

INFORMAȚII PERSONALE

MARIAN Cătălin Valer

 2 Eftimie Murgu, 300041 Timisoara, Romania

 +40 730 656 429

 cmarian@umft.ro

<http://orcid.org/0000-0002-7749-1384>

EXPERIENȚA PROFESIONALĂ

2023-prezent	Coordonator Compartiment de Diagnostic Molecular din cadrul Laboratorului de Analize Medicale al Spitalului Clinic de Boli Infecțioase și Pneumoftiziologie Victor Babes Timisoara
2020-prezent	Prodecan, Facultatea de Medicina, Universitatea de Medicină și Farmacie „Victor Babeș” din Timișoara
2020-2023	Coordonator Compartiment de Biologie Moleculara din cadrul Laboratorului de Analize Medicale al Spitalului Clinic CF Timisoara
2016-prezent	Profesor Universitar, Catedra de Biochimie din cadrul Universității de Medicină și Farmacie „Victor Babeș” din Timișoara
2016-2020	Profesor Asociat, Departamentul de Medicină Internă, Centrul Comprehensiv de Cancer, Centrul Medical al Universității de Stat din Ohio, Columbus OH, USA
2013-2016	Conferențiar Universitar, Catedra de Biochimie din cadrul Universității de Medicină și Farmacie „Victor Babeș” din Timișoara
2011-2012	Cadru Didactic (Tenure Track Assistant Professor), Departamentul de Medicină Internă, Centrul Comprehensiv de Cancer, Centrul Medical al Universității de Stat din Ohio, Columbus OH, USA
2010-2011	Cadru Didactic de Cercetare (Research Assistant Professor), Departamentul de Oncologie, Centrul Comprehensiv de Cancer, Centrul Medical al Universității Georgetown, Washington DC, USA
2008-2011	Director, Laboratorul Comun de Genomică și Epigenomică, Centrul Comprehensiv de Cancer, Centrul Medical al Universității Georgetown, Washington DC, USA
2008-2011	Manager Științific de Program de Cercetare, Divizia de Carcinogeneza, Biomarkeri și Epidemiologie, Departamentul de Oncologie, Centrul Comprehensiv de Cancer, Centrul Medical al Universității Georgetown, Washington DC, USA
2006-2010	Cadru didactic de cercetare (Research Instructor), Departamentul de Oncologie, Centrul Comprehensiv de Cancer, Centrul Medical al Universității Georgetown, Washington DC, USA
2005-2006	Asistent universitar la Catedra de Biochimie din cadrul Universității de Medicină și Farmacie „Victor Babeș” din Timișoara
2003-2004	Cercetător Asociat, Departamentul de Genetică Moleculară, Institutul Oncologic “Gustave Roussy”, Villejuif, Franța
2002-2005	Preparator universitar la Catedra de Biochimie din cadrul Universității de Medicină și Farmacie „Victor Babeș” din Timișoara

EDUCAȚIE ȘI FORMARE

2017	Abilitare pentru conducere de doctorate in domeniul Medicina, Ordinul Ministerului Educatiei Nationale nr.5156 din 28.09.2017
2016-2017	Certificat de absolvire al modulului psihopedagogic (Nivelul I si Nivelul II) eliberat de Departamentul pentru pregatirea personalului didactic, Universitatea de Vest din Timisoara
2001-2006	Rezidențiat în medicină de laborator, Medic Specialist Medicină de Laborator, Ordinul Ministerului Sănătății nr. 467 din 2006; Medic primar OMS 1749/03.09.2021
2001-2005	Studii doctorale la Universitatea de Medicină și Farmacie “Victor Babeș” din Timișoara, Doctor in Științe Medicale, Ordinul Ministerului Educației și Cercetării nr. 5657 din 12.12.2005
1993-1999	Universitatea de Medicină și Farmacie “Victor Babeș” din Timișoara, Facultatea de Medicină Generală, Licență în Medicină Generală, Doctor Medic

COMPETENTE PERSONALE

Limba maternă Romana

Alte limbi străine cunoscute

	INTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
Limba Engleza	C1	C1	C1	C1	C1
Limba Franceza	C1	C1	B2	B2	B2

