

CURRICULUM VITAE



Evi S. Lianidou, Ph.D.

***Assoc. Professor of Clinical Analysis
Department of Chemistry
University of Athens
University Campus, 15771 Athens, Greece.
Tel: (30210)7274 319, Fax: (30210)7274 750
e-mail: lianidou@chem.uoa.gr***

TABLE OF CONTENTS

	Page
Date and Place of Birth	3
Family status	3
Elementary education	3
Citizenship Status	3
Degrees	3
Present Position	3
Previous Positions	3
Society Memberships	4
Attendance of advanced workshops and postgraduate courses	4
Experience in Education	4
Undergraduate Courses	4
Postgraduate Courses	5
Organization of Scientific meetings and workshops	5
Journal Referee	6
Direction of PhD Theses	6
Direction of MSc Theses	7
The Research Laboratory of Dr. Evi S. Lianidou (Nov 2008)	9
Research Grants	9
Invited lectures	11
Patents	13
List of Publications	13
Original Research Papers	14
Awards in International Meetings	20
Abstracts presented in International Meetings	21
Abstracts presented in Greek Meetings	31

Date and Place of Birth

22 December 1960, Athens, Greece

Family status

Married, 2 children (15yrs, 18yrs)

Elementary education

Elementary and High School in Athens, Greece, Graduation June 1978.

Citizenship Status

Citizen of Greece

Degrees

Year	Degree	Institution
1978-1983	B.Sc.	Chemistry, Department of Chemistry, University of Athens, Greece
1983 - 1988	Ph.D.	Analytical Chemistry, Department of Chemistry, University of Athens, Greece

Present Position

Assoc. Professor of Clinical Analysis
Department of Chemistry
University of Athens

Previous Positions

Dates	Position held	Institution
1983 - 1988	Postgraduate Student	Department of Chemistry, University of Athens, Greece
1988- 1989	Postdoctoral Research Fellow	Department of Chemistry, University of Athens, Greece
1989 -1990	Postdoctoral Research Fellow	Department of Clinical Biochemistry, Toronto Hospital, University of Toronto, Canada. (Prof. E.P.Diamandis)
1990 -1996	Lecturer	Department of Chemistry, University of Athens, Greece
1996-1997	Postdoctoral Research Fellow	Department of Pathology and Clinical Biochemistry, Mount Sinai Hospital, University of Toronto, Canada.(Prof. E.P.Diamandis)
1997-2004	Assistant Professor	Department of Chemistry, University of Athens, Greece
2004 - now	Assoc. Professor	Department of Chemistry, University of Athens, Greece

Society Memberships

1983	Greek Chemist's Association
1990	Greek Association of Clinical Chemistry - Clinical Biochemistry
1999	Hellenic Society of Biochemistry and Molecular Biology
2000	American Association of Cancer Research

Attendance of advanced workshops and postgraduate courses

June 2005	Critical Issues in Tumor microcirculation, angiogenesis and metastasis	Harvard Medical School, Dept of Cont Education, Cambridge, MA, USA
June 2001	Eurobiochips. The microarray and microfluidics technology congress	Munich Germany
June 2001	Eurobiochips. Nucleic Acid and Protein sample preparation	Munich Germany
November 1999	Genome Sequence and comparative analysis	Advanced Workshop (European Commission, Biotechnology Program), Aristotle University of Thessalonica, Greece
1996-1997.	Molecular Biology Techniques	Postgraduate course, University of Toronto, Canada
April 1992	Advanced Euro HPLC Training Course and Workshop	University of Patras, Greece
1989-1990	Immunoassays	Postgraduate course, University of Toronto, Canada

Experience in Education

1. Undergraduate Courses, Department of Chemistry, University of Athens, Greece

1990-2001	Taught "Qualitative and Quantitative Analytical Chemistry" to 3 rd Semester Pharmacy students
2002-now	Taught "Principles of Quantitative Analytical Chemistry and Instrumental Analysis" to 2 nd Semester Biology students

1996-now	Taught “Clinical Chemistry”, to 8 th Semester Chemistry Students
2003-now	Taught “Clinical Chemistry”, to 3 rd Semester Pharmacy Students.

2. Postgraduate Course: “M.Sc. in Clinical Chemistry” Department of Chemistry, University of Athens, Greece

Coordinator since 2005 of the “M.Sc. in Clinical Chemistry” Post Graduate Program, offered by the Department of Chemistry, University of Athens, since 1994.

2000-now	Coordinator and Teacher of a graduate course entitled: “Molecular Biology – Molecular Diagnostics”
2000-now	Teacher of a graduate course entitled: “Instrumental methods of Analysis in Clinical Chemistry”
2000-now	Coordinator and Teacher of a graduate course entitled: “Clinical Chemistry”

3. Postgraduate Course: “M.Sc. in Clinical Biochemistry – Molecular Diagnostics” offered by the Departments of Biology, Chemistry, and Nursing of the University of Athens, Greece

- Departmental Representative in the “M.Sc. in Clinical Biochemistry – Molecular Diagnostics” Post Graduate Program, offered by the Departments of Biology, Chemistry, and Nursing, University of Athens, which started in 2004.

2004-now	Teacher of a graduate course entitled: “Molecular Diagnostics Techniques”
2004-now	Coordinator and Teacher of a graduate course entitled: “Biochemical and Biophysical Methods of Analysis”
2004-now	Coordinator and Teacher of a graduate course entitled: “Clinical Chemistry”

Organization of Scientific meetings and Workshops

Date	Position	Description	Location
Sept 16-19, 2009	Chairman and Organizer	7 th International symposium on Minimal Residual Cancer, www.ismrc2009.org	Athens, Greece
Oct 2008	Scientific Committee	XVI meeting of Balkan Clinical Laboratory Federation & Hellenic Congress of Clinical Chemistry	Athens, Greece
Nov 2006	Scientific Committee	6 th Greek Congress of Clinical Chemistry–Clinical Biochemistry	Athens, Greece
Nov 2006	Coordinator and Organizer	Workshop on: “Molecular Diagnostics of Cancer”, during the 6 th Greek Congress of Clinical Chemistry–Clinical Biochemistry	Athens, Greece

Nov 2004	Scientific Committee	5 th Greek Congress of Clinical Chemistry–Clinical Biochemistry	Athens, Greece
Nov 2002	Scientific Committee	4 th Greek Congress of Clinical Chemistry–Clinical Biochemistry	Athens, Greece
Nov 2000	Scientific Committee	3 rd Greek Congress of Clinical Chemistry–Clinical Biochemistry	Athens, Greece
2000	Coordinator and Organizer	Workshop on: “ Basic Principles of Molecular Diagnostics Techniques” (Workshop of the Greek Society of Clinical Chemistry – Clinical Biochemistry)	Athens, Greece
Nov 1998	Scientific Committee	2 nd Greek Congress of Clinical Chemistry	Athens, Greece

Journal Referee

- 1) Clinical Chemistry
- 2) Clinical Biochemistry
- 3) Clinica Chimica Acta
- 4) Clin Chem Lab Investigation
- 5) Cancer Research
- 6) Clinical Cancer Research
- 7) Journal of Clinical Oncology
- 8) Analytical Letters
- 9) Anal. Chim. Acta

Direction of PhD Theses

Date	Student	Title of Thesis
1999-2003	C. Kroupis	BRCA1 and BRCA2 Mutation Analysis In Breast / Ovarian Cancer Families from Greece
2003 - 2007	E. Zygalki	Expression profile of total VEGF, VEGF splice variants and VEGF receptors in the myocardium and arterial vasculature of diabetic and non-diabetic patients with coronary artery disease(co-supervising with Prof D. Kremastinos, Medical School, University of Athens).
2003 - 2007	M Ntoulia	Molecular detection and prognostic value of circulating mammaglobin A messenger RNA-positive tumor cells in the peripheral blood of women with early-stage breast cancer.
2006- ongoing	A. Markou	Gene expression analysis of circulating tumor cells of early breast cancer patients by multiplex fluorimetric bead array analysis.
2007- ongoing	A. Strati	Gene expression analysis of circulating tumor cells of early breast cancer patients by multiplex quantitative real time RT-PCR.

