

Cancer immunology and immunotherapy

Books

Neagu, M., Dobre, E.G. (2024). Chapter 28 New Insights into the Link Between Melanoma and Obesity. In: ENGIN, A.B., ENGIN, A. (eds) Obesity and Lipotoxicity. Advances in Experimental Medicine and Biology, vol 1460. P. p. 851-867. Springer, Cham. https://doi.org/10.1007/978-3-031-63657-8_28 citations 2

Constantin, C., Neagu, M. (2023). Epigenomic Markers in Dermato-oncology Immune Landscape. In: Interdisciplinary Cancer Research. Springer, Cham. https://doi.org/10.1007/16833_2023_165

Bostan, M., Ion, G., Mihaila, M., Roman, V., Constantin, C., Neagu, M.T. (2022). Oxidative Stress Player in Head and Neck Cancer Therapy Response. In: Interdisciplinary Cancer Research. Springer, Cham. Pag 1-35. https://doi.org/10.1007/16833_2022_39

Marinela Bostan, Georgiana Gabriela Petrica-Matei, Gabriela Ion, Nicoleta Radu, Mirela Mihaila, Razvan Hainarosie, Lorelei Irina Brasoveanu, Viviana Roman, Carolina Constantin, Monica Teodora Neagu, Chapter Determination of Cisplatin Effect on Head and Neck Squamous Cell Carcinoma Modulated by Erk1/2 Protein Kinases, *Current Practice in Medical Science Vol. 8*, 22 July 2022 , Page 163-191, <https://doi.org/10.9734/bpi/cpms/v8/3149A>

ISI papers

Understanding Merkel Cell Carcinoma: Pathogenic Signaling, Extracellular Matrix Dynamics and Novel Treatment Approaches. Konstantarakis, M.; Berdiaki, A.; Neagu, M.; Zurac, S.; Krasagakis, K.; Nikitovic, D. *Cancers*, 2025, 17, 1212. <https://doi.org/10.3390/cancers17071212>. IF=6.58

Radionuclides Landscape in Prostate Cancer Theranostics, Monica Neagu, Carolina Constantin, Mihail Eugen Hinescu, Petrisor Gabriel Bleotu, Mara-Georgiana Popovici, Maria-Iulia Zai, Klaus Michael Spohr, *Int. J. Mol. Sci.* 2025, 26(14), 6751; <https://doi.org/10.3390/ijms26146751>. IF=4.9

Antibodies Against Melanoma Antigens - Clinical and Therapeutical Markers. Neagu M, Constantin C, Dobre G-E, Zurac S, *J Dermatol Res.* 2025;6(1):1-22. <https://doi.org/10.46889/JDR.2025.6105>. IF=1.042

Investigating EGFR, BRAF, and RAS Mutations in Oral and Cutaneous Squamous Cell Neoplasms: A Preliminary Report on Romanian Patients, Elena G. Dobre, Ana Căruntu, Adriana N. Munteanu, Mihaela Surcel, Carolina Constantin, Constantin Căruntu, Cristian Scheau, Monica Neagu, *Romanian Journal of Military Medicine*, vol-CXXVII-nr-5, 2024, <https://doi.org/10.55453/rjmm.2024.127.5.2>. IF=0.1

Landscape of Endometrial Cancer: Molecular Mechanisms, Biomarkers, and Target Therapy. Bostan, I.-S.; Mihaila, M.; Roman, V.; Radu, N.; Neagu, M.T.; Bostan, M.; Mehedintu, C. *Cancers* 2024, 16, 2027. <https://doi.org/10.3390/cancers16112027>. IF=6.58.

Langerhans Cells-Revising Their Role in Skin Pathologies, Neagu, Monica; Constantin, Carolina; Jugulete, Gheorghita; Cauni, Victor; Dubrac, Sandrine; Szollosi, Attila Gabor; Zurac, Sabina, *Journal of personalized medicine*, 12(12), 2072, 2022, doi:10.3390/jpm12122072. IF= 3.508.

Healthy Ageing Reflected in Innate and Adaptive Immune Parameters. Munteanu AN, Surcel M, Isvoranu G, Constantin C, Neagu M. *Clin Interv Aging*. 2022 Oct 13;17:1513-1526. doi: 10.2147/CIA.S375926. IF=4.16.