INFORMATII SUPLIMENTARE

Publicații	Peste 100 de publicatii in WOS Core Collection (vezi anexa)
Granturi de cercetare	Director sau membru in echipa a peste 20 granturi de cercetare nationale si internationale
Indice Hirsch WOS	27
Alte informatii relevante	Membru in Comisia de Medicina al CNATDCU (Consiliul Național de Atestare a Titlurilor, Diplomelor și Certificatelor Universitare), mandatele 2016-2020 si 2020-2024 Membru in Comisia de Medicina al CNCS (Consiliul Național al Cercetării Științifice), 2020- Director Biobanca UMFVBT, 2019-prezent Senior Editor al revistei stiintifice Scientific Reports, 2014-prezent Reviewer la peste 30 reviste cotate ISI

Anexa CV – articole si proiecte

Lista articole ISI

Autor Principal

1. Traila A, Craina M, Socaciu C, Socaciu AI, Nitusca D, Marian C. Lipidomic Signature of Pregnant and Postpartum Females by Longitudinal and Transversal Evaluation: Putative Biomarkers Determined by UHPLC-QTOF-ESI+-MS. *Metabolites*. 2025 Jan 8;15(1):27. doi: 10.3390/metabo15010027.
2. Petrascu FM, Matei SC, Margan MM, Ungureanu AM, Olteanu GE, Murariu MS, Olariu S, Marian C. The Impact of Inflammatory Markers and Obesity in Chronic Venous Disease. *Biomedicines*. 2024 Nov 4;12(11):2524. doi: 10.3390/biomedicines12112524.
3. Stanciugelu SI, Patrascu JM, Patrascu JM Jr, Socaciu C, Socaciu AI, Nitusca D, Marian C. Lipidomic Signature of Plasma and Synovial Fluid in Patients with Osteoarthritis: Putative Biomarkers Determined by UHPLC-QTOF-ESI+MS. *Diagnostics (Basel)*. 2024;14(16):1834. doi: 10.3390/diagnostics14161834.
4. Stanciugelu SI, Patrascu JM Jr, Florescu S, Marian C. Sticky Bone as a New Type of Autologous Bone Grafting in Schatzker Type II Tibial Plateau Fracture Case Report. *Life (Basel)*. 2024;14(8):1042. doi: 10.3390/life14081042.
5. Ilia I, Ciordas PD, Nitusca D, Anton A, Marian C. Analysis of the Level of Adiponectin and Selected Cytokines in Patients with Knee Osteoarthritis. *Medicina*. 2024;60(4):571
6. Nitusca D, Socaciu C, Socaciu AI, Sirbu IO, Bardan R, Cumpănas AA, Seclaman E, Marian C. Potential Diagnostic Biomarker Detection for Prostate Cancer Using Untargeted and Targeted Metabolomic Profiling. *Curr Issues Mol Biol*. 2023 Jun 8;45(6):5036-5051. doi: 10.3390/cimb45060320.
7. Capraru ID, Vulcanescu DD, Bagiu IC, Horhat FG, Popescu IM, Baditoiu LM, Muntean D, Licker M, Radulescu M, Mot IC, Diaconu MM, Marian C. COVID-19 Biomarkers Comparison: Children, Adults and Elders. *Medicina (Kaunas)*. 2023 May 3;59(5):877. doi: 10.3390/medicina59050877.
8. Iulian Stanciugelu S, Homorogan C, Selaru C, Patrascu JM, Patrascu JM Jr, Stoica R, Nitusca D, Marian C. Osteoarthritis and microRNAs: Do They Provide Novel Insights into the Pathophysiology of This Degenerative Disorder? *Life (Basel)*. 2022 Nov 17;12(11):1914. doi: 10.3390/life12111914.
9. Nitusca D, Marcu A, Seclaman E, Bardan R, Sirbu IO, Balacescu O, Bucur AI, Ursoniu S, Marian C. Diagnostic Value of microRNA-375 as Future Biomarker for Prostate Cancer Detection: A Meta-Analysis. *Medicina (Kaunas)*. 2022 Apr 10;58(4):529. doi: 10.3390/medicina58040529.
10. Ilia I, Nitusca D, Marian C. Adiponectin in Osteoarthritis: Pathophysiology, Relationship with Obesity and Presumptive Diagnostic Biomarker Potential. *Diagnostics (Basel)*. 2022 Feb 10;12(2):455. doi: 10.3390/diagnostics12020455.
11. Homorogan C, Nitusca D, Seclaman E, Enatescu V, Marian C. Uncovering the Roles of MicroRNAs in Major Depressive Disorder: From Candidate Diagnostic Biomarkers to Treatment Response Indicators. *Life (Basel)*. 2021;11(10):1073. doi: 10.3390/life11101073.
12. Homorogan C, Nitusca D, Enatescu V, Schubart P, Moraru C, Socaciu C, Marian C. Untargeted Plasma Metabolomic Profiling in Patients with Major Depressive Disorder Using Ultra-High Performance Liquid Chromatography Coupled with Mass Spectrometry. *Metabolites*. 2021;11(7):466. doi: 10.3390/metabo11070466.
13. Marcu A, Nitusca D, Vaduva A, Baderca F, Cireap N, Coricovac D, Dehelean CA, Seclaman E, Ilina R, Marian C. Long Non-Coding RNA Expression in Laser Micro-Dissected Luminal A and Triple Negative Breast Cancer Tissue Samples-A Pilot Study. *Medicina (Kaunas)*. 2021;57(4):371. doi: 10.3390/medicina57040371.
14. Nitusca D, Marcu A, Dema A, Balacescu L, Balacescu O, Bardan R, Cumpănas AA, Sirbu IO, Petrut B, Seclaman E, Marian C. Long Noncoding RNA NEAT1 as a Potential Candidate Biomarker for Prostate Cancer. *Life (Basel)*. 2021;11(4):320. doi: 10.3390/life11040320.
15. Homorogan C, Enatescu VR, Nitusca D, Marcu A, Seclaman E, Marian C. Distribution of microRNAs associated with major depressive disorder among blood compartments. *J Int Med Res*.

