europass



Areti Strati

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EDUCATION & TRAINING

[15/01/2007 - 04/12/2009] **Ph.D. in Clinical Chemistry**

National and Kapodistrian University of Athens

[30/09/2004 - 30/10/2006] **MSc in Clinical Chemistry**

National and Kapodistrian University of Athens

[01/09/1999 - 01/09/2004] **BSc in Chemistry**

National and Kapodistrian University of Athens

WORK EXPERIENCE

National and Kapodistrian University of Athens

City: Athens | **Country:** Greece

[28/05/2025 - Current] **Assistant professor, Medical School**

National Accreditation System, Laboratory Accreditation Division

Country: Greece

[01/12/2023 - 30/09/2024] **Accreditation Manager**

Center for Innovation & Entrepreneurship, Archimedes, NKUA

City: Athens | **Country:** Greece

[01/01/2023 - 01/11/2023] **Technology Transfer Office Staff Member.**

National Accreditation System, Laboratory Accreditation Division

City: Athens | **Country:** Greece

[27/04/2026 - Current] **Assessor for ISO 15189:2022**

National Accreditation System, Laboratory Accreditation Division

City: Athens | **Country:** Greece

[01/06/2025 - Current] **Assessor of ISO 20387:2018 (Biotechnology — Biobanking — General Requirements for Biobanking)**

SKILLS

biomarkers | ddPCR | CTCs | Liquid Biopsy | Molecular Diagnostics | Molecular analysis | DNA methylation analysis | mRNA expression

LANGUAGE SKILLS

Mother tongue(s): Greek

Other language(s):

English

LISTENING: B1 **WRITING:** B2

SPOKEN PRODUCTION: B2 **SPOKEN INTERACTION:** B1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

EDITORIAL ROLES

Guest Editor

Special Issue : "Liquid Biopsy in Non-Small Cell Lung Cancer for Diagnosis, Treatment Selection and Monitoring"
(https://www.frontiersin.org/research-topics/64929/liquid-biopsy-in-non-small-cell-lung-cancer-for-diagnosis-treatment-selection-and-monitoring).

Guest Associate Editor

Special Issue : "Predictive and Prognostic Value of Liquid Biopsy Biomarkers in Metastatic Cancers: from Basic Science, across High Throughput Profiling up to Clinical Practice".
(https://www.frontiersin.org/research-topics/49426/predictive-and-prognostic-value-of-liquid-biopsy-biomarkers-in-metastatic-cancers-from-basic-science-across-high-throughput-profiling-up-to-clinical-practice).

Guest Editor

Special Issue "The Biology of Circulating Tumor Cells 2.0". Deadline for manuscript submissions: 15 December 2023
(https://www.mdpi.com/journal/biomedicines/special_issues/KR9567Y7HG).content

REVIEWER FOR INTERNATIONAL PEERREVIEWED JOURNALS

Research Journals

Frontiers in Genetics, Frontiers in Medicine, Frontiers in Oncology, BMC Cancer, BMC Medicine, Molecular Oncology, Cancers, Nature Reviews Urology, European Journal of Cancer, Journal of Clinical Medicine, Advances in Clinical Chemistry, Journal of Translational Medicine, Biomedicines, Oral Oncology, Clinical Chemistry and Laboratory Medicine (CCLM), Genes, Measurement, BioMed Research International, ESMO Open, npj Breast Cancer

HONOURS AND AWARDS

[01/11/2015] **UICC Yamagiwa-Yoshida Memorial International Cancer Study Grant Awarding institution:** Joan & Sanford I. Weill Medical College of Cornell University, NY, USA

[06/04/2013] **2013 AACR-GlaxoSmithKline Outstanding Clinical Scholar Award Awarding institution:** AACR Annual Meeting 2013, Washington, DC

[26/09/2012] **Poster Award Awarding institution:** Advances in Circulating Tumour Cells (ACTC) from Basic Research to Clinical Practice

[12/04/2008] **AACR 2008 -Avon Foundation International Travel Award Awarding institution:** AACR Annual Meeting 2008, San Diego, USA

[26/04/2007] **Poster Award Awarding institution:** 3rd Intercompany Anticancer Conference, Athens, Greece

RESEARCH PROJECT PARTICIPATION

[01/08/2021 - 01/12/2022] **NSRF "Research – Create – Innovate"**

"Development of innovative diagnostic tools for the detection and characterization of Circulating Tumor Cells (CTCs) in patient blood."

