

INFORMAȚII PERSONALE

MARIAN Cătălin Valer

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EXPERIENȚA PROFESIONALĂ

2023-prezent	Coordonator Compartiment de Diagnostic Molecular din cadrul Laboratorului de Analize Medicale al Spitalului Clinic de Boli Infectioase si 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 si 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 si 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
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
1989-1993	Liceul teoretic "Doamna Stanca" Satu-Mare, profil chimie-biologie, bacalaureat

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	C1	C1	C1

INFORMATII SUPLIMENTARE

Publicații	Peste 100 de publicatii in WOS Core Collection
Granturi de cercetare	Director sau membru in echipa a peste 10 granturi de cercetare nationale si internationale
Indice Hirsch WOS	26
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- Reprezentant din partea UMFVBT în Consiliul de Administrație al Spitalului Clinic CF Timișoara, 2020-prezent Director Biobanca UMFVBT, 2019-prezent Senior Editor al revistei stiintifice Scientific Reports Reviewer la peste 30 reviste cotate ISI

Data
26/05/2024

Semnatura



Lista articole ISI

1. 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
2. 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.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. 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.
9. 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.
10. Abu-Awwad SA, Craina M, Boscu L, Bernad E, Ciordas PD, Marian C, Iurciuc M, Abu-Awwad A, Iurciuc 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.
11. 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.
12. 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.
13. Abu-Awwad SA, Craina M, Gluhovschi A, Ciordas PD, Marian C, Boscu L, Bernad E, Iurciuc M, Abu-Awwad A, Iurciuc 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.
14. Nitusca D, Socaciu C, Socaciu AI, Sirbu IO, Bardan R, Cumpanas 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.
15. 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.
16. Iosif Ilia, Doina Chioran, Daniela Radu, Raul Chioibaş, Ioana Ioniţă, Cătălin Marian, Alexandra Semenescu, Robert Cosmin Răcea, Ramona Popovici, Stefania Dinu, Mircea Riviş, 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>
 17. 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.
 18. 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.
 19. 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.
 20. 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.
 21. 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.
 22. Da Cunha PA, Nitusca D, Canto LMD, Varghese RS, Resson 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.
 23. 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.
 24. 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.
 25. 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.
 26. 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.
 27. Maries L, Marian C, Sosdean R, Goanta F, Sirbu IO, Anghel A. MicroRNAs-The Heart of Post-Myocardial Infarction Remodeling. *Diagnostics (Basel)*. 2021;11(9):1675. doi: 10.3390/diagnostics11091675.
 28. 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.
 29. 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.
 30. 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.

31. 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.
32. 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.
33. 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.
34. 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.
35. 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.
36. Gencia I, Baderca F, Avram S, Gogulescu A, Marcu A, Seclaman E, Marian C, Solovan C. A preliminary study of microRNA expression in different types of primary melanoma. *Bosn J Basic Med Sci*. 2020;20(2):197-208. doi: 10.17305/bjbm.2019.4271.
37. Vizitiu AC, Stambouli D, Pavel AG, Muresan MC, Anastasiu DM, Bejinar C, Alexa A, Marian C, Sirbu IO, Sima L. Mature miR-99a Upregulation in the Amniotic Fluid Samples from Female Fetus Down Syndrome Pregnancies: A Pilot Study. *Medicina (Kaunas)*. 2019 Nov 7;55(11):728. doi: 10.3390/medicina55110728.
38. Paunescu IA, Bardan R, Marcu A, Nitusca D, Dema A, Negru S, Balacescu O, Balacescu L, Cumpănas 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.
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40. Vizitiu AC, Stambouli D, Pavel AG, Muresan MC, Anastasiu DM, Bejinar C, Alexa A, Marian C, Sirbu IO, Sima L. Mature miR-99a Upregulation in the Amniotic Fluid Samples from Female Fetus Down Syndrome Pregnancies: A Pilot Study. *Medicina (Kaunas)*. 2019;55(11):728. doi: 10.3390/medicina55110728.
41. Seclaman E, Balacescu L, Balacescu O, Bejinar C, Udrescu M, Marian C, Sirbu IO, Anghel A. MicroRNAs mediate liver transcriptome changes upon soy diet intervention in mice. *J Cell Mol Med*. 2019;23(3):2263-2267.
42. 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]
43. Song MA, Brasky TM, Weng DY, McElroy JP, Marian C, Higgins MJ, Ambrosone C, Spear SL, Llanos AA, Kallakury BVS, Freudenheim JL, Shields PG. Landscape of genome-wide age-related DNA methylation in breast tissue. *Oncotarget*. 2017;8(70):114648-114662.
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45. 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.
46. 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.
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- there yet? Wiley Interdiscip Rev RNA. 2017 Nov;8(6).
48. 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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 51. Minlikeeva AN, Browne RW, Ochs-Balcom HM, Marian C, Shields PG, Trevisan M, Krishnan S, Modali R, Seddon M, Lehman T, Freudenheim JL. Single-Nucleotide Polymorphisms and Markers of Oxidative Stress in Healthy Women. *PLoS One*. 2016;11(6):e0156450.
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 56. Callahan CL, Wang Y, Marian C, Weng DY, Eng KH, Tao MH, Ambrosone CB, Nie J, Trevisan M, Smiraglia D, Edge SB, Shields PG, Freudenheim JL. DNA methylation and breast tumor clinicopathological features: The Western New York Exposures and Breast Cancer (WEB) study. *Epigenetics*. 2016;31:1-10.
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 58. Song MA, Brasky TM, Marian C, Weng DY, Taslim C, Llanos AA, Dumitrescu RG, Liu Z, Mason JB, Spear SL, Kallakury BV, Freudenheim JL, Shields PG. Genetic variation in one-carbon metabolism in relation to genome-wide DNA methylation in breast tissue from healthy women. *Carcinogenesis*. 2016 Mar 9. pii: bgw030. [Epub ahead of print] PMID: 26961134
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- characteristics. *Neoplasma*. 2016;63(1):141-9. PMID: 26639244
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