- 2021;49(4):3000605211006633. doi: 10.1177/03000605211006633.
16. Borta SM, Dumitra S, Miklos I, Popetiu R, Pilat L, Pușchiță M, Marian C. Clinical Relevance of Plasma Concentrations of MBL in Accordance with IgE Levels in Children Diagnosed with Bronchial Asthma. *Medicina (Kaunas)*. 2020;56(11):E594. doi: 10.3390/medicina56110594.
 17. Avram GE, Marcu A, Moatar A, Samoila C, Podariu A, Seclaman E, Marian C. Changes in global DNA methylation and hydroxymethylation in oral mucosa according to tobacco smoke exposure. *J Int Med Res*. 2020 Sep;48(9):300060520954677. doi: 10.1177/0300060520954677.
 18. Paunescu IA, Bardan R, Marcu A, Nitusca D, Dema A, Negru S, Balacescu O, Balacescu L, Cumanas A, Sirbu IO, Petrut B, Seclaman E, Marian C. Biomarker Potential of Plasma MicroRNA-150-5p in Prostate Cancer. *Medicina (Kaunas)*. 2019;55(9):564. doi: 10.3390/medicina55090564.
 19. Seclaman E, Narita D, Anghel A, Cireap N, Ilină R, Sirbu IO, Marian C. MicroRNA Expression in Laser Micro-dissected Breast Cancer Tissue Samples - a Pilot Study. *Pathol Oncol Res*. 2019;25(1):233-239
 20. Balacescu O, Petrut B, Tudoran O, Feflea D, Balacescu L, Anghel A, Sirbu IO, Seclaman E, Marian C. Urinary microRNAs for prostate cancer diagnosis, prognosis, and treatment response: are we there yet? *Wiley Interdiscip Rev RNA*. 2017 Nov;8(6).
 21. Matos Do Canto L*, Marian C*, Varghese RS, Ahn J, Da Cunha PA, Willey S, Sidawy M, Rone JD, Cheema AK, Luta G, Nezami Ranjbar MR, Ressim HW, Haddad BR. Metabolomic profiling of breast tumors using ductal fluid. *Int J Oncol*. 2016;49(6):2245-2254. *co-first authors
 22. Do Canto LM*, Marian C*, Willey S, Sidawy M, Da Cunha PA, Rone JD, Li X, Gusev Y, Haddad BR. MicroRNA analysis of breast ductal fluid in breast cancer patients. *Int J Oncol*. 2016;48(5):2071-8. doi: 10.3892/ijo.2016.3435. *co-first authors
 23. Enatescu VR, Papava I, Enatescu I, Antonescu M, Anghel A, Seclaman E, Sirbu IO, Marian C. Circulating plasma micro RNAs in patients with major depressive disorder treated with antidepressants – a pilot study. *Psychiatry Investigation* 2016;13(5):549-557.
 24. Mihala A, Alexa AA, Samoila C, Dema A, Vizitiu AC, Anghel A, Tamas L, Marian C, Sirbu IO. A pilot study on the expression of microRNAs resident on chromosome 21 in laser microdissected FFPE prostate adenocarcinoma samples. *Rom J Morphol Embryol*. 2015;56(3):1063-8. PMID: 26662140
 25. Narita D, Seclaman E, Anghel A, Ilină R, Cireap N, Negru S, Sirbu IO, Ursoniu S, Marian C. Altered levels of plasma chemokines in breast cancer and their association with clinical and pathological characteristics. *Neoplasma*. 2016;63(1):141-9. PMID: 26639244
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 27. Llanos AA*, Marian C*, Brasky TM, Dumitrescu RG, Liu Z, Mason JB, Makambi KH, Spear SL, Kallakury BV, Freudenheim JL, Shields PG. Associations between genetic variation in one-carbon metabolism and LINE-1 DNA methylation in histologically normal breast tissues. *Epigenetics*. 2015;10(8):727-35. PMID: 26090795, *co-first authors
 28. Anghel A, Enache A, Seclaman E, Gruin G, Ursoniu S, Alexa A, Antonescu M, Marian C. Genetic polymorphism data on 15 autosomal STR markers in a Western Romanian population sample. *Leg Med (Tokyo)*. 2014;16(4):238-40. PMID: 24767967
 29. Zhou X.*, Marian C*, Kepher H.M., Kosti O, Kallakury BV, Loffredo CA, Zheng YL. MicroRNA-9 as potential biomarker for breast cancer local recurrence and tumor estrogen receptor status. 2012;7(6):e39011. PMID:22723919. *co-first authors
 30. Marian C, Tao M, Mason JB, Goerlitz DS, Nie J, Chanson A, Freudenheim JL, Shields PG. Single nucleotide polymorphisms in uracil-processing genes, intake of one-carbon nutrients and breast cancer risk. *Eur J Clin Nutr*. 2011 Mar 23. [Epub ahead of print] PMID:21427733
 31. Marian C, Ochs-Balcom HM, Nie J, Kallakury BV, Ambrosone CB, Trevisan M, Edge S, Shields PG, Freudenheim JL. FGFR2 intronic SNPs and breast cancer risk; associations with tumor characteristics and interactions with exogenous exposures and other known breast cancer risk factors. *Int J Cancer* 2011;129(3):702-12. PMID: 20853316

