



# Curriculum Vitae

## Cleo Parisi

PhD Chemistry, MSc Clinical Chemistry

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### Personal information

Date of Birth: 04/10/1984


Place of Birth: Athens, Greece

Citizenship Status: Citizen of Greece


### Education

 **02/2011 – 12/2016:** PhD, Analysis of Circulating Tumor Cells Laboratory (ACTC Lab), Department of Analytical Chemistry, Faculty of Chemistry, School of Science, National and Kapodistrian University of Athens (NKUA)


**Dissertation** (written in English language): Development and clinical evaluation of methods for the molecular characterisation of Circulating Tumour Cells (CTCs) – Supervisor: Prof. Evi S. Lianidou

 **09/2008 – 09/2010:** MSc Clinical Chemistry, Faculty of Chemistry, School of Science, NKUA


**Thesis:** Development and evaluation of analytical methodology for the expression of Vascular Endothelial Growth Factor (VEGF) splice variants by liquid bead microarray technology – Supervisor: Prof. Evi S. Lianidou


 **09/2002 – 05/2008:** BSc, Faculty of Chemistry, School of Science, NKUA


**Thesis:** Comparison of cardiac markers at automated immunological analysers – Supervisor: Prof. Evi S. Lianidou, co-supervisor: Asst Prof. Christos Kroupis


 **1996 – 2002:** High School, École Franco-Hellénique Saint-Paul, Piraeus, Greece


### Employment

 **09/2017 – 10/2017:** member of the Organising Committee of "Athens Marathon. The Authentic" as assistant at the Volunteer Programme


 **02/2015 – 08/2015:** Clinical Chemist in ACTC Lab, performing analyses for the detection of micrometastasis in breast cancer patients using qPCR for biomarker CK19


 **01/2014 – 01/2015:** Research associate in Laboratoire des Cellules Circulantes Rares Humaines (LCCRH), Institut de Médecine Régénératrice et de Biothérapie (IRMB), Centre Hospitalier Régional Universitaire (CHRU), Montpellier, France, in the context of the "TRANSCAN" funded project "Circulating Tumour Cells as Biomarker for Minimal Residual Disease in Prostate Cancer (CTC – SCAN)" and his exchange programmes

 **09/2007 – 07/2008:** Research assistant in Laboratory of Biochemistry, University General Hospital "ATTIKON"




 **02/2007 – 06/2007:** Internship for undergraduates of Faculty of Chemistry: Laboratory of Biochemistry, University General Hospital "ATTIKON"

### Teaching experience

 **2010 – 2013, 2015 – 2016:** Assistant in Laboratory of Clinical Chemistry, Faculty of Chemistry, training of undergraduate students of Faculty of Chemistry and Faculty of Pharmacy in the subject of "Clinical Chemistry"

 **2009 – 2011:** Assistant in Laboratory of Analytical Chemistry, Faculty of Chemistry, training of undergraduate students of Faculty of Biology in the subject of "Analytical Chemistry"

### Laboratory techniques and skills

-  Isolation of Circulating Tumour Cells (CTCs) from peripheral blood
-  CTCs enrichment techniques (positive and negative selection)
-  CellSearch® system

- ✓ Isolation of nucleic acids (DNA, RNA) from biological samples, and circulating nucleic acids (cfDNA, ctDNA, miRNAs) from plasma
- ✓ DNA sodium bisulfite treatment (conversion)
- ✓ PCR, Multiplex PCR, Methylation Specific PCR (MSP)
- ✓ Real-time PCR (LightCycler Technology, LC 480)
- ✓ Liquid bead microarray technology (xMAP® – Luminex® 200™)
- ✓ Cancer cell lines culture
- ✓ EPISPOT (EPithelial immunoSPOT) technique
- ✓ ELISA
- ✓ Automated biological analysers
- ✓ Quality control