Apprising Diagnostic and Prognostic Biomarkers in Cutaneous Melanoma—Persistent Updating. Georgescu, S.R.; Mitran, C.I.; Mitran, M.I.; Matei, C.; Constantin, C.; Neagu, M.; Tampa, M. *J. Pers. Med.* 2022, 12, 1506. <https://doi.org/10.3390/jpm12091506>. IF= 3.508.

Matrix effectors in the pathogenesis of keratinocyte-derived carcinomas, Rafaela-Maria Kavasi, Monica Neagu, Carolina Constantin, Adriana Munteanu, Mihaela Surcel, Aristidis Tsatsakis, George N Tzanakakis and Dragana Nikitovic, *Frontiers in Medicine-Dermatology*, 9, 2022, DOI 10.3389/fmed.2022.879500. IF=4.47.

Persistent Changes of Peripheral Blood Lymphocyte Subsets in Patients with Oral Squamous Cell Carcinoma, Ana Caruntu; Liliana Moraru; Mihaela Surcel; Adriana Munteanu; Daniel Octavian, Costache; Cristiana Tanase; Carolina Constantin; Cristian Scheau; Monica Neagu; Constantin Caruntu, *Healthcare* 2022, 10, 342. <https://doi.org/10.3390/healthcare10020342>. IF=2.64.

Assessment of Immune Cell Populations in Tumor Tissue and Peripheral Blood Samples from Head and Neck Squamous Cell Carcinoma Patients, Ana Caruntu, Liliana Moraru, Mihaela Surcel, Adriana Munteanu, Cristiana Tanase, Carolina Constantin, Sabina Zurac, Constantin Caruntu and Monica Neagu, *Anal. Cell Pathol*, 2021, Article ID 2328218. <https://doi.org/10.1155/2021/2328218>. IF=2.91.

Neuroendocrine factors in melanoma pathogenesis, Cristian Scheau, Carmen Draghici, Mihaela Adriana Ilie, Mihai Lupu, Iulia Solomon, Mircea Tampa, Simona Roxana Georgescu, Ana Caruntu, Carolina Constantin, Monica Neagu, Constantin Caruntu, *Cancers*, 2021 13(9), 2277; <https://doi.org/10.3390/cancers13092277>. IF=6.63.

Therapeutic potential of interleukin-15 in cancer, Gheorghita Isvoranu, Mihaela Surcel, Adriana Narcisa Munteanu, Ovidiu Gabriel Bratu, Florentina Ionita-Radu, Monica Teodora Neagu, Marioara Chiritoiu-Butnaru, *Exp Ther Med* 2021, 22: 675, <https://www.spandidos-publications.com/10.3892/etm.2021.10107>. IF=2.44.

Metabolic traits in cutaneous melanoma, Monica Neagu, *Front Oncol*, 10: 851, 2020 doi: 10.3389/fonc.2020.00851. IF=6.244.

Autoimmunity

Books

Chapter 11 Immune markers in psoriasis. Mihaela Surcel, Constantin C, Adina Munteanu, Neagu M, In book: Psoriasis, Publisher: INTECH Open Science, ISBN 978-1-80355-376-4, Book edited by: Dr. Aghaei, A. P. S., London: IntechOpen; 2022. Available from: <https://www.intechopen.com/online-first/80408> doi: 10.5772/intechopen.102567

ISI Papers

Microbial signatures of obesity-aggravated psoriasis: insights from an imiquimod-based mouse model, Carolina Constantin, Elena-Georgiana Dobre, Paula Istvan, Adriana Munteanu, Mihaela Surcel, Gheorghita Isvoranu, Monica Neagu, *Int. J. Mol. Sci.* 2025, 26(16), 7697; <https://doi.org/10.3390/ijms26167697> IF=4.9

Psoriasis, stem cells and obesity: metabolic exploration for therapeutics, Carolina Constantin, Elena-Georgiana Dobre, Adriana Narcisa Munteanu, Mihaela Surcel, Constantin Căruntu, Sabina Andrada Zurac, Monica Neagu, *J Med Life*, 2025, 18(7), 608-620. DOI 10.25122/jml-2025-0033 IF=1.61

Immune Portrayal of New Therapy Targeting Microbiota in an Animal Model of Psoriasis, Mihaela Surcel, Carolina Constantin, Adriana Narcisa Munteanu, Diana Antonia Costea, Gheorghita Isvoranu, Elena Codrici, Ionela Daniela Popescu, Cristiana Tănase, Alef Ibram, Monica Neagu, *Journal of Personalized Medicine*, 13(11), 1556; 2023 <https://doi.org/10.3390/jpm13111556>. IF= 3.508.