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33. Marian C, Anghel A, Bel SM, Ferencz BK, Ursoniu S, Dressler ML, Popescu O, Budowle B. STR data for the 15 AmpFISTR Identifier loci in the Western Romanian Population. *Forensic Sci. Int.* 2007;170(1):73-5
34. Marian C, Anghel A, Dressler ML, Budowle B. Population data for the D5S818, D 13S317, D7S820 and D16S539 STR loci in a Romanian population sample. *J Forensic Sci.* 2005;50(6):1512
35. Marian C, Scope A, Laud K, Friedman E, Pavlotsky F, Yakobson E, Bressac-de Paillerets B, Azizi E. Search for germline alterations in CDKN2A/ARF and CDK4 of 42 Jewish melanoma families with or without neural system tumours. *Br J Cancer.* 2005;92(12):2278-85

Coautor

1. Bolos O, Bolchis V, Dumitrescu R, Alexa VT, Buzatu BLR, Marcu A, Marian C, Ciordas PD, Jumanca D, Galuscan A, Balean O. Salivary Cortisol and Total Antioxidant Capacity (TAC) as Biomarkers of Stress in Dental Medicine Students-A Pilot Study. *Medicina (Kaunas).* 2024 Nov 30;60(12):1972. doi: 10.3390/medicina60121972.
2. Munteanu CV, Marian C, Chiriță-Emandi A, Puiu M, Trifa AP. In silico splicing analysis of the PMS2 gene: exploring alternative molecular mechanisms in PMS2-associated Lynch syndrome. *BMC Genom Data.* 2024 Nov 27;25(1):100. doi: 10.1186/s12863-024-01281-3.
3. Capraru ID, Marian C, Vulcanescu DD, Tanasescu S, Dragomir TL, Marti TD, Boru C, Avram CR, Susan M, Vlad CS. Understanding the Impact of COVID-19 on Roma Vulnerable Communities in Western Romania: Insights and Predictive Factors from a Retrospective Study. *Viruses.* 2024;16(3):435.
4. Moatar AI, Chis AR, Nitusca D, Oancea C, Marian C, Sirbu IO. HB-EGF Plasmatic Level Contributes to the Development of Early Risk Prediction Nomogram for Severe COVID-19 Cases. *Biomedicines.* 2024;12(2):373. doi: 10.3390/biomedicines12020373.
5. Kalinovic R, Pascariu A, Vlad G, Nitusca D, Sălcudean A, Sirbu IO, Marian C, Enatescu VR. Involvement of the Expression of G Protein-Coupled Receptors in Schizophrenia. *Pharmaceuticals (Basel).* 2024 Jan 9;17(1):85. doi: 10.3390/ph17010085.
6. Schwarz C, Balean O, Dumitrescu R, Ciordas PD, Marian C, Georgescu M, Bolchis V, Sava-Rosianu R, Fratila AD, Alexa I, Jumanca D, Galuscan A. Total Antioxidant Capacity of Saliva and Its Correlation with pH Levels among Dental Students under Different Stressful Conditions. *Diagnostics (Basel).* 2023 Dec 12;13(24):3648. doi: 10.3390/diagnostics13243648.
7. Gal-Nădășan EG, Popescu IM, Bădițoiu LM, Gal-Nădășan N, Cioca F, Popovici ED, Dinu AR, Horhat FG, Margan MM, Vulcănescu DD, Anghel A, Marian C, Căpraru ID. Healthcare Workers' Vulnerability to SARS-CoV-2 in Western Romania: A Study on Incidence and Risk Factors for Non-Vaccination and Reinfection. *Int J Gen Med.* 2023 Nov 28;16:5621-5632. doi: 10.2147/IJGM.S442098. eCollection 2023.
8. Maries L, Moatar AI, Sala-Cirtog M, Sima L, Anghel A, Marian C, Chis AR, Sirbu IO. Clinical Variables Influence the Ability of miR-101, miR-150, and miR-21 to Predict Ventricular Remodeling after ST-Elevation Myocardial Infarction. *Biomedicines.* 2023 Oct 10;11(10):2738. doi: 10.3390/biomedicines11102738.
9. Marin AM, Popovici DC, Dărbuș G, Marian C, Nițușcă D, Mederle N. The First Identification of *Trichinella britovi* in the Raccoon Dog (*Nyctereutes procyonoides*) in Romania. *Pathogens.* 2023 Sep 5;12(9):1132. doi: 10.3390/pathogens12091132.
10. Abu-Awwad SA, Craina M, Boscu L, Bernad E, Ciordas PD, Marian C, Iurciuc M, Abu-Awwad A, Iurciuc S, Bernad B, Popov DMA, Maghiari AL. Hypertensive Disorders of Pregnancy: Assessing the Significance of Lp(a) and ApoB Concentrations in a Romanian Cohort. *J Pers Med.* 2023 Sep 21;13(9):1416. doi: 10.3390/jpm13091416.
11. Abu-Awwad SA, Craina M, Boscu L, Bernad E, Ciordas PD, Marian C, Iurciuc M, Abu-Awwad A,