## Computer Skills

- 🖥️ Very good knowledge of Microsoft Office, ChemBioOffice, BIOVIA Draw, GraphPad Prism, and statistical software SPSS (up to version 24.0)
- 🖥️ *In silico* design of PCR primers and probes (Primer Premier 5.0, FastPCR)
- 🖥️ Good knowledge of Content Management System (CMS) TYPO3 and management of websites [www.actc-lab.chem.uoa.gr](http://www.actc-lab.chem.uoa.gr) and [epikouros.chem.uoa.gr](http://epikouros.chem.uoa.gr)

## Publications ( [orcid.org/0000-0002-2907-4025](https://orcid.org/0000-0002-2907-4025))

1. **Parisi C.** and E.S. Lianidou *Enumeration and molecular analysis of CTCs in metastatic disease: The breast cancer model*. book chapter in *Liquid Biopsies in Solid Tumors*, Cancer Drug Discovery and Development series, Springer International Publishing AG, 2017
2. **Parisi, C.** et al. *Development and validation of a multiplex methylation specific PCR-coupled liquid bead array for liquid biopsy analysis*. Clin Chim Acta. 2016 Aug 7;461:156-164.
3. **Parisi C.**, Markou A. and Lianidou E. S. *Development of a multiplexed PCR-coupled liquid bead array assay for vascular endothelial growth factor (VEGF) splice variants*. Clin Biochem. 2012 Apr;45(6):475-82.
4. Strati A., Kasimir-Bauer S., Markou A., **Parisi C.** and Lianidou ES. *Comparison of three molecular assays for the detection and molecular characterization of circulating tumor cells in breast cancer*. Breast Cancer Res. 2013 Mar 7;15(2):R20.
5. Strati A., Markou A., **Parisi C.**, et al. *Gene expression profile of circulating tumor cells in breast cancer by RT-qPCR*. BMC Cancer. 2011 Oct 4;11:422.
6. Efstathiou S., Skeva I., Dimas C., Panagiotou A., **Parisi K.**, et al. *Smoking cessation increases serum adiponectin levels in an apparently healthy Greek population*. Atherosclerosis August 2009,205 (2):632-636

## Invited Lectures

*Methylation status study of tumour suppressor and metastasis suppressor genes promoters in liquid biopsy samples using a MSP-coupled liquid bead array technology*, Conference of Clinical and Translational Oncology, 11/2016, Herakleion, Crete, Greece

## Oral Presentations

C. Parisi, A. Markou, A. Strati and E. S. Lianidou *Development of a multiplexed RT-PCR-coupled liquid bead array assay for the molecular characterisation of CTCs*, 10<sup>th</sup> National Conference of Clinical Chemistry, Athens, Greece

## Selected Posters in International Meetings

1. **C. Parisi** et al. *Development and application of a Multiplex Methylation Specific PCR (MMSP)-coupled liquid bead array assay for the study of the methylation status of tumour suppressor and metastasis suppressor genes*, 10<sup>th</sup> ISMRC meeting, Hamburg, 2016
2. **C. Parisi** et al. *Development of a multiplex Methylation Specific PCR (MSP)-coupled liquid bead array assay for the study of the methylation status of tumour suppressor and metastasis suppressor genes*, ACTC Meeting 2014, Rethymno, Greece
3. **C. Parisi** et al. *Development of a multiplexed RT-PCR-coupled liquid bead array assay for the molecular characterisation of CTCs*, AACR 103<sup>rd</sup> Annual Meeting 2013, doi: 10.1158/1538-7445.am2013-1462 / ACTC Meeting 2012, Athens, Greece / Planet X MAP 2012, Monaco

4. **C. Parisi** et al. *Development and evaluation of a liquid bead array assay for the expression of VEGF<sub>121</sub>, VEGF<sub>165</sub> and VEGF<sub>189</sub> splice variants in Non-Small Cell Lung Cancer (NSCLC)*, AACR 102<sup>nd</sup> Annual Meeting 2011 / Planet X MAP Multiplexing Congress, Vienna, Austria
5. **C. Parisi** et al. *Expression of  $\alpha+\beta+$  splice variant of human telomerase reverse transcriptase (hTERT) in cytokeratin 19 (CK-19) positive circulating tumour cells (CTCs) of breast cancer patients*, AACR 101<sup>st</sup> Annual Meeting 2010, doi: 10.1158/1538-7445.am10-lb-63