2007- ongoing	M. Kioulafa	Development of analytical methodology and clinical evaluation of DNA methylation biomarkers in breast tissues and cell-free circulating DNA in plasma of early breast cancer patients
2005 - ongoing	M. Vikentiou	Investigation of leucocytes by flow cytometry and molecular techniques in myelodysplastic syndromes and myelodysplastic/myeloproliferative diseases. method validation and correlation with other clinical and laboratory parameters. (in collaboration with Dr. K. Psarra)
2007 - ongoing	T. Roumeliotis	Proteomic analysis of human sera for the determination of potential cancer biomarkers (in collaboration with Dr. S. Garbis)

Direction of MSc Theses

Date	Student	Title of Thesis
1997	K. Petrovas	Development and clinical applications of a highly sensitive enzyme amplified lanthanide luminescence immunoassay for Tumor Necrosis Factor- α (TNF- α)
1998	L. Bathrellos	Development and clinical applications of a highly sensitive enzyme amplified lanthanide luminescence immunoassay for interleukin- 6 (IL-6)
1998	S. Daskas	Determination of Tumor Necrosis Factor- α (TNF- α) in serum by a highly sensitive enzyme amplified lanthanide luminescence immunoassay.
2000	M. Kolioliou	Development of a quantitative hybridization assay for the determination of telomerase activity
2001	I. Tsiagas	SSCP and DDGE Mutation Analysis of BRCA1 and BRCA2 In Breast / Ovarian Cancer Families From Greece
2002	A. Gizi	Development and clinical applications of a real-time quantitative RT-PCR for CK-19 mRNA in peripheral blood of breast cancer patients.
2002	A. Spyropoulou	Clinical applications of methods for the determination of human telomerase reverse transcriptase (hTERT) mRNA.
2003	M. Ntoulia	Development of a quantitative method for the detection of mammaglobin A by using real-time RT-PCR and clinical applications in patients with breast cancer.
2003	E. Zygalki	Development and clinical applications of a method for the quantitative detection of vascular endothelial growth factor (VEGF) mRNA with real-time Rt-PCR.

2004	A. Pavlidou	Development and clinical applications of a quantitative real time PCR for carcinoembryonic antigen (CEA) in peripheral blood of patients with colorectal cancer
2005	N. Ioannidou	Applications of a real-time quantitative RT-PCR method for BRCA1 mRNA in sporadic breast cancer.
2005	E. Mavrogiannou	Development of a real time method for the quantitative detection of human telomerase reverse transcriptase (hTERT) splice variants with real-time RT-PCR.
2005	E. Papadimitriou	Comparison study of various methods for the isolation of circulating tumor cells in peripheral blood of early breast cancer patients by real time RT-PCR.
2005	M. Vikentiou	Investigation of myelodysplastic syndromes by flow cytometry (in collaboration with Dr. K. Psarra)
2006	A. Strati	Real time RT-PCR quantification of human telomerase reverse transcriptase (hTERT) splice variants in non-small cell lung cancer
2006	V. Giannikopoulos	BRCA1 and RASSF1A methylation in paraffin-embedded breast carcinomas and in plasma DNA of patients with early stage breast cancer
2007	C. Theodoropoulos	Prognostic significance of BETAIG-3 methylation in non-small cell lung cancer
2007	P. Triantafyllou	Prognostic significance of RASSF1A promoter, CST6 and KLK10 methylation in non-small cell lung cancer
2007	M. Kioulafa	Prognostic significance of <i>RASSF1A</i> , <i>CST6</i> and <i>KLK10</i> methylation status in early breast cancer
2007	T. Roumeliotis	Proteomic analysis of human sera for the determination of potential prostate cancer biomarkers (in collaboration with Dr. S. Garbis)
2008	I. Balkouranidou	Prognostic significance of <i>APC</i> , and <i>SOX17</i> methylation in tumor tissues and cell free circulating DNA of patients with non-small cell lung cancer
2008	E. Kosmidou	Quantification of mature <i>let 7a</i> in non-small cell lung cancer fresh paired tissues by real-time RT-PCR.
2008	P. Vorkas	Development of a highly sensitive method for the detection of somatic mutations of the <i>PIK3CA</i> gene, using High Resolution Melting Curve Analysis. Application in Formalin-Fixed Paraffin Embedded Breast Tissues.

The Research Laboratory of Dr. Evi S. Lianidou (Nov 2008)

PhD Candidates

- Athina Markou, January 2006-
- Areti Strati, January 2007-
- Magda Kioulafa, January 2008-

MSc Candidates

- Alexandra Tzitzira, September 2008-
- Anastasia Konstantinidou, September 2008-
- Kleopatra Dagla, September 2008-

Undergraduate Students

- Maria Tsoukala, March 2008
- Sophia Tsakona, March 2008

Past Postdoctoral Fellows

- K. Angelopoulou January 1999- June 2001
- A. Stathopoulou June 2003- June 2006
- C. Kroupis June 2003 - June 2004

Research Grants

Year (Duration)	Title	Funding agency	Funding
2008-2011 ongoing	Development of a multiplex real time RT-PCR assay for the detection of Circulating Tumor Cells (CTCs) in early breast cancer	Funding:Fondation Fournier-Majoie pour l'innovation (FFMI), in collaboration with: ✓ Dr. C. Sotiriou, Jules Bordet Institut, Brussels, Belgium (coordinator) ✓ Prof V. Georgoulas, Dept of Medical Oncology, Medical School, University of Crete, Greece	110,000 Euros (Dr. Lianidou's group)
2008- 2010 ongoing	Development and clinical evaluation of DNA methylation assays in paraffin-embedded breast carcinomas and in cell-free circulating DNA in plasma of patients with early stage breast cancer	Funding: Greek Ministry of Health, Research program : KESY	12,000 Euros
2006-2009 ongoing	Molecular Diagnosis of micrometastatic disease in breast	Funding: General Secretariat of Research and	150,000 Euros

	cancer by DNA microarrays	Technology of Greece, Research program: PENED 2003	
2006-2007	Development and clinical evaluation of a real-time RT-PCR method for the quantitative determination of human telomerase reverse transcriptase (hTERT) splice variants	Research program: Kapodistrias, Funding: Special Research Account of the University of Athens	2,600 Euros
2004-2006	Development and clinical applications of a quantitative real time PCR for carcinoembryonic antigen (CEA) in peripheral blood of patients with colorectal cancer.	Funding: Greek Ministry of Health , Research program: KESY,	15,000 Euros
2005-2006	Development of a quantitative method for the detection of mammaglobin A by using real-time RT-PCR and clinical applications in patients with breast cancer.	Research program: Kapodistrias, Funding: Special Research Account of the University of Athens	2,600 Euros
2004-2005	Development and clinical applications of a method for the quantitative detection of vascular endothelial growth factor (VEGF) mRNA with real-time RT-PCR.	Research program: Kapodistrias, Funding: Special Research Account of the University of Athens	2,600 Euros
2002-2003	Development and clinical applications of a quantitative real time PCR for cytokeratin 19 (CK-19) in peripheral blood of patients with early breast cancer.	Research program: Kapodistrias, Funding: Special Research Account of the University of Athens	1,000,000 Drs
2001-2002	Development and clinical applications of molecular diagnostic methods for mutational analysis of BRCA-1 and BRCA-2 genes in familial breast and ovarian cancer in Greece	Funding: Special Research Account of the University of Athens	1,200,000 Drs
2000-2001	Development of a quantitative hybridization assay for the determination of telomerase	Funding: Special Research Account of the University of Athens	1,200,000 Drs
1999-2001	«Development and clinical evaluation of highly sensitive molecular diagnostic methods for the early detection of micrometastasis in breast cancer»	Funding: General Secretariat of Research and Technology of Greece, Research program: PENED 1999	150.000 Euros
1999-2001	«Development and clinical evaluation of highly sensitive molecular diagnostic methods for the early detection of micrometastasis in breast cancer»	Funding: Special Research Account of the University of Athens	1,200,000 Drs
1998-1999	“Development of a PCR based	Funding: Special Research	1,200,000

	mutation analysis method for the tumor-suppressor p53”	Account of the University of Athens	Drs
1998-2000	“Development of a PCR based time resolved fluorescence assay for the quantitative determination of PSA mRNA in peripheral blood”	Funding: General Secretariat of Research and Technology of Greece, Research Program: YPER 1997, in collaboration with Dr. P. Ioannou (coordinator) Univ of Athens and Dr T.K.Christopoulos, Univ of Patras and MEDILAB diagnostic company	18,000,000 Drs (around 55,000 Euros)
1997-1999	«Lanthanide Luminescence complexes for fluoro-immunoassays»	Funding: British Council (in collaboration with Dr. P. Ioannou Univ of Athens and Dr Z. Pikramenou, Univ of Edinburg)	1,200,000 Drs (around 3.6000 Euros)
1996-1997	Development and clinical applications of a highly sensitive enzyme amplified lanthanide luminescence immunoassay for cytokines	Funding: Special Research Account of the University of Athens	1,800,000 Drs (around 5.500 Euros)
1993-1995	Development and clinical applications of a highly sensitive enzyme amplified lanthanide luminescence immunoassay for AFP	Funding: Special Research Account of the University of Athens	1,800,000 Drs (around 5.500 Euros)

Invited Lectures

1. «DNA methylation in Cancer». 15th Greek Congress of Clinical Oncology, Medical School, University of Crete, Heraklion, Crete, Nov 2007,
2. “Development and clinical evaluation of molecular diagnostic tests for the detection and enumeration of circulating tumor cells in peripheral blood of breast cancer patients”. 2nd BioScience Conference, University of Patras, Greece. April 2007
3. «Analytical Methodology and clinical significance of the detection of micrometastatic disease in breast cancer». 3rd Greek Anticancer Congress, Athens, Greece, April 2007.
4. «Detection of circulating tumour cells (CTCs) in peripheral blood». 6th Greek Congress of Clinical Chemistry, Athens 2006.
5. “The effect of tumor biological profile in breast cancer prognosis”. Postgraduate student’s session. 14th Greek Congress of Clinical Oncology, Medical School, University of Crete, Heraklion, Crete, Nov 2006
6. “New biomarkers for breast cancer: gene expression analysis by DNA microarrays” 14th Greek Congress of Clinical Oncology, Medical School, University of Crete, Heraklion, Crete, Nov 2006

7. “Metastasis and genes” Symposium on Molecular Diagnostics and Genetics, during the Congress: “Biosciences in the 21st Century”. Athens, April 2006.
8. “Metastasis and genes” 2nd Greek Anticancer Congress, Athens, Greece, March 2005.
9. “Micrometastasis”, 4th Symposium on New Molecules in Cancer Therapeutics, October 2005, Athens, Greece.
10. “DNA microarrays and breast cancer” 13th Greek Congress of Clinical Oncology, Medical School, University of Crete, Heraklion, Crete, Nov 2005.
11. “Analytical problems during assay development for the diagnosis of micrometastatic disease”. 12th Greek Congress of Clinical Oncology, Medical School, University of Crete, Heraklion, Crete, Nov 2004.
12. “Analysis of gene expression in breast cancer by DNA microarrays” 4th Seminar on “Breast cancer, from genes to therapy”, Thessaloniki, September 2004.

