

CURICULUM VITAE

Ekaterini Alexiou Chatzaki – Professor Pharmacology

Personal Webpages: <http://pharmacology.med.duth.gr/staff/chatzaki.html>
<https://agro-health.hmu.gr/en/home/staff/members-health/>

EDUCATION /TRAINING Trajectory

INSTITUTION AND LOCATION	DEGREE	YEAR(s)	FIELD OF STUDY
Kapodistiako University of Athens, Greece	BSc	1991	Biology
University of London, St. Bartholomew's and The Royal London School of Medicine and Dentistry, UK.	PhD	1996	Medicine
Medical School, Univ. Crete, Greece	Postdoctoral	1996-1998	Pharmacology
Neurocrine Biosciences Inc., La Jolla, CA, US	Industrial Postdoc	2001-2003	Pharmaceutical R&D

A. ACADEMIC AND PROFESSIONAL POSITIONS

2022: Founder and CEO, start-up ABCureD IKE

2020-present: Director, Institute Agri-Health, Hellenic Mediterranean University Research Centre, Greece

2002-present: Professor, Director, Laboratory of Pharmacology, Faculty of Medicine, Democritus University of Thrace (2002-Lecturer, 2007 Assistant Professor, 2012 Associate Professor, 2017-full Professor).

2017-2018: Visiting Fellow, Institute of Molecular Biology and Biotechnology, FORTH (host: Prof. G. Garinis)

2001-2003: Researcher, Neurocrine Bioscience Inc.

1999-2001: Adjunct Professor, Laboratory of Pharmacology, Medical School, University of Crete

1992-1996: Medical Laboratory Scientific Officer, St. Bartholomew's and The Royal London School of Medicine and Dentistry, London, UK

1995: Researcher, MRC Centre for Reproductive Biology, Edinburgh, Scotland, UK

Number of trainees

Ph.D. students: 6 (supervisor, 1 on-going, 5 completed graded 'Excellent'), 11(Consulting Committee), 9 (Examining Committee)

Postdoctoral fellows: 5

MSc thesis: >30

Pre-graduate students: >25

Current team composition

5 post-doctoral Researchers, 1 PhD student, 3 diploma students

Major Projects on Biomarker and Drug target discovery

- Epigenetics/Pharmacoepigenetics/Precision Medicine
- Liquid biopsies in human pathology, on-going projects in cancer and diabetes
- Automated Machine Learning in biomarker discovery

Publication overview

- >100 scientific articles (PubMed), Impact factor all: 482(mean: 4.7)/top 50: 323,8 (mean: 6.5)

Google Scholar: >3600 citations, H-index 34, i10-index: 79

Scopus H Index:29

- 26 scientific articles in national and other forums

- 4 monographs

- 16 chapters in books

- 4 course chapters

- EPO/WIPO PCT patent application (EP21386030, PCT/EP2022/000048 filing date 20/5/2022).