Role: Postdoctoral Research Associate, P.I.: Evi Lianidou, Ph.D – Coordinator: Galatea Kallergi, Ph.D

[01/11/2018 - 01/07/2021] **NSRF "Research – Create – Innovate"**

"Liquid Biopsy: Development, validation, and clinical evaluation of innovative molecular diagnostic assays for cancer biomarkers in peripheral blood."

Role: Postdoctoral Research Associate, Coordinator: Evi Lianidou, Ph.D, NKUA

[01/06/2017 - 01/10/2017] **Sunrise**

"Phase III, randomized, doubleblind, placebocontrolled, multicenter study of bavituximab in combination with docetaxel versus docetaxel alone as secondline therapy in patients with nonsquamous, stage IIIb/IV nonsmall cell lung cancer."

Role: Postdoctoral Research Associate, Coordinator: Amanda Psyrri, M.D., Ph.D,

[01/02/2016 - 01/05/2017] **Cancer ID-IMI Innovative Medicine Initiative**

"Cancer treatment and monitoring through identification of circulating tumor cells and tumor related nucleic acids in blood".

Role: Postdoctoral Research Associate, Coordinator: Prof. K. Pantel, UKE, Germany; P.I.: Evi Lianidou, Ph.D, NKUA

[01/03/2014 - 01/10/2015] **Liquopsy**

"Liquid Biopsy: Invivo isolation and molecular characterization of circulating tumor cells as a novel tool to improve tertiary prevention in breast cancer."

Role: Postdoctoral Research Associate, Coordinator: Prof. K. Pantel, UKE, Germany; P.I.: Evi Lianidou, Ph.D, NKUA

[01/03/2011 - 01/02/2014] **COOPERATION–EPAN II (GSRT)**

"Biology of circulating tumor cells: Metastasis and development of liquid biopsy methods (OncoSeed Diagnostics)."

Role: Postdoctoral Research Associate, Coordinator: Georgios Mavrothalassitis, Institute of Molecular Biology and Biotechnology, FORTH, P.I: EvI Lianidou, Ph.D, NKUA

PATENTS

Lianidou Evrykleia and Strati Areti, Pharmassist Ltd

PCT Application No. PCT/GR2015/000054, 27.10.2015, Publication of EP3368683A1/05.09.2018, US20190085401A1/21.03.2019. ''METHOD FOR THE

QUANTIFICATION OF PD-L1 EXPRESSION''.

Website: https://oncolipsy.com/

PARTICIPATION IN CONFERENCE ORGANIZATION

Local Organizing Committee

1. 6th Advances in Circulating Tumor Cells: Liquid Biopsy in its best, Advances in Circulating Tumor Cells (ACTC), 20-23 September, Skiathos, Greece, 2023.
2. 7th Advances in Circulating Tumor Cells: Liquid Biopsy in its best, Advances in Circulating Tumor Cells (ACTC), 24-27 September, Thessaloniki, Greece, 2025.