- lurciuc S, Bernad B, Anastasiu Popov DM, Maghiari AL. Lipid Profile Variations in Pregnancies with and without Cardiovascular Risk: Consequences for Both Mother and Newborn. *Children (Basel)*. 2023 Sep 7;10(9):1521. doi: 10.3390/children10091521.
12. Maries L, Moatar AI, Chis AR, Marian C, Luca CT, Sirbu IO, Gaiță D. Plasma hsa-miR-22-3p Might Serve as an Early Predictor of Ventricular Function Recovery after ST-Elevation Acute Myocardial Infarction. *Biomedicines*. 2023 Aug 17;11(8):2289. doi: 10.3390/biomedicines11082289.
13. Moatar AI, Chis AR, Romanescu M, Ciordas PD, Nitusca D, Marian C, Oancea C, Sirbu IO. Plasma miR-195-5p predicts the severity of Covid-19 in hospitalized patients. *Sci Rep*. 2023 Aug 23;13(1):13806. doi: 10.1038/s41598-023-40754-w.
14. Abu-Awwad SA, Craina M, Gluhovschi A, Ciordas PD, Marian C, Boscu L, Bernad E, lurciuc M, Abu-Awwad A, lurciuc S, Maghiari AL. Linking Pregnancy and Long-Term Health: The Impact of Cardiovascular Risk on Telomere Shortening in Pregnant Women. *Medicina (Kaunas)*. 2023 May 24;59(6):1012. doi: 10.3390/medicina59061012.
15. Iosif Ilia, Doina Chioran, Daniela Radu, Raul Chioibaș, Ioana Ioniță, Cătălin Marian, Alexandra Semenescu, Robert Cosmin Răcea, Ramona Popovici, Stefania Dinu, Mircea Riviș, Andrada Iftode. In vitro assessment of two types of hyaluronic acid's antitumor potential in osteosarcoma cells. *Farmacia*, 2023, vol. 71, 5;948-955. <https://doi.org/10.31925/farmacia.2023.5.9>
16. Capraru ID, Romanescu M, Anghel FM, Oancea C, Marian C, Sirbu IO, Chis AR, Ciordas PD. Identification of Genomic Variants of SARS-CoV-2 Using Nanopore Sequencing. *Medicina (Kaunas)*. 2022 Dec 15;58(12):1841. doi: 10.3390/medicina58121841.
17. Moatar AI, Chis AR, Marian C, Sirbu IO. Gene Network Analysis of the Transcriptome Impact of SARS-CoV-2 Interacting MicroRNAs in COVID-19 Disease. *Int J Mol Sci*. 2022 Aug 17;23(16):9239. doi: 10.3390/ijms23169239.
18. Avram EG, Moatar IA, Miok V, Baderca F, Samoila C, Alexa A, Andreescu IN, Podariu A, Marian C, Sirbu IO. Gene network analysis of the transcriptome impact of methylated microRNAs on oral squamous cell carcinoma. *Adv Clin Exp Med*. 2022 Nov;31(11):1231-1242. doi: 10.17219/acem/151911.
19. Borta SM, Donath-Miklos I, Popetiu R, Nica DV, Nitusca D, Crisan A, Marian C, Puschita M. Mannose-binding lectin 2 gene polymorphisms and predisposition to allergic bronchial asthma in a western Romanian children population: an observational study. *J Int Med Res*. 2022 Jul;50(7):3000605221109389. doi: 10.1177/03000605221109389.