ADVISORY-ADMINISTRATIVE DUTIES

- Member of the Health Technology Assessment Committee, Ministry of Health, Greece
- Expert Evaluator and Rapporteur in H2020-PHC, Phase I and II, PHC-10, and Fast Track to Innovation, EIC-FTI Horizon 2018-2020, HORIZON-WIDERA-2022-TALENTS, HORIZON-WIDERA-2021-ACCESS, HORIZON-HLTH-2021-CARE, ERASMUS+
- Evaluator in Programs of the European Union's H2020 Programme (The Marie Skłodowska-Curie actions), the Croatian Science Foundation, the Italian Ministry of Education, Universities and Research REPRISE (MIUR), the Aarhus University Research Foundation (AUFF), Research and Innovation Foundation of Cyprus, CINECA.
- Evaluator in proposals for "HRAKLITOS II", "Practical Training" Greek Ministry of Education, Program "Karatheodoris", University of Patras, "Young Investigators", "Research-Innovation-Development" of the GSRT, 'Research Projects to support Postdoctoral Researchers' H.F.R.I and others.
- Certifier for the Greek General Secretariat for Research and Technology (GSRT) for the Programs 'Excellence I and II'.
- President of the Scientific Ethics Committee of the General University Hospital of Alexandroupolis, of Democritus University of Thrace, since 2015.
- Member of the Scientific Committee of the General University Hospital of Alexandroupolis, of Democritus University of Thrace, since 2015.
- Contributing Associate Editor-in-Chief του World Journal of Gastroenterology
- Accossiate Editor: Frontiers in Pharmacology
- Guest Editor: International Journal of Molecular Science
- Member of Editorial Board of Epigenetic Diagnosis & Therapy, World J Gastroenterology, Wo Gastrointestinal Oncology, World J. Pharmacology, Int. J Medicine, J Gastroenterology and Hepatology Conference Papers in Molecular Biology, Hormones, Journal of Clinical Medicine, Dataset paper Pharmacology.
- Reviewer_NanoTody (**IF 20**), Oncogene (Nature Publishing group, **IF 9.9**), Lancet's EBioMed (**IF 8.1**), Scientific Reports (Nature Publishing group), Brain Sciences, Epigenomics, International Journal of Molecular Sciences (**IF 6,2**), Tumor Biology, Cancer Biomarkers, Frontiers in Cell and Developmental Biology (**IF 6,7**), Breast Cancer, Cancer Communications, Biomedicines Cancer Management and Research, Gynaecological Oncology (*Recognized Reviewer Status*), Journal of Endocrinology, Molecular Cancer, Journal of Obstetrics and Gynaecology Research, Journal of Cellular Physiology, Cancer Microenvironment, Cancer Science, CNS Drugs, Frontiers of Enteric Neuroscience, Clinical and Experimental Pharmacology and Physiology, Mutation Research, Recent Patents on Endocrine Metabolic and Immune Drug Disorders, Hormones, Current Molecular Pharmacology, Biological Chemistry, Toxins, Current Molecular Pharmacology, Springer Plus, OMICs, Psychoneuroendocrinology
- Member of the Scientific/Steering Committee of two Post-Graduate Programs of the Faculty of Medicine, DUTH.
- Member of Committee of InfraFrontier Services to Image-mouse models of European Strategy Forum for Research Infrastructures (ESFRI).
- Member of the Audit Committee of the Hellenic Society of Pharmacology.
- Member of the Committee for the scientific, technical and finance design of new Departments in HMU and DUTH .
- Fund raising as PI >2,500,000euros from national and european funding bodies and the industry.

C. PUBLICATIONS

PubMed: https://pubmed.ncbi.nlm.nih.gov/?sort=date&term=Chatzaki+E&cauthor_id=34302024

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Web of Science ResearcherID AAW-9507-2020

List of all publications (PubMed)