Patents

Development of a quantitative real-time RT-PCR assay for CK-19 mRNA expression: circulating tumor cells in peripheral blood (CTCs), (CE, IVD test)

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
22 February 2007 (22.02.2007)

PCT

(10) International Publication Number
WO 2007/020081 A1

- (51) International Patent Classification:
C12Q 1/68 (2006.01)
- (21) International Application Number:
PCT/EP2006/008097
- (22) International Filing Date: 16 August 2006 (16.08.2006)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
GR 20050100430 17 August 2005 (17.08.2005) GR
60795.149 25 April 2006 (25.04.2006) US
- (71) Applicant (for all designated States except US):
MEDEXIS S.A. [GR/GR]; 4, Asklipiou Str., 145 68
Kryoneri, GR-145 68 Athens (GR).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): LIANIDOU, Evri-
lia [GR/GR]; Piperopoulou 19, GR-145 75 Athens (GR).
STATHOPOULOU, Aiki [GR/GR]; Hatziconstanti 31,
GR-115 24 Athens (GR). MAVROUDIS, Dimitrios
[GR/GR]; Dimokratias 27, GR-71 306 Herakleion (GR).
GEORGOULIAS, Vasileios [GR/GR]; Magnisias 12,
GR-71 305 Herakleion (GR).
- (74) Agents: HIEBL, Inge et al.; Thomas-Wimmer-Ring 15,
80539 München (DE).
- (81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP,
KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT,
LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ,
NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU,
SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT,
TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT,
RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA,
GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report
— before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

[Continued on next page]

(54) Title: COMPOSITION AND METHOD FOR DETERMINATION OF CK19 EXPRESSION

List of Publications

- Notes for Students

1. P.A. Siskos, E.S. Lianidou, A. Varsou. «Clinical Chemistry Laboratory Exercises», University of Athens, Athens 1998 (in Greek, 177 pages).
2. E. S. Lianidou «Principles of Molecular Diagnosis Techniques», University of Athens, Athens, 2003 (in Greek, 108 pages).
3. P.A. Siskos, E.S. Lianidou. «Clinical Chemistry Laboratory Exercises», University of Athens, Athens 2004 (in Greek, 80 pages).

- Book Chapters

1. “Telomerase”, Evi Lianidou in: Tumor Markers – Physiology, Pathobiology, Technology, and Clinical applications. Editors: E.P.Diamandis, H.A. Fritsche, H. Lilja, D.W.Chn, M.K.Schwartz. AACR Press, Washington DC, USA, 2002

Original Research Papers

2008

1. Kallikrein 10 (*klk10*) methylation as a novel prognostic biomarker in early breast cancer. Magdalini Kioulafa, Loukas Kaklamanis, Efstathios Stathopoulos, Dimitris Mavroudis, Vassilis Georgoulas, **Evi S. Lianidou***. *Annals of Oncology*, (in press).
2. Prognostic value of the molecular detection of circulating tumor cells using a multimarker reverse transcription-PCR assay for cytokeratin 19, mammaglobin A, and HER2 in early breast cancer. Ignatiadis M, Kallergi G, Ntoulia M, Perraki M, Apostolaki S, Kafousi M, Chlouverakis G, Stathopoulos E, **Lianidou E**, Georgoulas V, Mavroudis D. *Clin Cancer Res*. 2008 May 1;14(9):2593-600.
3. Endothelin system and atrial fibrillation post-cardiac surgery. Kolettis TM, Kyriakides ZS, Zygalaki E, Kyrzopoulos S, Kaklamanis L, Nikolaou N, **Lianidou ES**, Kremastinos DT. *J Interv Card Electrophysiol*. 2008 Apr;21(3):203-8. Epub 2008 Feb 9.
4. Markou A, Tsaroucha EG, Kaklamanis L, Fotinou M, Georgoulas V, **Lianidou ES***. Prognostic value of mature microRNA-21 and microRNA-205 overexpression in non-small cell lung cancer by quantitative real-time RT-PCR. *Clin Chem*. 2008 Oct;54(10):1696-704. Epub 2008 Aug 21
5. Asymmetric real-time PCR detection of BRCA1 5382insC mutation by melting curve analysis in the LightCycler. C.Kroupis, K.Christopoulos, M.Devetzoglou, I.Tsiagas and **E.S. Lianidou***, *Clin Chim Acta*. 2008 Apr;390(1-2):141-4
6. Zygalaki E, Kaklamanis L, Nikolaou NI, Kyrzopoulos S, Hourli M, Kyriakides Z, **Lianidou ES***, Kremastinos DT. Expression profile of total VEGF, VEGF splice variants and VEGF receptors in the myocardium and arterial vasculature of diabetic and non-diabetic patients with coronary artery disease. *Clin Biochem*. 2008 Jan; 41(1-2):82-7.

2007

7. Ignatiadis M, Xenidis N, Perraki M, Apostolaki S, Politaki E, Kafousi M, Stathopoulos EN, Stathopoulou A, **Lianidou E**, Chlouverakis G, Sotiriou C, Georgoulas V, Mavroudis D. Different prognostic value of Cytokeratin-19 mRNA-positive Circulating Tumor Cells according to estrogen receptor and HER2 status in early breast cancer. *J Clin Oncol*. 2007 Nov 20;25(33):5194-202. Epub 2007 Oct 22.
8. Molecular detection and prognostic value of circulating cytokeratin-19 messenger RNA-positive and HER2 messenger RNA-positive cells in the peripheral blood of women with early-stage breast cancer. Ignatiadis M, Perraki M, Apostolaki S, Politaki E, Xenidis N, Kafousi M, Stathopoulos E, **Lianidou E**, Sotiriou C, Georgoulas V, Mavroudis D. *Clin Breast Cancer*. 2007 Dec;7(11):883-9.

9. Zygalki E, Tsaroucha EG, Kaklamanis L, **Lianidou ES***, Quantitative real-time reverse transcription PCR study of the expression of vascular endothelial growth factor (VEGF) splice variants and VEGF receptors (VEGFR-1 and VEGFR-2) in non small cell lung cancer. *Clin Chem*. 2007 Aug;53(8):1433-9.
10. Mavrogiannou E, Strati A, Stathopoulou A, Tsaroucha EG, Kaklamanis L, **Lianidou ES***. Real-time RT-PCR quantification of human telomerase reverse transcriptase splice variants in tumor cell lines and non-small cell lung cancer. *Clin Chem*. 2007 Jan;53(1):53-61.

2006

11. Ntoulia M, Stathopoulou A, Ignatiadis M, Malamos N, Mavroudis D, Georgoulas V, **Lianidou ES***. Detection of Mammaglobin A-mRNA-positive circulating tumor cells in peripheral blood of patients with operable breast cancer with nested RT-PCR. *Clin Biochem*. 2006 Sep;39(9):879-87
12. Ntoulia M, Kaklamanis L, Valavanis C, Kafousi M, Stathopoulos E, Arapantoni P, Mavroudis D, Georgoulas V, **Lianidou ES***, HER-2 DNA quantification of paraffin-embedded breast carcinomas with LightCycler real-time PCR in comparison to immunohistochemistry and chromogenic in situ hybridization. *Clin Biochem*. 2006 Sep;39(9):942-6.
13. Kroupis C, Markou A, Vourlidis N, Dionyssiou-Asteriou A, **Lianidou ES**. Presence of high-risk human papillomavirus sequences in breast cancer tissues and association with histopathological characteristics. *Clin Biochem*. 2006 Jul;39(7):727-31.
14. Xenidis N, Perraki M, Kafousi M, Apostolaki S, Bolonaki I, Stathopoulou A, Kalbakis K, Androulakis N, Kouroussis C, Pallis T, Christophylakis C, Argyraki K, **Lianidou ES**, Stathopoulos S, Georgoulas V, Mavroudis D. Predictive and prognostic value of peripheral blood cytokeratin-19 mRNA-positive cells detected by real-time polymerase chain reaction in node-negative breast cancer patients. *J Clin Oncol*. 2006 Aug 10;24(23):3756-62.
15. Stathopoulou A, Ntoulia M, Perraki M, Apostolaki S, Mavroudis D, Malamos N, Georgoulas V, **Lianidou ES***. A highly specific real-time RT-PCR method for the quantitative determination of CK-19 mRNA positive cells in peripheral blood of patients with operable breast cancer. *Int J Cancer*. 2006 Oct 1;119(7):1654-9.