20. Da Cunha PA, Nitusca D, Canto LMD, Varghese RS, Ressim HW, Willey S, Marian C, Haddad BR. Metabolomic Analysis of Plasma from Breast Cancer Patients Using Ultra-High-Performance Liquid Chromatography Coupled with Mass Spectrometry: An Untargeted Study. *Metabolites*. 2022 May 17;12(5):447. doi: 10.3390/metabo12050447.
21. Chirita-Emandi A, Petrescu CA, Zimbru CG, Stoica F, Marian C, Ciubotaru A, Bataneant M, Puiu M. Case Report: Novel Biallelic Variants in DNAJC21 Causing an Inherited Bone Marrow Failure Spectrum Phenotype: An Odyssey to Diagnosis. *Front Genet*. 2022 Apr 8;13:870233. doi: 10.3389/fgene.2022.870233. eCollection 2022.
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23. Chis AR, Moatar AI, Dijmarescu C, Rosca C, Vorovenci RJ, Krabbendam I, Dolga A, Bejinar C, Marian C, Sirbu IO, Simu M. Plasma hsa-mir-19b is a potential LevoDopa therapy marker. *J Cell Mol Med*. 2021;25(18):8715-8724. doi: 10.1111/jcmm.16827.
24. Hategan SI, Kamer SA, Craig RG, Sinescu C, de Leon MJ, Jianu DC, Marian C, Bora BI, Dan TF, Birdac CD, Marcu A, Kamer AR, Negrutiu ML. Cognitive dysfunction in young subjects with periodontal disease. *Neurol Sci*. 2021;42(11):4511-4519. doi: 10.1007/s10072-021-05115-3.
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- 10.3390/medicina55110728.
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28. Callahan CL, Bonner MR, Nie J, Wang Y, Tao MH, Shields PG, Marian C, Eng KH, Trevisan M, Freudenheim JL. Active and secondhand smoke exposure throughout life and DNA methylation in breast tumors. *Cancer Causes Control*. 2019 Jan 7. doi: 10.1007/s10552-018-1102-4. [Epub ahead of print]
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30. Vaughn CB, Freudenheim JL, Nie J, Sucheston-Campbell L, Wactawski-Wende J, Marian C, Shields PG, Kallakury BV, Trevisan M, Ochs-Balcom HM. Sleep and Breast Cancer in the Western New York Exposures and Breast Cancer (WEB) Study. *J Clin Sleep Med*. 2018;14(1):81-86
31. Callahan CL, Bonner MR, Nie J, Han D, Wang Y, Tao MH, Shields PG, Marian C, Eng KH, Trevisan M, Beyea J, Freudenheim JL. Lifetime exposure to ambient air pollution and methylation of tumor suppressor genes in breast tumors. *Environ Res*. 2018;161:418-424.
32. Balacescu O, Crisan N, Balacescu L, Visan S, Tudoran O, Fetica B, Bungardean C, Marian C, Petrut B. How reliable and useful are angiogenesis blood mediators for prostate cancer diagnosis? *J BUON*. 2019;24(3):1194-1203.
33. Song MA, Benowitz NL, Berman M, Brasky TM, Cummings KM, Hatsukami DK, Marian C, O'Connor R, Rees VW, Woroszylo C, Shields PG. Cigarette Filter Ventilation and its Relationship to Increasing Rates of Lung Adenocarcinoma. *J Natl Cancer Inst*. 2017;109(12).
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Proiecte câștigate prin competiție națională sau internațională