- Genome-Wide Analysis of lncRNA-mRNA Co-Expression Networks in CD133+/CD44+ Stem-like PDAC Cells. Eptaminitaki GC, Zaravinos A, Stellas D, Panagopoulou M, Karaliota S, Baltavia I, Iliopoulos I, **Chatzaki E**, Iliopoulos D, Baritaki S. *Cancers (Basel)*. 2023 Feb 7;15(4):1053. doi: 10.3390/cancers15041053. PMID: 36831395
- Autotaxin in Breast Cancer: Role, Epigenetic Regulation and Clinical Implications. Drosouni A, Panagopoulou M, Aidinis V, **Chatzaki E**. *Cancers (Basel)*. 2022 Nov 4;14(21):5437. doi: 10.3390/cancers14215437. PMID: 36358855
- Prediction and Ranking of Biomarkers Using *multiple* UniReD. Baltavia I, Theodosiou T, Papanikolaou N, Pavlopoulos GA, Amoutzias GD, Panagopoulou M, **Chatzaki E**, Andreakos E, Iliopoulos I. *Int J Mol Sci*. 2022 Sep 21;23(19):11112. doi: 10.3390/ijms231911112. PMID: 36232413
- Just Add Data: automated predictive modeling for knowledge discovery and feature selection. Tsamardinos I, Charonyktakis P, Papoutsoglou G, Borboudakis G, Lakiotaki K, Zenklusen JC, Juhl H, **Chatzaki E**, Lagani V. *NPJ Precis Oncol*. 2022 Jun 16;6(1):38. doi: 10.1038/s41698-022-00274-8.
- ENPP2 Promoter Methylation Correlates with Decreased Gene Expression in Breast Cancer: Implementation as a Liquid Biopsy Biomarker. Panagopoulou M, Drosouni A, Fanidis D, Karaglani M, Balgkouranidou I, Xenidis N, Aidinis V, **Chatzaki E**. *Int J Mol Sci*. 2022 Mar 28;23(7):3717. doi: 10.3390/ijms23073717.
- Tissue-Specific Methylation Biosignatures for Monitoring Diseases: An In Silico Approach. Karaglani M, Panagopoulou M, Baltavia I, Apalaki P, Theodosiou T, Iliopoulos I, Tsamardinos I, **Chatzaki E**. *Int J Mol Sci*. 2022 Mar 9;23(6):2959. doi: 10.3390/ijms23062959.
- Liquid Biopsy in Type 2 Diabetes Mellitus Management: Building Specific Biosignatures via Machine Learning. Karaglani M, Panagopoulou M, Cheimonidi C, Tsamardinos I, Maltezos E, Papanas N, Papazoglou D, Mastorakos G, **Chatzaki E**. *J Clin Med*. 2022 Feb 17;11(4):1045. doi: 10.3390/jcm11041045.
- ENPP2 Methylation in Health and Cancer. Panagopoulou M, Fanidis D, Aidinis V, **Chatzaki E**. *Int J Mol Sci*. 2021 Nov 4;22(21):11958. doi: 10.3390/ijms222111958.
- Automated machine learning optimizes and accelerates predictive modeling from COVID-19 high throughput datasets. Papoutsoglou G, Karaglani M, Lagani V, Thomson N, Røe OD, Tsamardinos I, **Chatzaki E**. *Sci Rep*. 2021 Jul 23;11(1):15107. doi: 10.1038/s41598-021-94501-0.
- Methylation Status of Corticotropin-Releasing Factor (CRF) Receptor Genes in Colorectal Cancer. Panagopoulou M, Cheretaki A, Karaglani M, Balgkouranidou I, Bizioti E, Amarantidis K, Xenidis N, Kakolyris S, Baritaki S, **Chatzaki E**. *J Clin Med*. 2021 Jun 18;10(12):2680. doi: 10.3390/jcm10122680.
- Deciphering the Methylation Landscape in Breast Cancer: Diagnostic and Prognostic Biosignatures through Automated Machine Learning. Panagopoulou M, Karaglani M, Manolopoulos VG, Iliopoulos I, Tsamardinos I, **Chatzaki E**. *Cancers (Basel)*. 2021 Apr 2;13(7):1677. doi: 10.3390/cancers13071677.
- Circulating Cell-Free DNA in Breast Cancer: Searching for Hidden Information towards Precision Medicine. Panagopoulou M, Esteller M, **Chatzaki E**. *Cancers (Basel)*. 2021 Feb 10;13(4):728. doi:

- 10.3390/cancers13040728.
- Accurate Blood-Based Diagnostic Biosignatures for Alzheimer's Disease via Automated Machine Learning. Karaglani M, Gourlia K, Tsamardinos I, **Chatzaki E**. *J Clin Med*. 2020 Sep 18;9(9):3016. doi: 10.3390/jcm9093016.
 - Association between SOX17, Wif-1 and RASSF1A promoter methylation status and response to chemotherapy in patients with metastatic gastric cancer. Karamitrousis E, Balgkouranidou I, Xenidis N, Amarantidis K, Biziota E, Koukaki T, Trypsianis G, Karayiannakis A, Bolanaki H, **Chatzaki E**, Kolios G, Lianidou E, Lambropoulou M, Kakolyris S. *Clin Chem Lab Med*. 2020 Sep 1;59(2):e73-e75. doi: 10.1515/cclm-2020-0662.
 - Somatic copy number aberrations detected in circulating tumor DNA can hold diagnostic value for early detection of hepatocellular carcinoma. **Chatzaki E**, Tsamardinos I. *EBioMedicine*. 2020 Jul;57:102851. doi: 10.1016/j.ebiom.2020.102851
 - Corticotropin Releasing Factor Receptors in breast cancer: Expression and activity in hormone-dependent growth in vitro. Koureta M, Karaglani M, Panagopoulou M, Balgkouranidou I, Papadaki-Anastasopoulou A, Zarouchlioti C, Dekavallas S, Kolios G, Lambropoulou M, Baritaki S, **Chatzaki E**. *Peptides*. 2020 Jul;129:170316. doi: 10.1016/j.peptides.2020.170316.
 - Gentamycin elution from polymethylmethacrylate and bone graft substitute: Comparison between commercially available and home-made preparations. Karaglani M, Tzitzikou E, Tottas S, Kougioumtzis I, Arvanitidis K, Kolios G, **Chatzaki E**, Drosos GI. *J Orthop*. 2019 Nov 27;19:9-13. doi: 10.1016/j.jor.2019.11.034.
 - Chronic Stress, Inflammation, and Colon Cancer: A CRH System-Driven Molecular Crosstalk. Baritaki S, de Bree E, **Chatzaki E**, Pothoulakis C. *J Clin Med*. 2019 Oct 12;8(10):1669. doi: 10.3390/jcm8101669.
 - Implementation of HPV-based Cervical Cancer Screening Combined with Self-sampling Using a Midwifery Network Across Rural Greece: The GRECOSELF Study. Agorastos T, Chatzistamatiou K, Tsertanidou A, Mouchtaropoulou E, Pasentsis K, Kitsou A, Moysiadis T, Moschaki V, Skenderi A, Katsiki E, Aggelidou S, Venizelos I, Ntoula M, Daponte A, Vanakara P, Garas A, Stefos T, Vrekoussis T, Lymberis V, Kontomanolis EN, Makrigiannakis A, Manidakis G, Deligeoroglou E, Panoskaltsis T, Decavalas GO, Michail G, Kalogiannidis I, Koukoulis G, Zempili P, Halatsi D, Truva T, Piha V, Agelena G, Chronopoulou A, Vaitsi V, **Chatzaki E**, Paschopoulos M, Adonakis G, Kaufmann AM, Hadzidimitriou A, Stamatopoulos K. *Cancer Prev Res (Phila)*. 2019 Oct;12(10):701-710. doi: 10.1158/1940-6207.CAPR-19-0192.
 - Circulating cell-free DNA in breast cancer: size profiling, levels, and methylation patterns lead to prognostic and predictive classifiers. Panagopoulou M, Karaglani M, Balgkouranidou I, Biziota E, Koukaki T, Karamitrousis E, Nena E, Tsamardinos I, Kolios G, Lianidou E, Kakolyris S, **Chatzaki E**. *Oncogene*. 2019 May;38(18):3387-3401. doi: 10.1038/s41388-018-0660-y.
 - Circulating cell-free DNA release in vitro: kinetics, size profiling, and cancer-related gene methylation. Panagopoulou M, Karaglani M, Balgkouranidou I, Pantazi C, Kolios G, Kakolyris S, **Chatzaki E**. *J Cell Physiol*. 2019 Aug;234(8):14079-14089. doi: 10.1002/jcp.28097.
 - Postponing Pregnancy Through Oocyte Cryopreservation for Social Reasons: Considerations Regarding Clinical Practice and the Socio-Psychological and Bioethical Issues Involved. Simopoulou M, Sfakianoudis K, Bakas P, Giannelou P, Papapetrou C, Kalampokas T, Rapani A, **Chatzaki E**, Lambropoulou M, Lourida C, Deligeoroglou E, Pantos K, Koutsilieris M. *Medicina (Kaunas)*. 2018 Oct 25;54(5):76. doi: 10.3390/medicina54050076.
 - Development of the MAM model of schizophrenia in mice: Sex similarities and differences of hippocampal and prefrontal cortical function. Chalkiadaki K, Velli A, Kyriazidis E, Stavroulaki V, Vouvoutsis V, **Chatzaki E**, Aivaliotis M, Sidiropoulou K. *Neuropharmacology*. 2019 Jan;144:193-207.