Insights into Nutritional Strategies in Psoriasis, Constantin, C.; Surcel, M.; Munteanu, A.; Neagu, M. *Nutrients* 2023, 15, 3528. <https://doi.org/10.3390/nu15163528>. IF= 5.9.

Unconventional Therapy with IgY in a Psoriatic Mouse Model Targeting Gut Microbiome. Surcel, M.; Munteanu, A.; Isvoranu, G.; Ibram, A.; Caruntu, C.; Constantin, C.; Neagu, M, *J. Pers. Med.* 2021, 11, 841. <https://doi.org/10.3390/jpm11090841>. IF=4.94.

Molecular Immunology

Books

Chapter 5 Signal Transduction in Immune Cells and Protein Kinases, Monica Neagu and Carolina Constantin, In A. B. Engin, A. Engin (eds.), Protein Kinase-mediated Decisions Between Life and Death, *Advances in Experimental Medicine and Biology*, 1275:133-149 doi: 10.1007/978-3-030-49844-3_5, Springer Nature Switzerland AG 2021. IF= 5.394.

Papers

Extracellular Matrix Components and Mechanosensing Pathways in Health and Disease, Aikaterini Berdiaki, Monica Neagu, Petros Tzanakakis, Ioanna Spyridaki, Serge Pérez, Dragana Nikitovic, *Biomolecules* 2024 Sep 20;14(9):1186. doi: 10.3390/biom14091186. IF=4.8.

Rare copy number variants intersecting Parkinson's-associated genes in a cohort of children with autism spectrum disorders, Erbescu, Alina; Papuc, Sorina Mihaela; Budisteanu,

Magdalena; Dobre, Maria; Iliescu, Catrinel; Hinescu, Mihail-Eugen; Arghir, Aurora; Neagu, Monica, *Neuroscience Insights*. 2025;20. doi:10.1177/26331055251334595, IF=2.9

Assessment of RAS-RAF-MAPK Pathway Mutation Status in Healthy Skin, Benign Nevi, and Cutaneous Melanomas: Pilot Study Using Droplet Digital PCR. Dobre, E.-G.; Nichita, L.; Popp, C.; Zurac, S.; Neagu, M. *Int. J. Mol. Sci.* 2024, 25, 2308. <https://doi.org/10.3390/Ijms25042308> IF=5.6.

Diabetic Neuropathy: A NRF2 Disease? Neagu M, Constantin C, Surcel M, Munteanu A, Scheau C, Savulescu-Fiedler I, Caruntu C. *J Diabetes*. 2024 Sep;16(9):E13524. Doi: 10.1111/1753-0407.13524. IF=4.5.

Hyaluronan And Reactive Oxygen Species Signaling—Novel Cues From The Matrix? Aikaterini Berdiaki; Monica Neagu; Ioanna Spyridaki; Andrey Kuskov; Serge Perez; Dragana Nikitovic, *Antioxidants* 2023, Volume 12, Issue 4, 824. Doi 10.3390/Antiox12040824. IF=7.675.

Re-emerging concepts of immune dysregulation in autism spectrum disorders Alina Erbescu, Sorina Mihaela Papuc, Magdalena Budisteanu, Aurora Arghir, Monica Neagu, *Front. Psychiatry* 13:1006612. doi: 10.3389/fpsy.2022.1006612. IF=5.435.

Skin Cancer Research Goes Digital: Looking for Biomarkers within the Droplets, Elena-Georgiana Dobre, Carolina Constantin, Monica Neagu, *J. Pers. Med.* 2022, 12(7), 1136; <https://doi.org/10.3390/jpm12071136>. IF= 3.508.

Interrogating epigenome toward personalized approach in cutaneous melanoma, Elena-Georgiana Dobre, Carolina Constantin, Marieta Costache, Monica Neagu, *J. Pers. Med.* 2021, 11, 901. <https://doi.org/10.3390/jpm11090901>. IF=4.94

Current Perspectives On The Role of Matrix Metalloproteinases in The Pathogenesis of Basal Cell Carcinoma. Tampa M, Georgescu Sr, Mitran Mi, Mitran Ci, Matei C, Caruntu A, Scheau C, Nicolae I, Matei A, Caruntu C, Constantin C, Neagu M. *Biomolecules*. 2021; 11(6):903. <https://doi.org/10.3390/biom11060903>. IF=4.87.