cod grant	Titlu	Agentia	Anul	RoI
CNFIS-FDI-2023-F-0657	Performanță în inserția profesională a absolvenților Facultății de Medicină prin corelarea ofertei educaționale cu cerințele sociale și ale pieței muncii actuale	UEFISCDI	2023	Membru
CNFIS-FDI-2022-0493	Performanță medicală prin corelarea ofertei educaționale cu piața muncii, consilierea și orientarea profesională a viitorilor profesioniști în domeniul sănătății	UEFISCDI	2022	Membru
PN-III-P2-2.1-PED-2021-1171	Evaluarea performantei clinice si histopatologice a unui panel de micro ARN ca biomarkeri in cancerul de prostata	UEFISCDI	2021	Director
CNFIS-FDI-2021-0552	Dezvoltarea unei platforme structurate de consultanță, intervenție și consiliere profesională a studenților în vederea îmbunătățirii inserției profesionale și a reducerii abandonului universitar	UEFISCDI	2021	Membru
CNFIS-FDI-2021-0484	Dezvoltarea unui centru zonal de referință pentru secvențierea de nouă generație	UEFISCDI	2021	Membru
PN-III-P2-2.1-SOL-2020-0142	Secvențierea genomului SARS-CoV-2 și analiza filogenetică a tulpinilor circulante în România	UEFISCDI	2020	Responsabil Partener
PN-III-P4-ID-PCE-2016-0371, contract 32 din 12/07/2017	Specii de ARN non-codant in fluide biologice: markeri potentiali in cancerul de prostata si rolul lor in carcinogeneza	UEFISCDI	2017	Director
PN-III-P2-2.1-PED-2016-0735	Markeri microARN plasmatici asociati bolii Parkinson	UEFISCDI	2017	Membru
PN-II-PT-PCCA-2013-4-0443, Contract nr. 165/2014	MicroARN transferat – biomarker in evaluarea impactului alimentatiei cu organisme modificate genetic asupra consumatorului final	UEFISCDI	2014	Membru

