

2024 Dissemination

International book chapter

- Neagu, M., Dobre, EG. (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. Springer, Cham. https://doi.org/10.1007/978-3-031-63657-8_28

Published 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**
- Hyaluronate loaded advanced wound dressing in form of in situ forming hydrogel powders: Formulation, characterization, and therapeutic potential, Chiara Amante, Monica Neagu, Giovanni Falcone, Paola Russo, Rita P. Aquino, Luigi Nicolais, Pasquale Del Gaudio International Journal of Biological Macromolecules, Volume 274, Part 2, 2024,133192, ISSN 0141-8130, <https://doi.org/10.1016/j.ijbiomac.2024.133192>. **IF=8.2**.
- 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**

- Implications of oral dysbiosis and HPV infection in head and neck cancer: from molecular and cellular mechanisms to early diagnosis and therapy. Constantin M, Chifiriuc MC, Mihaescu G, Vrancianu CO, Dobre E-G, Cristian R-E, Bleotu C, Bertesteanu SV, Grigore R, Serban B and Cirstoiu C (2023) *Front. Oncol.* 13:1273516. doi: 10.3389/fonc.2023.1273516. **IF=6.244**
- 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>.
- CAR-T Cells – Main Steps for Obtaining a Proper “Live Drug” Adoptive Therapy, Monica Neagu, Carolina Constantin, *South East European Journal of Immunology*. 2024 Jan 23; 7(1):13-20. <https://doi.org/10.3889/seejim.2024.6063>

National Projects

Pathways towards laser-neutron-induced radiologic production and enhancement of FDA approved ¹⁷⁷Lu-based prostate cancer therapies supported by in vitro essays ELI-RO_17LaLuThe - **financed project, 2024-2026**

Communications

International communications

- Antigen presenting cells in melanoma – role in tumor regression, Teodora Monica Neagu, Carolina Constantin, Carmen Dumitru, Sabina Zurac, Eur. J. Immunol. 2024. 54(Suppl. 1): 1–1746, DOI: 10.1002/eji.202470200, 111 – P1.03.01, page 591.
- A new pathway towards immunotherapy-supported radiology, Klaus Spohr, Marius Jurca, Neagu Teodora Monica, Paunescu Virgil, Eur. J. Immunol. 2024. 54(Suppl. 1): 1–1746, DOI: 10.1002/eji.202470200, 934 – P1.09.23, page 753.
- Pro-inflammatory cytokine/chemokines pattern in obesity induced experimental psoriasis Carolina Constantin, Mihaela Surcel, Adriana Narcisa Munteanu, Gheorghita Isvoranu, Neagu Teodora Monica, Eur. J. Immunol. 2024. 54(Suppl. 1): 1–1746, DOI: 10.1002/eji.202470200, 113 – P2.01.01, page 944.
- Mutational profiling in cutaneous melanoma using droplet digital PCR, Monica Neagu, Georgiana Dobre, Carolina Constantin, Mihaela Surcel, Adriana Narcisa Munteanu, Sabina Zurac, European Association of Dermato-venerology Congress, Amsterdam, 2024

National communications

- Assessment of RAS-RAF-MAPK Pathway Mutation Status in Healthy Skin, Benign Nevi, and Cutaneous Melanomas Using Droplet Digital PCR, Monica Neagu, Georgiana Dobre, Carolina Constantin, Mihaela Surcel, Adriana Narcisa Munteanu, Sabina Zurac, A XIV-a Conferință Națională cu Participare Internațională a Societății Române de Dermato-oncologie și A XXVII-a Conferință a Asociației Dermatologilor Transilvani, Cluj, 2024
- Assessment of Ras-Raf-MAPK mutations in melanoma, benign nevi and healthy skin using ddPCR, Droplet Digital PCR on tour, Bucuresti, 2024
- Insights in genetic and epigenetic traits in cutaneous melanoma - new therapy targets, Monica Neagu, 8th International Conference Cancer Immunotherapy & Immunomonitoring, Bucuresti, 2025