on New Molecules in Cancer Therapeutics, Athens, 18-19 October 2013
- 2<sup>nd</sup> National forum: Biosciences and Cancer: from prevention to treatment, Athens, 11-12 October 2013
- Scientific forum: Hereditary Breast Cancer, Athens, 21 September 2013
- Meeting on Biomarker Discovery, BRFAA, Athens, 10 May 2013
- 10<sup>th</sup> National Congress of Clinical Chemistry, Athens, 19-20 October 2012
- Symposium of the Greek Society of Clinical Chemistry-Clinical Biochemistry for the International Year of Chemistry, Athens, 11-12 November 2011
- 9<sup>th</sup> National Congress of Clinical Chemistry, Athens, 7-9 October 2010