The role of IGF/IGF-IR-signaling and extracellular matrix effectors in sarcoma pathogenesis, George N. Tzanakakis, Eirini-Maria Giatagana, Aikaterini Berdiaki, Ioanna Spyridaki, Kyoko Hida, Monica Neagu, Aristidis M. Tsatsakis, and Dragana Nikitovic, *Cancers* 2021, 13(10), 2478; <https://doi.org/10.3390/cancers13102478>. IF=6.63.

Glycosaminoglycans: carriers and targets for tailored anticancer therapy, Aikaterini Berdiaki, Monica Neagu, Eirini-Maria Giatagana, Andrey Kuskov, Aristidis Tsatsakis, George Tzanakakis, Dragana Nikitovic, *Biomolecules*, 2021, 11, 395. <https://doi.org/10.3390/biom11030395>. IF=4.87.

Recent advances in signaling pathways comprehension as carcinogenesis triggers in basal cell carcinoma, Mircea Tampa, Simona Roxana Georgescu, Cristina Iulia Mitran, Madalina Irina Mitran, Clara Matei, Cristian Scheau, Carolina Constantin, Monica Neagu, *J Clin Med*, 2020 9(9), 3010; <https://doi.org/10.3390/jcm9093010>. IF=4.24.

Proteoglycans in the pathogenesis of hormone-dependent cancers: mediators and effectors, George Tzanakakis, Eirini-Maria Giatagana, Andrey Kuskov, Aikaterini Berdiaki, Aristidis M.

Tsatsakis, Monica Neagu, Dragana Nikitovic, *Cancers*, 2020, 12(9): E2401. doi: 10.3390/cancers12092401. IF=6.63.

miRNAs in the diagnosis and prognosis of skin cancer, Monica Neagu, Carolina Constantin, Sanda Maria Cretoiu, Sabina Zurac, *Front Cell Dev Biol* 2020, 8:71. <https://doi.org/10.3389/fcell.2020.00071>. IF=6.68.

Infectious diseases

Papers

Immunogenicity evaluation after BNT162b2 booster vaccination in healthcare workers. Zurac S, Vladan C, Dinca O, Constantin C, Neagu M. *Sci Rep*. 2022 Jul 26;12(1):12716. doi: 10.1038/s41598-022-16759-2. IF= 4.543.

Testing antigens, antibodies, and immune cells in COVID-19 as a public health topic – experience and outlines, Monica Neagu, Carolina Constantin, Mihaela Surcel, *Int J Env Res Public Health*, 2021 18, 13173-13189. IF=2.46.

Nano-carriers of COVID-19 vaccines – main pillars of efficacy, Carolina Constantin, Anissa Pisani, Giuseppe Bardi, Monica Neagu, *Nanomedicine* 2021, 16(26):2377-2387, <https://doi.org/10.2217/nmm-2021-0250>. IF=5.30.

COVID-19 vaccination and IgG and IgA antibody dynamics in healthcare workers, Sabina Zurac, Luciana Nichita, Bogdan Mateescu, Cristian Mogodici, Alexandra Bastian, Cristiana Popp, Mirela Cioplea, Claudiu Socoliu, Carolina Constantin, Monica Neagu *Mol Med Rep*, 2021 Aug;24(2):578 doi: 10.3892/mmr.2021.12217. Epub 2021 Jun 16. IF=2.95.

Back to basics in COVID-19: antigens and antibodies – Completing the puzzle, Monica Neagu, Daniela Calina, Anca Oana Docea, Carolina Constantin, Tommaso Filippini, Marco Vinceti, Nikolaos Drakoulis, Konstantinos Poulas, Taxiarchis Konstantinos Nikolouzakakis, Demetrios A. Spandidos, Aristidis Tsatsakis, *J Cell Mol Med*, 2021, 25 (10): 4523-4533, <https://doi.org/10.1111/jcmm.16462>. IF=5.31.

IgY - turning the page toward passive immunization in COVID-19 infection, Carolina Constantin, Monica Neagu, Teodora Supeanu, Viorica Chiurciu, Demetrios Spandidos, *Exp Ther Med* 2020, 20(1):151-158. <https://www.spandidos-publications.com/10.3892/etm.2020.8704>. IF=2.44.

The bumpy road to achieve herd immunity in COVID-19, Monica Neagu, *J Immunoassay Immunochem*, 2020, 41(6): 928–945 DOI: 10.1080/15321819.2020.1833919. IF=0.72.