2005

16. Zygalki E, Stathopoulou A, Kroupis C, Kaklamanis L, Kyriakides Z, Kremastinos D, **Lianidou ES***. Real-time reverse transcription-PCR quantification of vascular endothelial growth factor splice variants. *Clin Chem*. 2005 Aug;51(8):1518-20.

17. Kroupis C, Stathopoulou A, Zygalki E, Ferekidou L, Talieri M, **Lianidou E.S.*** Development and applications of a real-time quantitative RT-PCR method (QRT-PCR) for BRCA1 mRNA. Clin Biochem. 2005 Jan;38(1):50-7.

2004

18. Bozionellou V, Mavroudis D, Perraki M, Papadopoulos S, Apostolaki S, Stathopoulos E, Stathopoulou A, **Lianidou E**, Georgoulis V. Trastuzumab administration can effectively target chemotherapy-resistant cytokeratin-19 messenger RNA-positive tumor cells in the peripheral blood and bone marrow of patients with breast cancer. Clin Cancer Res. 2004 Dec 15;10(24):8185-94.
19. Kroupis C., **E. Lianidou**, N. Goutas, S. Vasilaros, D. Yannoukakos, and M.B. Petersen*. Genetic counseling of medullary breast cancer patients, Clin. Genetics, 65, 343-344, 2004.
20. Spiropoulou A, Ferekidou E, Angelopoulou A, Stathopoulou A, Talieri M, **Lianidou E.S.***. Effect of antineoplastic agents on the expression of human telomerase reverse transcriptase beta plus transcript in MCF-7 cells. Clin Biochem. 37, 299-304, 2004.

2003

21. K. Angelopoulou, T. Spiropoulou, A. Stathopoulou, D. Dimitroulopoulos, N. Malamos, V. Georgoulis, E. Paraskevas and **E.S. Lianidou***. Development of a highly sensitive RT-PCR luminometric hybridization assay for human telomerase reverse transcriptase beta plus transcript. Anticancer Research, 23, 4821-4830, 2003.
22. Stathopoulou A, Gizi A, Perraki M, Apostolaki S, Malamos N, Mavroudis D, Georgoulis V, **Lianidou E.S.***. Real-time quantification of CK-19 mRNA positive cells in peripheral blood of breast cancer patients using LightCycler system, Clin. Cancer Res., 9, 5145-5151, 2003.
23. Kroupis C., N. Goutas, A. Ladopoulou, I. Konstantopoulou, A. Pantazidis, E. Efsthathiou, N. Vourlidis, D. Yannoukakos, C. Tsionou and **E. Lianidou *** "Atypical Medullary breast carcinoma in a family carrying the 5382insC BRCA1 mutation" *The Breast J* 9 (3), 266-268, 2003.
24. Xenidis N, Vlachonikolis I, Mavroudis D, Perraki M, Stathopoulou A, Malamos N, Kouroussis C, Kakolyris S, Apostolaki S, Vardakis N, **Lianidou E**, Georgoulis V*. Effect of adjuvant chemotherapy on peripheral blood circulating cytokeratin-19 mRNA-positive cells of patients with stage I and II breast cancer, Annals of Oncology, 14(6), 849-855, 2003.
25. Stathopoulou A, Mavroudis D, Perraki M, Apostolaki S, Vlachonikolis J, **Lianidou E**, Georgoulis V*. Molecular detection of cancer cells in the

peripheral blood of patients with breast cancer: comparison of CK-19, CEA and MASPIN as detection markers, *Anticancer Research*, 23, 1883-1890, 2003.

2002

26. Kroupis C, A. Ladopoulou, I. Konstantopoulou, L. Ioannidou-Mouzaka, A.C. Schofield, A. Pantazidis, S. Armaou, I. Tsiagas, **E. Lianidou**, E. Efstathiou, C. Tsionou, C. Panopoulos, M. Mihalatos, G. Nasioulas, D. Skarlos, N.E. Haites, G. Fountzilias, N. Pandis and D. Yannoukakos*. "Germ line BRCA1 and BRCA2 mutations in Greek breast/ovarian cancer families: 5382insC is the most frequent mutation observed" *Cancer Letters* 185 (1), 61-70, 2002.

2001

27. Stathopoulou A, Angelopoulou K, Georgoulis V and **Lianidou E.S***. Quantitative RT-PCR luminometric hybridization assay with an RNA-Internal standard for cytokeratin-19 mRNA in Peripheral Blood of patients with breast cancer, *Clin Biochem*, 34, 651-659, 2001.
28. M. Kolioliou, M. Talieri and **E.S. Lianidou***. Development of a quantitative hybridization assay for the determination of telomerase activity. *Clin. Biochem.* 34, 277-284, 2001

2000

29. I Konstantopoulou, C Kroupis, A Ladopoulou, A Pantazidis, D Boumba, **ES Lianidou**, MB Petersen, L Florentin, E Chiotellis, G Nounesis, E Efstathiou, D Skarlos⁷, C Tsionou, G Fountzilias, D Yannoukakos. BRCA1 Mutation Analysis In Breast / Ovarian Cancer Families From Greece, *Human Mutation* 16/3, 272-3, 2000.

1999

30. Angelopoulou K., Borchert G., Melegos D., **Lianidou E.S.**, Lilja H., Diamandis E.P. Characterization of the BRCA1-Like immunoreactivity in seminal plasma. *Urology*, 54, 753-762, 1999.
31. K. Petrovas, S. Daskas and **E.S.Lianidou**. Determination of Tumor Necrosis Factor- α (TNF- α) in serum by a highly sensitive enzyme amplified lanthanide luminescence immunoassay. *Clin. Biochem*, 32/4, 241-247, 1999.
32. **E.S. Lianidou**, M.A. Levesque, D. Katsaros, K. Angelopoulou, H Yu, F. Genta, R. Arisio, M. Massobrio, B. Bharaj and E. P. Diamandis. Immunofluorometric assay of p53 protein versus sequencing of p53 exons 5 to 9 for the detection of p53 abnormalities in ovarian carcinoma. *Anticancer Res.*, 19, 749-756, 1999.

1998

33. **E.S.Lianidou**, K.Angelopoulou and E.P.Diamandis. Fragment analysis of the p53 gene in ovarian tumors. *Clin. Biochem*, 31/7, 551-553, 1998.
34. L. Bathrellos, **E.S.Lianidou**, and P.C.Ioannou. A highly sensitive enzyme amplified lanthanide luminescence immunoassay for interleukin- 6 (IL-6). *Clin. Chem.*, 44, 1351-1353, 1998.

1997

35. **E.S.Lianidou**, D.N.Melegos, and E.P.Diamandis. The BRCA-1 Tumor suppressor gene product shares immunoreactive epitopes with a protein present in seminal plasma. *Clin. Biochem*, 30/5, 425-432, 1997.
36. C.J. Veiopoulou, P.C. Ioannou and **E.S. Lianidou** . Application of terbium sensitized fluorescence for the determination of fluoroquinolone antibiotics ciprofloxacin, norfloxacin and pefloxacin in serum. *J of Pharm and Biomed Analysis*, 15, 1839-1844,1997.

1996

37. C.J. Veiopoulou, **E.S. Lianidou**, P.C. Ioannou and C.E. Efstathiou. Comparative study of fluorescent ternary terbium complexes. Application in enzyme amplified fluorimetric immunoassay for a-fetoprotein. *Anal Chim Acta*, 335, 177-184, 1996.
38. **E.S.Lianidou**, P.C.Ioannou. A simple spectrofluorimetric method for the determination of p-aminobenzoic acid and p-aminosalicylic acids in biological fluids based on Terbium sensitised luminescence. *Clin Chem*, 42, 1659-1665, 1996.
39. **E.S.Lianidou**, P.C.Ioannou, C.K.Polydorou, C.E.Efstathiou. Simultaneous determination of diflunisal and salicylic acid in human serum and urine as ternary complexes with terbium and EDTA by second derivative synchronous fluorescence spectrometry. *Anal Chim Acta*, 320, 107-114, 1996.

1995 – 1987

40. P.C.Ioannou, **E.S.Lianidou**, D.G.Konstantianos. A simple, rapid, and sensitive spectrofluorimetric method for the determination of diflunisal in serum and urine based on its ternary complex with terbium and EDTA. *Anal Chim Acta*, 300, 237-241, 1995.
41. **E.S. Lianidou**, P.C.Ioannou, E.Sacharidou. Second derivative synchronous scanning fluorescence spectrometry as sensitive detection technique in immunoassays. *Anal Chim Acta*, 290, 159-165, 1994.