INVITED PRESENTATIONS

National Panhellenic Conferences

- 2026: ctDNA and molecular residual disease. Masterclass on Tumor Biomarkers, Athens, Greece.
- 2024: PD-L1 in CTCs and immunotherapy response. Workshop on the topic: “LIQUID BIOPSY: Latest developments, possibilities, and prospects in modern oncology,” Athens, Greece.
- 2023: Findings from a comparative study of circulating tumor cells and ctDNA in patients with breast cancer. 7th Annual Meeting on Cancer Biology and New Molecules in Cancer Therapeutics, November 23–25, 2023, Golden Age Hotel. Organized by: Hellenic Oncology Forum
- 2023: The molecular heterogeneity of circulating tumor cells in breast cancer. Masterclass on Tumor Biomarkers, Athens, Greece.
- 2023: The Clinical Relevance of CTCs in Prostate Cancer, Athens, Greece.
- 2023: Molecular detection of JUNB in CTCs from patients with prostate cancer. Development of Innovative Diagnostic Tools for the Detection and Characterization of Circulating Tumor Cells in Patients’ Blood (JUNBlood), University of Patras Conference Center, Greece.
- 2023: How Is Liquid Biopsy Changing the Management of Breast Cancer Patients? Conference on Therapeutic Advances in Oncology: Breast Cancer and Gynecologic Oncology, Athens, Greece.
- 2023: Liquid biopsy in the era of immunotherapy. Workshop on the topic: “LIQUID BIOPSY: Latest developments, possibilities, and prospects in modern oncology,” Athens, Greece.
- 2022: The Molecular Heterogeneity of Circulating Tumor Cells in Breast Cancer. Masterclass on Tumor Biomarkers, Athens, Greece.
- 2021: The molecular heterogeneity of CTCs. Master Class on Tumor Biomarkers, Athens, Greece.
- 2021: The role of liquid biopsy as a prognostic/predictive marker in prostate cancer. 5th Interdisciplinary Urological Cancer Preceptorship, Chania, Greece.
- 2020: The role of liquid biopsy as a prognostic/predictive marker in prostate cancer." 3rd Interdisciplinary Urological Cancer Preceptorship, Chania, Greece.
- 2019: Early Assessment of Lung Cancer Immunotherapy Response via Circulating Tumor DNA, The Landscape of Actionable Genomic Alterations in Cell-Free Circulating Tumor DNA from 21,807 Advanced Cancer Patients, RAS mutation analysis in circulating tumor DNA from patients with metastatic colorectal cancer: the AGEORASANC prospective multicenter study. Annual Update on Advances in Medical Oncology 2018, Athens, Greece.
- 2019: “Molecular Markers at the Gene Expression Level in Circulating Cancer Cells.” 1st LIQUID BIOPSY SYMPOSIUM: Latest developments, possibilities, and prospects in modern oncology, Athens, Greece.

- 2019: The Role of ctDNA as a Predictive/Prognostic Marker. Central Greece Oncology Conference, Larissa, Greece.
- 2018: Liquid biopsy in cancer diagnosis. Workshop on the Genetics of Hereditary Cancers in the Era of Multiplex Parallel Sequencing and Targeted Therapy, Athens, Greece.
- 2017: Clinical Significance of Circulating Tumor Cells (CTCs). 2nd Overview of New Cancer Therapies: Theory and Practice, Nafplio, Greece.
- 2016: Circulating tumor cells in cancer patients. 15th Symposium on New Molecules in Cancer Therapeutics, Athens, Greece.

International Conferences

- 2025 – PDL1 in CTCs and immunotherapy response. IFCC Emerging Technologies Division Satellite Meeting, 23rd Greek National Congress of Clinical Chemistry, KEDEA, Aristotle University of Thessaloniki, Greece.
- 2020 – Circulating tumour DNA methylation markers in cancer. Liquid Biopsy Symposium, 23–25 January 2020, Santiago de Compostela, Spain.
- 2019 – The clinical significance of CTCs in cancer. ESCCA Summer School of Flow Cytometry for Immunology, Kos, Greece.

PUBLICATIONS

Selected Recent Publications

Reference: https://www.ncbi.nlm.nih.gov/myncbi/areti.strati.1/bibliography/public/

