Evi Lianidou, Ph.D.

Professor of Analytical Chemistry – Clinical Chemistry
Laboratory of Analytical Chemistry
Analysis of Circulating Tumor Cells (ACTC) Lab
Dept of Chemistry
University of Athens
Athens, Greece
email:lianidou@chem.uoa.gr
Website: http://en.actc-lab.chem.uoa.gr/

1. Short Summary

Dr. Evi Lianidou is Professor of Analytical Chemistry and Clinical Chemistry at the Department of Chemistry, University of Athens, Greece. Her lab is specializing in the field of Liquid Biopsy since 1997, and especially in the Analysis of Circulating Tumor Cells, circulating tumor DNA and circulating miRNAs. Dr. Lianidou is an elected member and Chair of the Committee for Clinical Molecular Biology Curriculum of the International Federation of Clinical Chemistry (IFCC), (http://www.ifcc.org/ifcc-education-division/emd-committees/c-cmbc/) that offers training in Molecular Diagnostics all over the world by organizing courses and hands on workshops in combination with lectures and methodological issues. Dr. Lianidou is coordinating the M.Sc. Program of Clinical Chemistry, at the Department of Chemistry, University of Athens (http://en.clinical-chemistry.chem.uoa.gr/).

2. Publications

95 publications in International peer reviewed journals:
http://www.ncbi.nlm.nih.gov/pubmed/?term=lianidou

3. Organization of International meetings on Liquid Biopsy and CTCs:

a) "7th International Symposium on Minimal Residual Disease" September 2009, Athens, Greece. (http://ismrc2009.chem.uoa.gr),
b) "Advances in Circulating Tumor Cells: From Basic Research to Clinical Practice", October 2012, Athens, Greece. (www.actc2012.org)
c)) "Advances in Circulating Tumor Cells: From Basic Research to Clinical Practice", October 2014, Crete, Greece. (www.actc2014.org).

4. Research experience

Dr. Lianidou has established the ***Analysis of Circulating Tumor Cells (ACTC) Lab*** at the Department of Chemistry ***http://en.actc-lab.chem.uoa.gr/.*** The ACTC lab is specializing in the Analysis of Circulating Tumor Cells, circulating tumor DNA, as well as circulating

miRNAs. ACTC lab has access to many cancer patient samples through extensive clinical collaborations, in Greece, Germany, Poland, Austria, France and in many other European countries.

Dr. Lianidou's main research interests and publications are on the following areas:

- Development of Companion Diagnostic assays in the field of Liquid biopsy
- Development of single-plex and multiplex quantitative RT-qPCR assays for the detection and molecular characterization of CTCs,
- Development and clinical evaluation of multiplex assays for gene expression in CTCs based on the liquid bead array (Luminex system).
- Development and clinical evaluation of DNA methylation assays in CTCs and ctDNA,
- Development and clinical evaluation of highly sensitive assays for mutation analysis in CTCs and in ctDNA,
- Evaluation of circulating miRNAs as tumor biomarkers in plasma.

5. Research grants (ongoing)

Year (Duration)	Title	Website, Funding agency
2015-2019	**"CANCER-ID"** **Cancer treatment and monitoring through identification of circulating tumour cells and tumour related nucleic acids in blood**	**http://www.cancer-id.eu/,** **http://www.cancer-id.eu/partners/academic-partners/university-of-athens/** **IMI project**: 33 partners
2013-2015	**"Liquid biopsy: In vivo capturing and molecular characterization of circulating tumor cells as a novel tool for improving tertiary prevention in breast cancer"**	**GERMANY GREECE COOPERATION** Partner 1: K. Pantel, **University Medical Center Hamburg-Eppendorf**, Germany (the Coordinator in Germany) Partner 2: K. Lucke, GILUPI GmbH c/o Innovationszentrum Golm, R&D Company, Potsdam, Germany Partner 3: Evi Lianidou, University of Athens, Greece (the Coordinator in Greece) Partner 4: V. Georgoulias, University of Crete, Greece
2012-2015	**Circulating Tumor Cells as Biomarker for Minimal Residual Disease in Prostate Cancer**	Grant: ERA-NET on Translational Cancer Research (TRANSCAN) Partners: K. Pantel, Univ of Hamburg, Germany (co-ordinator) E. Lianidou, Univ of Athens, Greece C. Panabieres, University Medical Centre of Montpellier Saint-Eloi Hospital, France Peter Sedlmayr, Medical University of Graz, Austria Maciej Zabel, Poznan University of Medical Sciences, Poland