

PERSONAL INFORMATION

Stavroula Smilkou

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Sex Female | Date of birth 23/04/1995 | Nationality Greek

EDUCATION

From 11/2019 to today:

PhD student, Analysis of Circulating Tumor Cells Lab, Department of Chemistry, University of Athens, Greece

Title: «Development and validation of molecular assays for gene expression and mutation status in liquid biopsies samples»

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

From 10/2017 to 07/2019:

Postgraduate studies MSc in Clinical Chemistry

Grade 9.44 "Excellent"

Analysis of Circulating Tumor Cells Lab, Department of Chemistry, University of Athens, Greece

From 09/2013 to 06/2017:

BSc, Chemistry degree, Department of Chemistry, University of Ioannina

Grade 7.95 "Very Good"

▪ Specialization in the field of Biochemistry & Clinical Chemistry

From 09/2010 to 06/2013:

Graduated from the High School of Goumenissa, Kilkis

Grade 18.6/20 "Excellent"

**COMPLEMENTARY
EDUCATION**

From 09/2021 to 07/2022:

"Environmental Education-Education for Sustainable Development"

SCIENTIFIC EXPERIENCE

From 07/2020 to 12/2020:

Clinical Chemist, immunobiochemical analyzer (Elecsys e411) operator Roche, Research Study "Seroprevalence of Antibodies against SARS-CoV-2 among the Personnel and Students of the National and Kapodistrian University of Athens"

From 12/2021 to 01/2022
 From 11/2019 to 02/2020
 From 11/2018 to 02/2019

Clinical Chemistry Laboratory Assistant, Department of Chemistry, University of Athens, Laboratory training of undergraduate students of the Department of Chemistry and Pharmacy

From 12/2021 to 01/2022
 From 11/2019 to 01/2020
 From 11/2017 to 02/2018

Laboratory Assistant of Analytical Chemistry, Department of Chemistry, University of Athens, , Laboratory training of undergraduate students of the Department of Biology

From 12/07/2018 to
 19/09/2018

Internship at the Biochemical Department of the Evangelismos General Hospital of Athens "

Laboratory Techniques

- Isolation of circulating tumor cells using automated machine of microfluidics (Parsortix, ANGLE)
- Isolation of RNA & DNA from plasma and circulating tumor cells
- Real time PCR (Cobas z480, LightCycler 1.5 & 2.0 Technology, Roche Diagnostics)
- Digital PCR (STILLA, BIORAD)
- Gene expression analysis and mutation analysis

SCIENTIFIC PUBLICATIONS

- Martha Zavridou, **Stavroula Smilkou**, Victoria Tserpeli, Aggeliki Sfika, Evangelos Bourmakis, Areti Strati, Evi Lianidou, 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, *Clinical Chemistry*, 2022,; hvac125, <https://doi.org/10.1093/clinchem/hvac125>
- Markou, A.N.; **Smilkou, S.**; Tsaroucha, E.; Lianidou, E. The Effect of Genomic DNA Contamination on the Detection of Circulating Long Non-Coding RNAs: The Paradigm of MALAT1. *Diagnostics* 2021, 11, 1160. <https://doi.org/10.3390/diagnostics11071160>
- Tsitsilonis OE, Paraskevis D, Lianidou E, Terpos E, Akalestos A, Pierros V, Kostaki EG, Kastritis E, Moutsatsou P, Politou M, Scorilas A, Sphicopoulos T, Thomaidis N, Trougakos IP, Tsakris A, Voulgaris N, Daskalaki CC, Evangelakou Z, Fouki C, Gianniou DD, Gumeni S, Kostopoulos IV, Manola MS, Orologas-Stavrou N, Panteli C, Papanagnou E-D, Rousakis P, Sklirou AD, **Smilkou S**, Stergiopoulou D, Tsiodras S, Dimopoulos M-A, Sfrikakis PP. SARS-CoV-2 Infection Is Asymptomatic in Nearly Half of Adults with Robust Anti-Spike Protein Receptor-Binding Domain Antibody Response. *Vaccines*. 2021; 9(3):207. <https://doi.org/10.3390/vaccines9030207>
- Zavridou M, Strati A, Bourmakis E, **Smilkou S**, Tserpeli V, Lianidou E. Prognostic Significance of Gene Expression and DNA Methylation Markers in Circulating Tumor Cells and Paired Plasma Derived Exosomes in Metastatic Castration Resistant Prostate Cancer. *Cancers*. 2021; 13(4):780. <https://doi.org/10.3390/cancers13040780>
- Tsitsilonis OE, Paraskevis D, Lianidou E, Pierros V, Akalestos A, Kastritis E, Moutsatsou P, Scorilas A, Sphicopoulos T, Terpos E, Thomaidis N, Tsakris A, Voulgaris N, Daskalaki CC, Evangelakou Z, Fouki C, Gianniou DD, Gumeni S, Kostaki E-G, Kostopoulos IV, Manola MS, Orologas-Stavrou N, Panteli C, Papanagnou E-D, Rousakis P, Sklirou AD, **Smilkou S**, Stergiopoulou D, Trougakos IP, Tsiodras S, Sfrikakis PP, Dimopoulos M-A. Seroprevalence of Antibodies against SARS-CoV-2 among the Personnel and Students of the National and Kapodistrian University of Athens, Greece: A Preliminary Report. *Life*. 2020; 10(9):214. <https://doi.org/10.3390/life10090214>