42. **E.S. Lianidou**, C.D. Lazaropoulou, A. Makris, S. Georgiou, A. Alexopoulou, D.S. Papastathopoulos, P.A.Siskos and S.J.Hadziyannis. Application of an enzymatic fluorimetric method in the quantitation of serum ursodeoxycholic acid in primary biliary cirrhosis under ursodeoxycholic acid therapy. *Clin Chem and Enzymology Communications*, 5, 55-61, 1992.
43. **E.S.Lianidou**, T.K.Christopoulos, E.P.Diamandis. Assay of creatine kinase isoenzyme MB in serum with time resolved immunofluorometry. *Clin Chem*, 36/9, 1679-1683, 1990.
44. T.K.Christopoulos, **E.S.Lianidou**, E.P.Diamandis. Ultra sensitive Time resolved method for a-Fetoprotein. *Clin Chem*, 36/8,1497-1502, 1990.
45. **E.S.Lianidou**, D.S.Papastathopoulos, P.A.Siskos. Enzymatic fluorimetric determination of ursodeoxycholic acid in urine using *Clostridium absonum* 7 β -hydroxysteroid dehydrogenase. *Anal Letters*, 22/10, 2265-2280, 1989.
46. **E.S.Lianidou**, D.S.Papastathopoulos, P.A.Siskos. Determination of ursodeoxycholic acid in serum by a new fluorimetric enzymatic method using 7 β -hydroxysteroid dehydrogenase from *Clostridium absonum*. *Anal. Biochem*, 179, 341-346, 1989.
47. **E.S.Lianidou**, A.Papanastasiou-Diamandi, P.A.Siskos. Enzymic fluorimetric determination of sulphated and non-sulphated primary bile acids in urine using a rapid solvolysis technique. *Analyst*, 113, 1459-1463, 1988.
48. **E.S.Lianidou**, P.A.Siskos. Determination of kinetic parameters for 3 α -hydroxysteroid dehydrogenase using the five major bile acids and their conjugates as substrates and correlation with their structure and solubility. *Analyst*, 112, 753-755, 1987.

Awards in International Meetings

- 1) **AACR – ASTRAZENECA INTERNATIONAL SCHOLAR IN TRAINING AWARD: AACR SPECIAL CONFERENCE: TARGETING THE PI3-KINASE PATHWAY IN CANCER, November 11-14, Cambridge, Massachusetts, USA, 2008.** Panagiotis Vorkas, Vassilis Georgoulis, Evi Lianidou. Development of a highly sensitive method for the detection of somatic mutations of the *PIK3CA* gene, using High Resolution Melting Curve Analysis. Application in Formalin-Fixed Parafin Embedded Breast Tissues.
- 2) **AVON FOUNDATION INTERNATIONAL TRAVEL AWARD: AACR 2008: 99th Annual Meeting of American Association of Cancer Research (AACR), San Diego, USA, 2008,** Athina N. Markou, Areti D. Strati, Loukas Kaklamanis, Maria Kafoussi, Stathis Stathopoulos, Vassilis Georgoulis, Evi S. Lianidou. Evaluation of the prognostic significance of mature miR-10b expression in early breast cancer
- 3) **AVON FOUNDATION INTERNATIONAL TRAVEL AWARD: AACR 2008: 99th Annual Meeting of American Association of Cancer Research (AACR), San Diego, USA, 2008,** Areti D. Strati Athina N. Markoy, N. Malamos, Dimitris Mavroudis, Vassilis Georgoulis, Evi S. Lianidou TWIST1 expression in circulating tumor cells of early breast cancer patients.
- 4) **AVON FOUNDATION INTERNATIONAL TRAVEL AWARD: AACR 2008: 99th Annual Meeting of American Association of Cancer Research (AACR), San Diego, USA, 2008,** M. Kioulafa, L. Kaklamanis , E. Stathopoulos, V. Georgoulis and E. S. Lianidou. PROGNOSTIC SIGNIFICANCE OF RASSF1A, CST6 AND KLK10 METHYLATION STATUS IN EARLY BREAST CANCER.
- 5) **Excellent Poster Award: 18th International Congress of Clinical Chemistry and Laboratory Medicine, Kyoto, Japan, 2002.** Stathopoulou, A. Gkizi, E. Lianidou, D. Mavroudis, V. Georgoulis, S. Derdas, N. Malamos. Real time quantification of CK-19 positive cells in peripheral blood of breast cancer patients.
- 6) **Excellent Poster Award: 18th International Congress of Clinical Chemistry and Laboratory Medicine, Kyoto, Japan, 2002.** K. Angelopoulou, A. Spiropoulou, A. Stathopoulou, D. Dimitroulopoulos, K. Tmakidis, D. Xinopoulos, E. Paraskevas and E.S. Lianidou. Development of a novel RT-PCR luminometric hybridization assay for human telomerase reverse transcriptase (hTERT) active transcript.
- 7) **Best Investigator's Award: 1st Congress of the World Society for Breast Health, Istanbul, 22-26 Sept. 2001.** Konstantopoulou I., A. Ladopoulou L. Ioannidou-Mouzaka, A.C. Schofield, C. Kroupis, A. Pantazidis, I. Tsiagas, S. Armaou, E. Lianidou, C. Tsionou, E. Efstathiou, G. Nasioulas, N.E. Haites, G.

Fountzilias, N. Pandis and D. Yannoukakos. "BRCA1 and BRCA2 mutation analysis in Greek patients with family history of breast/ovarian cancer",

- 8) **First Poster Award: 5th International HSBCR Congress, Athens, 2001.** Ladopoulou A., I. Konstantopoulou, L. Ioannidou-Mouzaka, C. Kroupis, A. Pantazidis, S. Armaou, E. Lianidou, C. Tsionou, E. Efstathiou, N.E. Haites, G. Nasioulas, D. Skarlos, G. Fountzilias, N. Pandis and D. Yannoukakos. "Germ line BRCA1 and BRCA2 mutations in Greek patients with family history of breast/ovarian cancer".

Abstracts presented in International Scientific Meetings

- 1) **AACR SPECIAL CONFERENCE: TARGETING THE PI3-KINASE PATHWAY IN CANCER, November 11-14, Cambridge, Massachusetts, USA, 2008.** Panagiotis Vorkas, Vassilis Georgoulis, **Evi Lianidou**. Development of a highly sensitive method for the detection of somatic mutations of the *PIK3CA* gene, using High Resolution Melting Curve Analysis. Application in Formalin-Fixed Paraffin Embedded Breast Tissues. (**AACR – ASTRAZENECA INTERNATIONAL SCHOLAR IN TRAINING AWARD to P. Vorkas, 1000\$**)

XVI meeting of Balcan Clinical Laboratory Federation & Hellenic Congress of Clinical Chemistry, 16-18 October 2008, Athens, Greece.

- 2) A. Strati, A. Markou, A. Stathopoulou, D. Mavroudis, V. Georgoulis and E. S. Lianidou. Evaluation of Real time PCR Quantification kit for Cytokeratin 19 (CK-19) : Application for the detection of circulating tumor cells (CTCs) in peripheral blood of early breast cancer patients.
- 3) Magdalini Kioulafa, Loukas Kaklamanis, Georgia Sotiropoulou, Efstathios Stathopoulos, Dimitris Mavroudis, Vassilis Georgoulis, Evi S. Lianidou. PROGNOSTIC SIGNIFICANCE OF CYSTATIN M (*CST6*) METHYLATION STATUS IN EARLY BREAST CANCER.
- 4) Athina N. Markoy, Areti D. Strati, Loukas Kaklamanis, Stathis Stathopoulos, Vassilis Georgoulis, Evi S. Lianidou. EVALUATION OF THE PROGNOSTIC SIGNIFICANCE OF MATURE MIR-10B EXPRESSION IN EARLY BREAST CANCER.
- 5) I. Balgouranidou, M. Kioulafa, E.G. Tsaroucha, L. Kaklamanis, and E. Lianidou. SOX17 METHYLATION IN CIRCULATING CELL-FREE DNA OF NSCLC PATIENTS.
- 6) P. Vorkas, E. Lianidou, DEVELOPMENT OF A HIGHLY SENSITIVE MUTATION ANALYSIS METHOD FOR THE DETECTION OF SOMATIC MUTATIONS OF THE PIK3CA GENE, USING HIGH-RESOLUTION MELTING CURVE ANALYSIS

33rd FEBS Congress and 11th IUBMB Conference, 28 June - 3 July 2008, Athens Greece.