- doi: 10.1016/j.neuropharm.2018.10.026.
- Do urocortins have a role in treating cardiovascular disease? **Chatzaki E**, Kefala N, Drosos I, Lalidou F, Baritaki S. *Drug Discov Today*. 2019 Jan;24(1):279-284. doi: 10.1016/j.drudis.2018.09.004.
 - RKIP: A Key Regulator in Tumor Metastasis Initiation and Resistance to Apoptosis: Therapeutic Targeting and Impact. Zaravinos A, Bonavida B, **Chatzaki E**, Baritaki S. *Cancers (Basel)*. 2018 Aug 24;10(9):287.
 - Search for Pharmacoeigenetic Correlations in Type 2 Diabetes Under Sulfonylurea Treatment. Karaglani M, Ragia G, Panagopoulou M, Balgkouranidou I, Nena E, Kolios G, Papanas N, Manolopoulos VG, **Chatzaki E**. *Exp Clin Endocrinol Diabetes*. 2019 Apr;127(4):226-233. doi: 10.1055/s-0043-121265.
 - Cigarette Smoking Promotes Infection of Cervical Cells by High-Risk Human Papillomaviruses, but not Subsequent E7 Oncoprotein Expression. Chatzistamatiou K, Moysiadis T, Vryzas D, **Chatzaki E**, Kaufmann AM, Koch I, Soutschek E, Boecher O, Tsertanidou A, Maglaveras N, Jansen-Duerr P, Agorastos T. *Int J Mol Sci*. 2018 Jan 31;19(2):422. doi: 10.3390/ijms19020422.
 - Epigenetics-by-Sex Interaction for Coronary Artery Disease Risk Conferred by the Cystathionine γ -Lyase Gene Promoter Methylation. Giannakopoulou E, Konstantinou F, Ragia G, Tavridou A, Karaglani M, **Chatzaki E**, Papapetropoulos A, Mikroulis D, Manolopoulos VG. *OMICS*. 2017 Dec;21(12):741-748. doi: 10.1089/omi.2017.0149.
 - Are the Origins of Precision Medicine Found in the Corpus Hippocraticum? Konstantinidou MK, Karaglani M, Panagopoulou M, Fiska A, **Chatzaki E**. *Mol Diagn Ther*. 2017 Dec;21(6):601-606. doi: 10.1007/s40291-017-0291-y.
 - Autotaxin Expression in Hepatocellular Carcinoma. Memet I, Tsalkidou E, Tsaroucha AK, Lambropoulou M, **Chatzaki E**, Trypsianis G, Schizas D, Pitiakoudis M, Simopoulos C. *J Invest Surg*. 2018 Oct;31(5):359-365. doi: 10.1080/08941939.2017.1331280.
 - Vitamin D receptor and progesterone receptor protein and gene expression in papillary thyroid carcinomas: associations with histological features. Yavropoulou MP, Panagiotou G, Topouridou K, Karayannopoulou G, Koletsa T, Zarampoukas T, Goropoulos A, **Chatzaki E**, Yovos JG, Pazaitou-Panayiotou K. *J Endocrinol Invest*. 2017 Dec;40(12):1327-1335. doi: 10.1007/s40618-017-0700-4
 - Gene promoter methylation and protein expression of BRMS1 in uterine cervix in relation to high-risk human papilloma virus infection and cancer. Panagopoulou M, Lambropoulou M, Balgkouranidou I, Nena E, Karaglani M, Nicolaidou C, Asimaki A, Konstantinidis T, Constantinidis TC, Kolios G, Kakolyris S, Agorastos T, **Chatzaki E**. *Tumour Biol*. 2017 Apr;39(4):1010428317697557. doi: 10.1177/1010428317697557.
 - Pharmacotherapy in smoking cessation: Corticotropin Releasing Factor receptors as emerging intervention targets. Sotiriou I, Chalkiadaki K, Nikolaidis C, Sidiropoulou K, **Chatzaki E**. *Neuropeptides*. 2017 Jun;63:49-57. doi: 10.1016/j.npep.2017.02.082.
 - Intraperitoneal administration of apigenin in liver ischemia/reperfusion injury protective effects. Tsaroucha AK, Tsiaousidou A, Ouzounidis N, Tsalkidou E, Lambropoulou M, Giakoustidis D, **Chatzaki E**, Simopoulos C. *Saudi J Gastroenterol*. 2016 Nov;22(6):415-422. doi: 10.4103/1319-3767.195556.
 - Corticotropin-releasing factor (CRF) system localization in human fetal heart. Chouridou E, Lambropoulou M, Koureta M, Zarouchlioti C, Balgouranidou I, Nena E, Papadopoulos N, **Chatzaki E**. *Hormones (Athens)*. 2016 Jan-Mar;15(1):55-64. doi: 10.14310/horm.2002.1661.
 - Corticotropin-releasing factor (CRF) system localization in human fetal heart. Chouridou E, Lambropoulou M, Koureta M, Zarouchlioti C, Balgouranidou I, Nena E, Papadopoulos N, **Chatzaki E**. *Hormones (Athens)*. 2016 Jan;15(1):54-64. doi: 10.1007/BF03401403.
 - Co-expression of galectin-3 and CRIP-1 in endometrial cancer: prognostic value and patient survival. Lambropoulou M, Deftereou TE, Kynigopoulos S, Patsias A, Anagnostopoulos C, Alexiadis G, Kotini A,