ORAL PRESENTATIONS

- «THE EFFECT OF GENOMIC DNA CONTAMINATION ON THE DETECTION OF CIRCULATING LONG NON-CODING RNAs: THE PARADIGM OF MALAT1», 19th Panhellenic Conference of Clinical Chemistry – Clinical Biochemistry, 4-6 November 2021, Athens

POSTER PRESENTATIONS

- 1.«THE EFFECT OF GENOMIC DNA CONTAMINATION ON THE DETECTION OF CIRCULATING LONG NON-CODING RNAs: THE PARADIGM OF MALAT1», 5th Advances in Circulating Tumor Cells: “Liquid Biopsy in its best” (ACTC 2021), Kalamata, 22-25 September 2021
- 2.«THE EFFECT OF GENOMIC DNA CONTAMINATION ON THE DETECTION OF CIRCULATING LONG NON-CODING RNAs: THE PARADIGM OF MALAT1», III ANNUAL ISLB CONGRESS 2021 - LIQUID BIOPSY, 22 October 2021, Virtual
- 3.«CTLA-4 expression in CTCs of cancer patients under Immunotherapy», 2nd EACR Conference on Liquid Biopsies, 24-26 May 2022, Bergamo, Italy, **Meeting Bursary Award**

PERSONAL SKILLS**Native language**

Greek

OTHER LANGUAGES**English**

Very good Knowledge of English (ECPE, Certificate of Proficiency in English, University of Michigan, Level **C2**), May 2019

Organizational / management skills

Collaborative, diligent, willing, responsible

Computer skills**Certificate of Key CERT IT Basic PLUS (2008)**

- Very good knowledge of Office (Word processing, Spreadsheets Excel, Presentations Power Point)
- Internet applications, Computer practice & file management, Databases
- Website creation and management
- In silico primer design, PrimerPremier, MethPrimer
- Knowledge of statistical analysis SPSS version 26.0

Active member in scientific associations

- Member of Hellenic Society of Chemists
- Member of Hellenic Society of Liquid Biopsy
- Member of European Association for Cancer Research (EACR)

CONFERENCES

Seminars

Lessons

- **2nd EACR Conference on Liquid Biopsies, 24-26 May 2022, Bergamo, Italy (Meeting Bursary Award)**
- **VII SIMPOSIO BIOPSIA LÍQUIDA (virtual), 26th to 28th January 2022 (22 lective hours)**
- **Full day webinar on “Liquid Biopsy in the Clinical Setting”, 15 January 2022**
- Best of San Antonio Breast Cancer Symposium – Greece 2021, 15 January 2022 (6 CME-CPD credits)
- **19th Panhellenic Conference of Clinical Chemistry – Clinical Biochemistry, 4-6 November 2021, Athens**
- **III ANNUAL ISLB CONGRESS 2021 - LIQUID BIOPSY, 22 October 2021, Virtual**
- **5th Advances in Circulating Tumor Cells: “Liquid Biopsy in its best” (ACTC 2021), Kalamata, 22-25 September 2021**
- **Statistical Analysis program SPSS, November-December 2020**
- ISLB Annual Meeting, 30 October 2020, Virtual Congress
- 12th ISMRC VIRTUAL- SHANGHAI, 24-25 October 2020
- 18th Panhellenic Conference of Clinical Chemistry – Clinical Biochemistry, online 15-17 October 2020
- AACR Virtual Annual Meeting II 2020, online on June 22 – 24, 2020
- AACR Virtual Annual Meeting I 2020, online on April 27–April 28, 2020
- Masterclass on Tumor Biomarkers, Athens, 10-11 October 2019
- 4th ACTC “Advances in Circulating Tumor Cells - Liquid Biopsy: Latest Advances and Future Challenges”, 2-5 October 2019, Corfu, Greece
- “Best of 19th IASLC World Conference on Lung Cancer (WCLC) 2018”, 2 February 2019
- 16th Panhellenic Conference of Clinical Chemistry, 11-13 October 2018
- Masterclass on Tumor Biomarkers, Hellenic Society of Molecular Therapeutic Targeting of Cancer, Athens, 20-21 September 2018
- 3rd Masterclass Gynaecological Oncology 2018: Ovarian Cancer, Athens, 8-9 June 2018
- **12 hours total classes, issues related to In Vitro Diagnostic Laboratories, GSCC-CB, March-June 2018**
- 23rd Seminar of Continuing Education, “The protection of personal data through risk management in In Vitro Diagnostic Laboratories”, GSCC-CB, Athens, 5 May 2018 “Yearly Update of Advances in Medical Oncology 2017”, Athens, 20-21 April 2018 (16 CME-CPD credits)
- 68th Panhellenic Conference of Hellenic Society of Biochemistry & Molecular Biology, Athens, 10-12 November 2017 3rd Symposium on “Advances in Cancer Immunology and Immunotherapy”, Athens, 2-4 November 2017 (20 CME-CPD credits)
- Masterclass on Tumor Biomarkers, Hellenic Society of Molecular Therapeutic Targeting of Cancer, Athens, 19-20 October 2017 (14 CME-CPD credits)
- 67th Panhellenic Conference of Hellenic Society of Biochemistry & Molecular Biology, Ioannina, 25-27 November 2016
- 1st International Workshop on Reshaping Drug Discovery: The Intrinsically Disordered Proteome as Drug Target, Ioannina, 19 June 2015