- 7) M. Kioulafa, L. Kaklamanis, E. Stathopoulos, D. Mavrudis, V. Georgoulis and E. S. Lianidou. PROGNOSTIC SIGNIFICANCE OF *RASSF1A*, *CST6* AND *KLK10* METHYLATION STATUS IN EARLY BREAST CANCER
- 8) Athina N. Markou, Areti D. Strati, Loukas Kaklamanis, Stathis Stathopoulos, Vassilis Georgoulis, Evi S. Lianidou. EVALUATION OF THE PROGNOSTIC SIGNIFICANCE OF MATURE MIR-10B EXPRESSION IN EARLY BREAST CANCER.
- 9) E. Kosmidou, A. Markou, E.G. Tsaroucha, L. Kaklamanis, E.S Lianidou. PROGNOSTIC SIGNIFICANCE OF MATURE microRNA *let-7a* IN NON-SMALL CELL LUNG CANCER
- 10) P. Vorkas, C. Kroupis, K. Christopoulos, E. Lianidou Mutation screening of exon 20 of *BRCA1* gene by high-resolution melting curve analysis
- 11) Areti D. Strati Athina N. Markou, N. Malamos, Dimitris Mavroudis, Vassilis Georgoulis, Evi S. Lianidou. TWIST1 EXPRESSION IN CIRCULATING TUMOR CELLS OF EARLY BREAST CANCER PATIENTS

AACR 2008: 99th Annual Meeting of American Association of Cancer Research (AACR), San Diego, USA, 2008

- 12) Athina N. Markou, Areti D. Strati, Loukas Kaklamanis, Maria Kafoussi, Stathis Stathopoulos, Vassilis Georgoulis, **Evi S. Lianidou**. Evaluation of the prognostic significance of mature miR-10b expression in early breast cancer (**AVON FOUNDATION INTERNATIONAL TRAVEL AWARD, 2000\$**)
 - 13) Areti D. Strati Athina N. Markoy, N. Malamos, Dimitris Mavroudis, Vassilis Georgoulis, **Evi S. Lianidou** TWIST1 expression in circulating tumor cells of early breast cancer patients. (**AVON FOUNDATION INTERNATIONAL TRAVEL AWARD, 2000\$**)
 - 14) M. Kioulafa, L. Kaklamanis, E. Stathopoulos, V. Georgoulis and **E. S. Lianidou**. PROGNOSTIC SIGNIFICANCE OF *RASSF1A*, *CST6* AND *KLK10* METHYLATION STATUS IN EARLY BREAST CANCER. (**AVON FOUNDATION INTERNATIONAL TRAVEL AWARD, 2000\$**)
 - 15) **1st MicroRNAs and Cancer Meeting, Keystone Symposia, Keystone Colorado, USA 2007**. A.Markou, E. Tsaroucha, L. Kaklamanis, V. Georgoulis, **E. Lianidou**. Real-time PCR quantification of mature microRNA-21 (miR-21) in non-small cell lung cancer. Micro RNAs and cancer, Keystone Colorado, June 2007
- 17th IFCC - FESCC European Congress of Clinical Chemistry and Laboratory Medicine, Amsterdam, Holland, 2007**
- 16) A.Markou, E. Tsaroucha, L. Kaklamanis, V. Georgoulis, **E. Lianidou**. Prognostic significance of mature microRNA-21 (mir-21) in non-small cell lung cancer.
 - 17) Strati, E. Mavrogiannou, A. Stathopoulou, E.G. Tsaroucha, L. Kaklamanis, **E.S. Lianidou**. REAL TIME RT-PCR QUANTIFICATION OF HUMAN

TELOMERASE REVERSE TRANSCRIPTASE (hTERT) SPLICE VARIANTS
IN NON-SMALL CELL LUNG CANCER

- 18) V. Giannikopoulos , M. Ntoulia , N. Malamos , V. Georgoulas, **E.S. Lianidou**.
RASSF1A METHYLATION IN PARAFFIN-EMBEDDED BREAST
CARCINOMAS AND IN PLASMA DNA OF PATIENTS WITH EARLY
STAGE BREAST CANCER

**IPS 2007: 5th General Meeting of the International Proteolysis Society,
Patras, Greece, 2007**

- 19) M. Kioulafa, L. Kaklamanis , G. Sotiropoulou , V. Georgoulas and **E. S.
Lianidou**. ASSOCIATION OF CYSTATIN M METHYLATION STATUS AND
CLINICAL OUTCOME IN BREAST CANCER

- 20) P. Triantafyllou, E.G. Tsaroucha, L. Kaklamanis, G.Sotiropoulou, V. Georgoulas
and **E. Lianidou**. ASSOCIATION OF CYSTATIN M METHYLATION
STATUS AND CLINICAL OUTCOME IN NSCLC

**ISMRC 2007: 6th International Symposium on Minimal Residual Cancer
(ISMRC), 19-22/9/07, Hamburg, Germany.**

- 21) P. Triantafyllou, E.G. Tsaroucha, L. Kaklamanis, V. Georgoulas and **E. Lianidou**
PROGNOSTIC SIGNIFICANCE OF RASSF1A PROMOTER METHYLATION
ON SURVIVAL OF NON-SMALL CELL LUNG CANCER PATIENTS.

- 22) M. Kioulafa, A. Strati, A. Stathopoulou, N.Malamos, D. Mavrudis, V.
Georgoulas and **E. S. Lianidou**. DETECTION OF RASSF1A PROMOTER
METHYLATION IN CELL FREE CIRCULATING DNA IN PLASMA OF
EARLY BREAST CANCER PATIENTS

- 23) Markou, E.G. Tsaroucha, L. Kaklamanis, V. Georgoulas and **E.S. Lianidou**.
REAL-TIME PCR QUANTIFICATION OF MATURE MICRORNA-21 (miR-
21) IN NON-SMALL CELL LUNG CANCER (NSCLC).

- 24) M. Kioulafa, L. Kaklamanis , G. Sotiropoulou , V. Georgoulas and **E. S.
Lianidou**. ASSOCIATION OF CYSTATIN M (CST6) METHYLATION
STATUS AND CLINICAL OUTCOME IN EARLY BREAST CANCER.

- 25) M. Kioulafa, L. Kaklamanis, V. Georgoulas and **E. S. Lianidou**.
ASSOCIATION OF RASSF1A METHYLATION STATUS AND CLINICAL
OUTCOME IN EARLY BREAST CANCER.

- 26) Ignatiadis M, Xenidis N, Perraki M, Apostolaki S, Stathopoulos E, Chlouverakis
G, **Lianidou E**, Sotiriou C, Georgoulas V, Mavroudis D. Different Prognostic
value of Cytokeratin -19 mRNA positive circulating tumor cells according to
estrogen receptor and HER-2 status in early breast cancer.

AACR 2007: 98th Annual Meeting of American Association of Cancer Research (AACR), Los Angeles, USA.2007

- 27) V. Giannikopoulos, M Ntoulia, N. Malamos, V Georgoulas and **E. S. Lianidou**. RASSF1A methylation in paraffin-embedded breast carcinomas and in plasma DNA of patients with early stage breast cancer.
- 28) Markou, E.G. Tsaroucha, L. Kaklamanis, V. Georgoulas and **E.S. Lianidou**. REAL-TIME PCR QUANTIFICATION OF MATURE MICRORNA-21 (miR-21) IN NON-SMALL CELL LUNG CANCER (NSCLC).
- 29) **Oncogenes and human Cancer: The next 25 years, Nature Conference, Madrid, Spain, 2007**. A.Markou, E. Tsaroucha, L. Kaklamanis, V. Georgoulas, **E. Lianidou** , Prognostic significance of mature microRNA-21 (mir-21) in non-small cell lung cancer.
- 30) **12th International Congress on Hormonal steroids and Hormones in Cancer. Athens, Greece 2006** Strati , Z. Papoutsi , E. Lianidou , P. Moutsatsou. Effect of ellagic acid on expression of human telomerase reverse transcriptase (hTERT) in estrogen receptor-positive MCF-7 breast cancer cells.

AACR 2006: 97th Annual Meeting of American Association of Cancer Research (AACR), Washington DC, USA.2006

- 31) M Ntoulia, A Stathopoulou, I Ignatiadis, N Malamos, D Mavroudis, V Georgoulas and **E.S Lianidou**. Real time RT-PCR detection of Mammaglobin A-mRNA positive cells in peripheral blood of patients with operable breast cancer
- 32) E. Mavrogiannou, A. Stathopoulou, **E.S. Lianidou**. Development of a quantitative real time RT-PCR for human telomerase reverse transcriptase (hTERT) splice variants.
- 33) K. Christopoulos, M.L. Devetzoglou, C. Kroupis, I. Tsiagas and **E.S. Lianidou**. REAL-TIME PCR DETECTION OF BRCA1 5382insC MUTATION BY MELTING CURVE ANALYSIS ON THE LIGHTCYCLER.
- 34) M. Ntoulia, L. Kaklamanis, C. Valavanis, M. Kafousi, E. Stathopoulos, P. Arapantoni, D. Mavroudis, V. Georgoulas, **E. S. Lianidou**. HER-2 DNA quantification of Paraffin-Embedded Breast Carcinomas with LightCycler real-time PCR in comparison to immunohistochemistry and chromogenic in situ hybridization.
- 35) E. Zygalki, E. Mavrogiannou, L. Kaklamanis, A. Tsaroucha, M. Foteinou, **E.S. Lianidou**. REAL TIME QUANTIFICATION OF VASCULAR ENDOTHELIAL GROWTH FACTOR (VEGF) SPLICE VARIANTS IN NON SMALL CELL LUNG CARCINOMA AND ADJACENT NON CANCEROUS TISSUE.
- 36) D. Mavroudis, S. Apostolaki, M. Perraki, E. Politaki, N. Xenidis, A. Stathopoulou, **E. Lianidou**, V. Georgoulas. Detection of HER2 and CK19 mRNA positive

circulating Tumor Cells (CTCS) in the peripheral blood of patients with early stage breast cancer.