- Ntzifa A, Themistokli E, **Strati A**, Zavridou M, Tsaroucha E, Sfika A, Psyrri A, Balgouranidou I, Kotsakis A, Georgoulias V, et al. AXL-mRNA Overexpression in Size-Based Enriched Circulating Tumor Cells as a Potential Biomarker for Anti-AXL Targeted Therapies in Non-Small-Cell Lung Cancer. Cancers. 2026; 18(11):1759.
- **Strati A***, Papavassiliou KA, Papavassiliou AG*****. Liquid Biopsy in Cancer: The Importance of Integrating Bioinformatics Approaches Towards the Development of a Personalized Molecular Profile. Cancers (Basel). 2025 Dec 31;18(1):140.
- **Strati A***, Zavridou M, Papavassiliou KA, Papavassiliou AG. Comprehensive Liquid Biopsy Approaches for the Clinical Management of Lung Cancer Using Multiple Biological Matrices. Int J Mol Sci. 2025 Nov 22;26(23):11304.
- **Strati A***, Adamopoulos C, Kotsantis I, Psyrri A, Lianidou E, Papavassiliou AG. Targeting the PD-1/PD-L1 Signaling Pathway for Cancer Therapy: Focus on Biomarkers. Int J Mol Sci. 2025 Jan 31;26(3):1235.
- Roumeliotou A†, **Strati A**†, Chamchougia F, Xagara A, Tserpeli V, Smilkou S, Lagopodi E, Christopoulou A, Kontopodis E, Drositis I, et al. Comprehensive Analysis of CXCR4, JUNB, and PD-L1 Expression in Circulating Tumor Cells (CTCs) from Prostate Cancer Patients. Cells. 2024; 13(9):782.
- Kwapisz D*, Pawlikowska P. and **Strati A.** Editorial: [Predictive and Prognostic Value of Liquid Biopsy Biomarkers in Metastatic Cancers: from Basic Science, across High Throughput Profiling up to Clinical Practice]. Front. Oncol. - Molecular and Cellular Oncology, 2024, 14:1375711.
- **Strati, A.*;** Economopoulou, P.; Lianidou, E.; Psyrri, A. Clinical Significance of PD-L1 Status in Circulating Tumor Cells for Cancer Management during Immunotherapy. Biomedicines 2023, 11, 1768.
- **Strati A**, Markou A, Kyriakopoulou E and Lianidou E. Detection and molecular characterization of circulating tumor cells: challenges for the clinical setting. Cancers, 2023; 15(7):2185.
- Stergiopoulou D, Markou A, **Strati A**, Zavridou M, Tzanikou E, Mastoraki S, Kallergi G, Georgoulias V, Lianidou E. Comprehensive liquid biopsy analysis as a tool for the early detection of minimal residual disease in breast cancer. Sci Rep. 2023 Jan 23;13(1):1258.
- Zavridou M, Smilkou S, Tserpeli V, Sfika A, Bournakis E, **Strati A*** and Lianidou E*. Development and analytical validation of a 6-plex Reverse Transcription Droplet

Digital PCR assay for the absolute quantification of prostate cancer biomarkers in circulating tumor cells of patients with Metastatic Castration-Resistant Prostate Cancer. Clin Chem2022: hvac125.

Book Chapters

- Lianidou, E., Markou, A., **Strati, A.,** Ntzifa, A. (2023). Development and Validation of Molecular Assays for Liquid Biopsy Applications. In: Cote, R.J., Lianidou, E. (eds) Circulating Tumor Cells. Current Cancer Research. Springer, Cham.
- Lianidou, E.S., Markou, A., **Strati, A.** (2016). Molecular Assays for the Detection and Molecular Characterization of CTCs. In: Cote, R., Datar, R. (eds) Circulating Tumor Cells. Current Cancer Research. Springer, New York, NY.
- Lianidou ES, Markou A, **Strati A.** (2015). The Role of CTCs as Tumor Biomarkers. In:R. Scatena (ed.)Advances in Cancer Biomarkers, Advances in Experimental Medicine and Biology;867:341-67.
- Lianidou, E.S., Markou, A., **Strati, A.** (2014). Circulating Tumor Cells as a Real-Time Liquid Biopsy: Isolation and Detection Systems, Molecular Characterization, and Clinical Applications. In: McManus, L.M., Mitchel, R.N. (eds). Pathobiology of Human Disease: A Dynamic Encyclopedia of Disease Mechanisms, pp. 4113–4130.

MEMBERSHIPS IN SCIENTIFIC SOCIETIES

Associate member of American Association of Cancer Research (AACR)

Link:
https://www.aacr.org/professionals/membership/become-a-member/membership-categories/associate-membership/

Member of International Society of Liquid Biopsy (ISLB)

Link: https://islb.info/

Member of the Hellenic Society of Clinical Chemistry and Clinical Biochemistry (EEKX-KB)

Link: https://eekx-kb.gr

Hellenic Society for Liquid Biopsy (EEVBI)

Link: https://hsliquidbiopsy.wixsite.com/2021