## Awards

### 1. Best poster presentation award

C. Parisi, A. Markou, M. Chimonidou and E. S. Lianidou *Development of a multiplex Methylation Specific PCR (MSP)-coupled liquid bead array assay for the study of the methylation status of tumour suppressor and metastasis suppressor genes*, 12<sup>th</sup> National Conference of Clinical Chemistry, Athens, Greece

### 2. 2<sup>nd</sup> award for oral presentation

C. Parisi, A. Markou, A. Strati and E. S. Lianidou *Development of a multiplexed RT-PCR-coupled liquid bead array assay for the molecular characterisation of CTCs*, 10<sup>th</sup> National Conference of Clinical Chemistry, Athens, Greece




## Conferences – Meetings – Seminars attended

- ▶ Masterclass on Immunooncology 2016, Athens, Greece
- ▶ 10<sup>th</sup> International Symposium on Minimal Residual Cancer (ISMRC), Hamburg, Germany
- ▶ Masterclass on Tumor Biomarkers 2015, Athens, Greece
- ▶ ACTC Meeting 2014, Herakleion, Crete, Greece
- ▶ 9<sup>th</sup> ISMRC, Athens, Greece
- ▶ 10<sup>th</sup> National Conference of Clinical Chemistry, Athens, Greece
- ▶ ACTC Meeting 2012, Athens, Greece
- ▶ Planet X MAP Multiplexing Congress, Vienna, Austria
- ▶ 9<sup>th</sup> National Conference of Clinical Chemistry, Athens, Greece
- ▶ 7<sup>th</sup> ISMRC, Athens, Greece
- ▶ 7<sup>th</sup> National Conference of Cancer Markers and Targeted Therapy, Athens, Greece
- ▶ 33<sup>rd</sup> FEBS Congress & 11<sup>th</sup> IUBMB Conference, Athens, Greece
- ▶ XVI Meeting of Balkan Clinical Laboratory Federation & 7<sup>th</sup> National Conference of Clinical Chemistry, Athens, Greece
- ▶ 6<sup>th</sup> National Conference of Clinical Chemistry, Athens, Greece
- ▶ 1<sup>st</sup> National Conference of Cardiometabolic Risk Factors, Loutraki, Greece
- ▶ BRFAA seminar: Statistical data manipulation in the biomedical field, 2008
- ▶ Webinars focusing on trending research topics and techniques (e.g. immunotherapy, personalised medicine, exosomes, single-cell analysis, ddPCR, NGS, CRISPR, bioinformatics)

## Professional Memberships

- Member of Greek Association of Clinical Chemistry – Clinical Biochemistry
- Member of Association of Greek Chemists
- **09/2013 – 08/2014**: Vice President of the Association of MSc and PhD students of Faculty of Chemistry, National and Kapodistrian University of Athens, "Epicurus"
- **09/2012 – 08/2013**: President of the Association of MSc and PhD students of Faculty of Chemistry, National and Kapodistrian University of Athens, "Epicurus"

## Foreign Languages

-  **English**, Level: Very good (First Certificate in English, University of Cambridge)
-  **French**, Level: Excellent (Diplôme de Langue et Littérature Françaises, 2<sup>ème</sup> degré, Université de Paris – Sorbonne)
-  **German**, Level: Good (Zentrale Mittelstufenprüfung, Goethe – Institut)

## References

Evi Lianidou, Professor of Analytical Chemistry – Clinical Chemistry, ACTC Lab, Department of Chemistry, NKUA  
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Catherine Alix – Panabières, Associate Professor, Director of LCCRH, Montpellier, France  
**Tel:** 0033 411759931, **e-mail address:** c-panabieres@chu-montpellier.fr

Christos Kroupis, Assistant Professor, Medical School, NKUA  
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