BRECOSM , PARIS 2006, Stathopoulou, M. Ntoulia, N. Malamos, D. Mavroudis, V. Georgoulis, **E Lianidou** A Highly Specific Real-time RT-PCR Method for the Quantitative Determination of CK-19 mRNA Positive Circulating Tumor Cells (CTCs) in Peripheral Blood of Patients with Operable Breast Cancer.

- 37) **ISMRC 2005: 5th International Symposium on Minimal Residual Cancer (ISMRC), San Francisco, September 2005**, Stathopoulou, M. Ntoulia, M. Perraki, S. Apostolaki, D. Mavroudis, N. Malamos, V. Georgoulis, **E. S. Lianidou**. A highly specific real-time RT-PCR method for the quantitative determination of CK-19 mRNA positive cells in peripheral blood of patients with operable breast cancer.

AACR 2005: 96th Annual Meeting of American Association of Cancer Research (AACR), Anaheim, California, USA.2005

- 38) Stathopoulou, M. Ntoulia, M. Perraki, S. Apostolaki, N. Malamos, D. Mavroudis, V. Georgoulis, **E. S. Lianidou**. An improved real-time RT-PCR method for the quantitative determination of CK-19 mRNA positive cells in peripheral blood of breast cancer patients. (**AVON FOUNDATION INTERNATIONAL TRAVEL AWARD, 2000\$**)

- 39) E. Zygalki, A. Stathopoulou, C. Kroupis, L. Kaklamanis, A. Hadjisavvas, M. Loizidou, M. Vassiliou, K. Kyriacou, **E.S. Lianidou**. Real time quantification of Vascular Endothelial Growth Factor (VEGF) splice variants in breast tissue samples.

- 40) M. Ntoulia, **E. S. Lianidou**, A. Stathopoulou, N. Malamos, D. Mavroudis, V. Georgoulis. Detection of mammaglobin A -mRNA positive cells in peripheral blood of early breast cancer patients.

- 41) **Breast Cancer Meeting, San Antonio, USA, 2005**, Xenidis N, Perraki M, Pallis A, Kalmanti L, Stathopoulou A, **Lianidou E**, Mavroudis D, Georgoulis V. Prognostic and predictive value of CK19 mRNA positive cells detected by real time RT-PCR in the peripheral blood of patients with axillary lymph node negative breast cancer receiving adjuvant chemotherapy.

AACR 2004: 95th Annual Meeting of American Association of Cancer Research (AACR), Orlando, Florida, USA, 2004.

- 42) Stathopoulou, M. Ntoulia, M. Perraki, S. Apostolaki, D. Mavroudis, N. Malamos, V. Georgoulis, **E. S. Lianidou**. CK19-mRNA QUANTIFICATION BY REAL-TIME PCR IN PERIPHERAL BLOOD OF WOMEN WITH OPERABLE BREAST CANCER BEFORE AND AFTER THE ADMINISTRATION OF ADJUVANT CHEMOTHERAPY.

- 43) M. Ntoulia, A. Stathopoulou, N. Malamos, M. Perraki, D. Mavroudis, V. Georgoulas, **E.S. Lianidou**. REAL-TIME PCR DETECTION OF MAMMAGLOBIN A mRNA IN PERIPHERAL BLOOD OF BREAST CANCER PATIENTS USING LIGHTCYCLER TECHNOLOGY.
- 44) E. Zygalki, A. Stathopoulou, C. Kroupis, L. Kaklamanis, Z. Kyriakidis, Arvaniti, Kouri, **E.S. Lianidou**. REAL TIME QUANTIFICATION OF VASCULAR ENDOTHELIAL GROWTH FACTOR (VEGF) SPLICE VARIANTS USING THE LIGHTCYCLER TECHNOLOGY.

ISMRC 2003, 4th International Symposium on Minimal Residual Cancer (ISMRC), Oslo, Norway, October 2003

- 45) Stathopoulou, A. Gkizi, M. Perraki, S. Apostolaki, D. Mavroudis, N. Malamos, V. Georgoulas, **E.S. Lianidou**. Real time RT-PCR quantification of CK-19-mRNA positive cells in peripheral blood of breast cancer patients using the LightCycler system.
- 46) M. Ntoulia, A. Stathopoulou, N. Malamos, M. Perraki, D. Mavroudis, V. Georgoulas and **E.S. Lianidou**. Real time RT-PCR detection of mammaglobin A -mRNA positive cells in peripheral blood of breast cancer patients using the LightCycler technology.
- 47) **11th UEGW, Madrid, Spain, 2003**. D. Dimitroulopoulos, K. Angelopoulou, A. Spiropoulou, A. Stathopoulou, D. Xinopoulos, K. Tsamakidis, **E.S. Lianidou**, E. Paraskevas. Development of a new RT-PCR luminometric hybridization method for hTERT active transcript in colorectal cancer.

Instrumental Methods of Analysis, (IMA), Thessaloniki, Greece, 2003

- 48) M. Ntoulia, A. Stathopoulou, N. Malamos, M. Perraki, D. Mavroudis, V. Georgoulas and **E.S. Lianidou**. Real time RT-PCR detection of mammaglobin A -mRNA using LightCycler technology.
- 49) E. Zygalki, A. Stathopoulou, C. Kroupis, L. Kaklamanis, T.G. Lyras, Z. Kyriakidis, **E.S. Lianidou**. Real time RT-PCR quantification of vascular endothelial growth factor (VEGF)-mRNA in clinical samples using the LightCycler technology.
- 50) C. Kroupis, A. Stathopoulou, N. Malamos, V. Georgoulas and **E. Lianidou**. Development of a quantitative real time RT-PCR method for BRCA1 mRNA.
- 51) **15th IFCC-FESCC European Congress of Clinical Chemistry and Laboratory Medicine, Barcelona, Spain, 2003**, C. Kroupis, A. Stathopoulou, N. Malamos, V. Georgoulas, **E. Lianidou**. Development of a quantitative real time RT-PCR method for BRCA1 mRNA.

52) **1st International Conference “Tumor Cell Dissemination in Breast Cancer”, Tuebingen, Germany, 2003**, Stathopoulou, A. Gkizi, M. Perraki, S. Apostolaki, D. Mavroudis, N. Malamos, V. Georgoulas, **E. Lianidou**. Real time quantification of CK-19 mRNA positive cells in peripheral blood of breast cancer patients using the LightCycler system.

53) **104th Annual Meeting of the American Gastroenterological Association, Orlando, Florida, USA, 2003**, K. Angelopoulou, D. Dimitroulopoulos, A. Spiropoulou, A. Stathopoulou, K. Tsamakidis, D. Xinopoulos, **E. Lianidou**, E. Paraskevas. Development of a novel RT-PCR luminometric hybridization assay for hTERT active transcript in colorectal cancer tissues.

54) **39th Annual Meeting of American Society of Clinical Oncology (ASCO), McCormick Place, Chicago, Illinois, USA, 2003**, V.Bozionelou, D. Mavroudis, M. Perraki, S. Apostolaki, A. Stathopoulou, **E. Lianidou**, V. Georgoulas. Trastuzumab administration eliminates chemotherapy-resistant cytokeratin-19 (CK-19) positive tumor cells from the peripheral blood (PB) and bone marrow (BM) of patients with breast cancer.

18th International Congress of Clinical Chemistry and Laboratory Medicine, Kyoto, Japan, 2002

55) Stathopoulou, A. Gkizi, **E. Lianidou**, D. Mavroudis, V. Georgoulas, S. Derdas, N. Malamos. Real time quantification of CK-19 positive cells in peripheral blood of breast cancer patients. (**Excellent Poster Award**)

56) K. Angelopoulou, A. Spiropoulou, A. Stathopoulou, D. Dimitroulopoulos, K. Tmakidis, D. Xinopoulos, E. Paraskevas² and **E.S. Lianidou**. Development of a novel RT-PCR luminometric hybridization assay for human telomerase reverse transcriptase (hTERT) active transcript. (**Excellent Poster Award**)

3rd Aegean Analytical Chemistry Days, Polihnitos, Lesvos, Greece, 2002

57) Stathopoulou, A. Gkizi, **E. Lianidou**, D. Mavroudis, V. Georgoulas, S. Derdas, N. Malamos. Real time quantification of CK-19 positive cells in peripheral blood of breast cancer patients.

58) K. Angelopoulou, A. Spiropoulou, A. Stathopoulou, D. Dimitropoulos, K. Tmakidis, D. Xinopoulos, E. Paraskevas, **E. S. Lianidou**. Development of a novel RT-PCR luminometric hybridization assay for human telomerase reverse transcriptase (hTERT) active transcript.

59) **93rd Annual Meeting of American Association of Cancer Research (AACR), San Francisco, California, USA, 2002**, K. Angelopoulou, A. Stathopoulou, A. Spyropoulou, D. Mauroudis, V. Georgoulas and **E. S. Lianidou**. Detection of human telomerase reverse transcriptase (hTERT) gene expression in peripheral blood of breast cancer patients with a novel RT-PCR luminometric hybridization assay.