- Tsaroucha A, Nikolaidou C, Kiziridou A, Papadopoulos N, **Chatzaki E**. *Med Oncol*. 2016 Jan;33(1):8. doi: 10.1007/s12032-015-0723-7.
- PAX1 methylation as an auxiliary biomarker for cervical cancer screening: a meta-analysis. Nikolaidis C, Nena E, Panagopoulou M, Balgkouranidou I, Karaglani M, **Chatzaki E**, Agorastos T, Constantinidis TC. *Cancer Epidemiol*. 2015 Oct;39(5):682-6. doi: 10.1016/j.canep.2015.07.008.
 - Prognostic role of APC and RASSF1A promoter methylation status in cell free circulating DNA of operable gastric cancer patients. Balgkouranidou I, Matthaïos D, Karayiannakis A, Bolanaki H, Michailidis P, Xenidis N, Amarantidis K, Chelis L, Trypsianis G, **Chatzaki E**, Lianidou ES, Kakolyris S. *Mutat Res*. 2015 Aug;778:46-51. doi: 10.1016/j.mrfmmm.2015.05.002.
 - Pharmaceutical innovation: impact on expenditure and outcomes and subsequent challenges for pharmaceutical policy, with a special reference to Greece. Karampli E, Souliotis K, Polyzos N, Kyriopoulos J, **Chatzaki E**. *Hippokratia*. 2014 Apr;18(2):100-6.
 - The effects of apigenin on the expression of Fas/FasL apoptotic pathway in warm liver ischemia-reperfusion injury in rats. Tsalkidou EG, Tsaroucha AK, **Chatzaki E**, Lambropoulou M, Papachristou F, Trypsianis G, Pitiakoudis M, Vaos G, Simopoulos C. *Biomed Res Int*. 2014;2014:157216. doi: 10.1155/2014/157216.
 - A complete corticotropin releasing factor system localized in human fetal lung. Chouridou E, Lambropoulou M, Koureta M, Balgouranidou I, Nena E, Simopoulou M, Papadopoulos N, Kortsaris A, **Chatzaki E**. *Hormones (Athens)*. 2014 Apr-Jun;13(2):229-43. doi: 10.1007/BF03401337.
 - Mycotoxins' activity at toxic and sub-toxic concentrations: differential cytotoxic and genotoxic effects of single and combined administration of sterigmatocystin, ochratoxin A and citrinin on the hepatocellular cancer cell line Hep3B. Anninou N, **Chatzaki E**, Papachristou F, Pitiakoudis M, Simopoulos C. *Int J Environ Res Public Health*. 2014 Feb 7;11(2):1855-72. doi: 10.3390/ijerph110201855.
 - Immature malignant sacrococcygeal teratoma: case report and review of the literature. Grammatikopoulou I, Kontomanolis EN, **Chatzaki E**, Chouridou E, Pavlidis P, Papadopoulos EM, Lambropoulou M. *Clin Exp Obstet Gynecol*. 2013;40(3):437-9.
 - Time course changes of anti- and pro-apoptotic proteins in apigenin-induced genotoxicity. Papachristou F, **Chatzaki E**, Petrou A, Kougioumtzi I, Katsikogiannis N, Papalambros A, Tripsianis G, Simopoulos C, Tsaroucha AK. *Chin Med*. 2013 May 4;8(1):9. doi: 10.1186/1749-8546-8-9.
 - Efficacy versus safety concerns for aerosol chemotherapy in non-small-cell lung cancer: a future dilemma for micro-oncology. Darwiche K, Zarogoulidis P, Karamanos NK, Domvri K, **Chatzaki E**, Constantinidis TC, Kakolyris S, Zarogoulidis K. *Future Oncol*. 2013 Apr;9(4):505-25. doi: 10.2217/fon.12.205.
 - Corticotropin-releasing factor receptor subtype 2 in human colonic mucosa: down-regulation in ulcerative colitis. **Chatzaki E**, Anton PA, Million M, Lambropoulou M, Constantinidis T, Kolios G, Taché Y, Grigoriadis DE. *World J Gastroenterol*. 2013 Mar 7;19(9):1416-23. 43
 - Assessment of SOX17 DNA methylation in cell free DNA from patients with operable gastric cancer. Association with prognostic variables and survival. Balgkouranidou I, Karayiannakis A, Matthaïos D, Bolanaki H, Tripsianis G, Tentis AA, Lianidou E, **Chatzaki E**, Fiska A, Lambropoulou M, Kolios G, Kakolyris S. *Clin Chem Lab Med*. 2013 Jul;51(7):1505-10. doi: 10.1515/cclm-2012-0320.
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- Expression of corticotropin releasing factor receptor type 1 (CRF1) in the human gastrointestinal tract and upregulation in the colonic mucosa in patients with ulcerative colitis. Yuan PQ, Wu SV, Elliott J, Anton PA, **Chatzaki E**, Million M, Taché Y. *Peptides.* 2012 Nov;38(1):62-9. doi: 10.1016/j.peptides.2012.07.028.
 - Gene therapy in liver diseases: state-of-the-art and future perspectives. Domvri K, Zarogoulidis P, Porpodis K, Koffa M, Lambropoulou M, Kakolyris S, Kolios G, Zarogoulidis K, **Chatzaki E**. *Curr Gene Ther.* 2012 Dec;12(6):463-83.
 - Management of malignant pleural effusion by suicide gene therapy in advanced stage lung cancer: a case series and literature review. Zarogoulidis P, **Chatzaki E**, Hohenforst-Schmidt W, Goldberg EP, Galaktidou G, Kontakiotis T, Karamanos N, Zarogoulidis K. *Cancer Gene Ther.* 2012 Sep;19(9):593-600. doi: 10.1038/cgt.2012.36.
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 - **Chatzaki E**, Bax CRM, Eidne KA, Anderson L, Grudzinskas JG, Gallagher CJ (1996) The Expression of gonadotropin-releasing hormone (GnRH) and its receptor in endometrial cancer and its relevance as an autocrine growth factor. *Cancer Research*, 56, 2059-63 (8,234).
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Current Funded Research Projects