PN-II-ID-PCE-2012-4-0279, Contract nr. 32/28.08.2013	Micro RNA specifici pentru cancerul de prostata: evaluare ca markeri in fluide biologice si a rolului in procesul carcinogenetic	UEFISCDI	2013	Director
Avon Foundation Grant, 02- 2011-019	Metabolomic and MicroRNA Profiling of Blood for Early Detection of Breast Cancer	Avon Foundation For Women USA	2012	Membru
Avon Foundation Grant, USA 2010-2012	Risk Factors for MiRNA Expression, Differentiation and Proliferation in Normal Breast Tissues	Avon Foundation For Women USA	2010	Membru
3K07 CA131172-02S1	The Role of Behavior Science in Personalized Genetic Medicine	National Institutes of Health (NIH)/National Cancer Intitute (NCI), USA	2009	Membru
DAMD17-03-1-0446	Molecular Epidemiology and Mechanisms for Breast Cancer	Congressionally Directed Medical Research Programs of the Department of Defense, USA	2009	Membru
Avon Foundation Grant, 07- 2007-068	Improving the diagnostic power of Ductal Lavage for early detection of breast cancer by assessing multiple molecular markers in the same specimen	Avon Foundation For Women USA	2008	Membru
HHSN261200644002C/N01- CN-64402	Laboratory Assessment of Tobacco Use Behavior and Exposure to Toxins Among Users of New Tobacco Products	National Institutes of Health (NIH)/National Cancer Intitute (NCI), USA	2006	Membru
	Alcohol drinking causes breast cancer: a molecular epidemiology paradigm	American Association for Cancer Research – International Scholar Award in Breast Cancer Research, USA	2006	Director
CEEX cod proiect 28, Contract nr. 2979/11.10.05	Dezvoltarea de tehnici noi QSAR (Quantitative Structure-Activity Relationships) pentru identificarea de substrante cu potential de disruptor endocrin	UEFISCDI	2005	Membru
Grant nr. 310/2004	Rezistenta la chimioterapicele antiinfectioase a tulpinilor E-coli si evidentiarea genelor SH si TEM la tulpinile producătoare de	Academia de Stiinte Medicale, Programul VIASAN	2004	Membru

	Beta lactamaze cu spectru extins izolate din vestul țării			
Grant nr. 318/2004	Terapia genică angiogenetică în ischemia cronică severă a membrelor inferioare	Academia de Stiinte Medicale, Programul VIASAN	2004	Membru
Grant nr. 3222/2003	Susceptibilité génétique au mélanome malin familial	ARC-Association pour la Recherche sur le Cancer, Franta	2003	Membru
Grant nr. 159/2002	Semnificatia prognostica si implicatiile terapeutice ale polimorfismului genelor receptorilor hormonal sexuali, ale genei HER2(neu) si ale expresiei imunohistochimice a acestora pentru cancerul mamar invaziv, în zona de vest a Romaniei	Academia de Stiinte Medicale, Programul VIASAN	2002	Membru