60) 14th IFCC-FESCC European Congress of Clinical and Laboratory Medicine, EUROMEDLAB 2001, Prague, Czech Republic, 2001

61) A. Stathopoulou, K. Angelopoulou, V. Georgoulis and **E. S. Lianidou**. Quantitative luminometric hybridization assay for cytokeratin-19 mRNA in peripheral blood.

62) Kroupis C, A. Ladopoulou, I. Konstantopoulou, A. Pantazidis, M.B. Petersen, G. Fountzilias, D. Yannoukakos and **E. Lianidou** “Protein truncation test (PTT) for BRCA1 and BRCA2 mutation screening in Greece”, (Clin. Chem. Lab Med. **39**, S168).

63) **1st Congress of the World Society for Breast Health, Istanbul, 22-26 Sept. 2001**. Konstantopoulou I., A. Ladopoulou L. Ioannidou-Mouzaka, A.C. Schofield, C. Kroupis, A. Pantazidis, I. Tsiagas, S. Armaou, **E. Lianidou**, C. Tsionou, E. Efstathiou, G. Nasioulas, N.E. Haites, G. Fountzilias, N. Pandis and D. Yannoukakos “BRCA1 and BRCA2 mutation analysis in Greek patients with family history of breast/ovarian cancer”, (*The Breast Journal* **7** (5), S27). (**Best Investigator’s Award**)

AACR 2001: 92nd Annual Meeting of American Association of Cancer Research (AACR), New Orleans, USA, 2001.

64) K. Angelopoulou and **E.S. Lianidou**. Development of a Sensitive RT-PCR Hybridization Method for the Detection of Human Telomerase Reverse Transcriptase (hTERT) Expression.

65) Stathopoulou, K. Angelopoulou, V. Georgoulis and **E.S. Lianidou**. Quantitative RT-PCR Hybridization assay with luminometric detection for cytokeratin-19 mRNA in Peripheral Blood.

66) M. Kolioliou, **E.S. Lianidou** and M. Talieri. Development of a Quantitative Luminometric Hybridization Assay for the Determination of Telomerase Activity.

67) **ISMRC 2001: 3rd International Symposium on Minimal Residual Cancer (ISMRC), Hamburg, Germany, 2001**, Stathopoulou, K. Angelopoulou, V. Georgoulis and **E.S. Lianidou**. Quantitative RT-PCR Hybridization assay with luminometric detection for cytokeratin-19 mRNA in Peripheral Blood.

68) **10th International Congress of Human Genetics, Vienna, Austria, 2001**, Yannoukakos D., A. Ladopoulou, I. Konstantopoulou, A. Pantazidis, C. Kroupis, **E. Lianidou**, C. Tsionou, G. Nasioulas, G. Fountzilias and N. Pandis. “Frequency of BRCA1 and BRCA2 mutations in Greece”

69) **International Collaborative Group on Familial Breast-Ovarian Cancer, Venice, Italy, 2000**, Ladopoulou A., I. Konstantopoulou, A. Pantazidis, I. Tsiagas, C. Kroupis, **E. Lianidou**, C. Tsionou, E. Efstathiou, G. Nasioulas, G. Fountzilias, N. Pandis and D. Yannoukakos “BRCA1 and BRCA2 mutation

analysis in greek breast/ovarian cancer patients. Hellenic Cooperative Oncology Group (HECOG)”

70) **5th International HSBCR Congress, Athens, Greece, 2001**, Ladopoulou A., I. Konstantopoulou, L. Ioannidou-Mouzaka, C. Kroupis, A. Pantazidis, S. Armaou, **E. Lianidou**, C. Tsionou, E. Efstathiou, N.E. Haites, G. Nasioulas, D. Skarlos, G. Fountzilas, N. Pandis and D. Yannoukakos. “Germ line BRCA1 and BRCA2 mutations in Greek patients with family history of breast/ovarian cancer”. (**First Poster Award**)

71) **The Second International Symposium on the Molecular Biology Of Breast Cancer, Lillehammer, Norway, 2000**, Konstantopoulou, C. Croupis, A. Ladopoulou, A. Pantazidis, **E. Lianidou**, K. Venetsanou, E. Efstathiou, M. Petersen, J. Janinis, G. Fountzilas, E. Chiotellis and D. Yannoukakos. BRCA1 Mutation Analysis in Breast And Ovarian Cancer Families From Greece.

72) **17th International Congress of Clinical Chemistry, Florence, Italy, 1999**, **Lianidou E.S.**, Politis I, Angelopoulou K., Diamandis E.P. A simple SSCP protocol for mutational analysis of the p53 gene, optimized and evaluated in respect to DNA sequencing.

73) **AACR 1998: American Association of Cancer Research, Meeting, New Orleans, USA, 1998**, M.A. Levesque, **E.S. Lianidou**, K. Angelopoulou, H Yu, F. Genta, A. Durando, M. Massobrio, B. Bharaj, E. P. Diamandis and D. Katsaros. Mutational analysis versus ELISA for the detection of p53 abnormalities in ovarian carcinoma.

74) **18th European Workshop for Rheumatology Research, Athens, Greece, 1998**. K. Petrovas, **E.S. Lianidou**, P.C. Ioannou. Determination of Tumor Necrosis Factor- α (TNF- α) in serum by a highly sensitive enzyme amplified lanthanide immunoassay.

75) **AACC 1998: American Association of Clinical Chemistry, 50th meeting, Chicago, USA, 1998**. Angelopoulou K., Borchert G., Melegos D., **Lianidou E.S.**, Lilja H., Diamandis E.P. BRCA-1 antibodies react strongly with a protein present in seminal plasma.

AACC 1997: American Association of Clinical Chemistry, 49th Meeting, Atlanta, USA, 1997,

76) **E.S.Lianidou**, L. Bathrellos and P.C.Ioannou. A highly sensitive Enzyme Amplified Lanthanide Luminescence immunoassay for interleukin- 6 (IL-6).

77) **E.S.Lianidou**, K.Angelopoulou and E.P.Diamandis. Identification of Deletions and Insertions in the p53 Gene in ovarian tumors by high resolution Fragment Analysis and DNA sequencing.

16th International Congress of Clinical Chemistry, London, United Kingdom, 1996

- 78) P.C.Ioannou, **E.S. Lianidou**. A simple fluorimetric method for the determination of p-aminobenzoic acid and p-aminosalicylic acid in the NBT-PABA/PAS test of pancreatic function.
- 79) **E.S.Lianidou**, C.Veiopoulou, P.C.Ioannou, C.E.Efstathiou. A comparative study and clinical applications of fluorescent ternary complexes of terbium with EDTA and several aromatic organic ligands.
- 80) **E.S.Lianidou**, C.Veiopoulou, P.C.Ioannou. Application of terbium sensitised fluorescence for the determination of the fluoroquinolone antibiotics Norfloxacin and Ciprofloxacin in serum.
- 81) **6th International symposium on Luminescence Spectrometry in Biomedical Sciences, Brugges, Belgium, 1994.** P.C.Ioannou, **E.S. Lianidou**, D.G.Konstantianos. A simple, rapid, and sensitive spectrofluorimetric method for the determination of diflunisal in serum and urine, based on its ternary complex with terbium and EDTA.
- 82) **5th International Symposium on Luminescence Spectrometry in Biomedical Sciences, Ghent, Belgium, 1993,** **E.S. Lianidou**, P.C.Ioannou, E.Sacharidou. Second derivative synchronous scanning fluorescence spectrometry as a sensitive detection technique in immunoassays.
- 83) **9th International Bile Acid Meeting. Trends in Bile Acid Research, Freiburg, W.Germany, 1990,** **E.S. Lianidou**, C.D.Lazaropoulou, P.A.Siskos, D.S.Papastathopoulos, A.Makris and S.Hatziyannis. Ursodeoxycholic acid concentrations in serum of patients with Primary Biliary Cirrhosis.
- 14th International Congress of Clinical Chemistry, San Francisco, USA, 1990**
- 84) **E.S.Lianidou**, T.K.Christopoulos, E.P.Diamandis. Creatine Kinase Isoenzyme MB. Quantitation in serum with time resolved Immunofluorometry.
- 85) T.K.Christopoulos, **E.S. Lianidou**, E.P.Diamandis. Ultrasensitive analytical methodologies using time resolved fluorometry and laser excited solid phase measurements.
- 86) **10th International Bile acid Meeting, Freiburg, Germany, 1988,** **E.S.Lianidou**, D.S.Papastathopoulos, P.A.Siskos. Determination of ursodeoxycholic acid in serum by a new fluorimetric enzymatic method using 7 β -hydroxysteroid dehydrogenase from *Clostridium absonum*.
- 87) **Second International Symposium on kinetics in Analytical Chemistry, Preveza, Greece, 1986,** **E.S.Lianidou**, P.A.Siskos. Determination of kinetic parameters for 3 α -hydroxysteroid dehydrogenase using the five major bile acids and their conjugates as substrates and correlation with their structure and solubility.

Abstracts presented in Greek Scientific Meetings

- **A total of 60 abstracts presented in Greek Scientific meetings**
- **A total of 12 distinctions and awards in Greek Scientific meetings**