2019 Principle Investigator, project «**Structure, origin and function of cell-free DNA: the hidden information towards precision pharmacotherapy**» funded by the Hellenic Foundation of Research and Innovation, 180,000€, 36m

The project aims to clarify the potential of ccfDNA as a reliable source of biological information and to provide proof-of-principle that it could be used as a biomarker towards precision pharmacotherapy. ^[1]_[SEP]

2020 Principle Investigator, project «**Liquid Pancreas: A diagnostic liquid biopsy tool for the personalized management of type 2 diabetes**» funded by the Operational Programme Competitiveness, Entrepreneurship and Innovation (EPAnEK), NSRF, 779.295,73 €, 30m

The project aims to optimize and validate a liquid biopsy based multiplex methylation assay for early diagnosis, monitoring and personalized management of T2DM and advance its commercial exploitation.

2021 Domain Expert, project “**HPC for Cancer Drug Accuracy**” funded under the First call for FF4EuroHPC application experiments, EU, 200,000 €, 15m

The project aims to employ HPC and machine learning to deliver a tangible solution for boosting the development of the personalized response prediction tool consisting of an intelligent diagnostic platform able to analyze the molecular profiles of cancer patients and identify the drugs most likely to achieve high effectiveness.

2023 Consortium Partner, “**An automated Machine Learning built epigenetic test for the prevention of diabetes type II: from concept to value**” EITHealth RIS Innovation Call 2023, 75.000€, 12m

