

List of Publications

Books and book's chapters:

1. Chapter 6 New technologies for genetic profiling of skin melanoma and squamocelular carcinomas, **Monica Neagu**, Elena-Georgiana Dobre, Carolina Constantin, Innovative therapies and up-dates in cutaneous pathology Publ House Medical Life, ISBN 978-630-6631-20-9, Editors Rodica Cosgarea, Dan-Dumitru Mihalache, Bucharest 2025 (in Romanian)
2. **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. P. p. 851-867. Springer, Cham. https://doi.org/10.1007/978-3-031-63657-8_28 citations 2
3. **Monica Neagu**, Carolina Constantin, Your Amazing Immune System, Romanian translation, *Wiley Blackwell*, 2023, EFIS ISBN: 978-3-00-028073-3
4. 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
5. 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
6. 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>
7. 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
8. 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. citations 12.
9. Chapter 17. Current Biomarkers Up-dates in toxicology. **Neagu M**, Constantin C, Garcia C, Del Gaudio P, pages 191-204, In *Clinical Biomarkers Updates, Toxicological Risk Assessment and Multi-System Health Impacts from Exposure*. 1st Edition. **Published Date:** 1st August 2021, **Editor:** Aristidis Tsatsakis; **ISBN:** 9780323852159, [Updates on current biomarkers in toxicology - ScienceDirect](https://doi.org/10.1007/978-3-030-49844-3_5).
10. Chapter Schwann Cell Plasticity in Peripheral Nerve Regeneration after Injury, Emilia Manole, Alexandra Eugenia Bastian, Ana Maria Oproiu, **Monica Teodora Neagu**, Carolina Constantin and Gheorghita Isvoranu, April 2020, DOI: 10.5772/intechopen.91805, In book: Schwann Cells, Publisher: INTECH Open Science, page 1-20, Edited by Emeritus Prof. Stavros J Baloyannis.
11. Chapter 10 Tumour Microenvironment in Skin Carcinogenesis, Simona Roxana Georgescu, Mircea Tampa, Cristina Iulia Mitran, Madalina Irina Mitran, Constantin Caruntu, Ana Caruntu, Mihai Lupu, Clara Matei, Carolina Constantin, **Monica Neagu** In: Birbrair A. (eds) Tumor Microenvironments in Organs. *Advances in Experimental Medicine and Biology*, vol 1226. Springer, Cham 2020 pp 123-142. https://doi.org/10.1007/978-3-030-36214-0_10. IF= 2.62. citations 52.
12. Chapter 17. Toxicological Testing of Plant Products, **Monica Neagu** and Carolina Constantin In: *Phytochemistry*, volume I, Part II: Methods and Techniques, CRC Press, 2018 ISBN: 978-1-77188-762-5.
13. Chapter 4 Immunoassay Techniques Highlighting Biomarkers in Immunogenetic Diseases, Emilia Manole, Ionela D. Popescu, Carolina Constantin, Simona Mihai, Gisela F. Gaina, Elena Codrici, Alexandra E. Bastian and **Monica T. Neagu** In: *Immunogenetics*, Intech, 978-1-83880-348-3, 2018 DOI: 10.5772/intechopen.75951.
14. Chapter 6 Squamous Cell Carcinoma - Biomarkers and Potential Therapeutic Targets, Vlad-Mihai Voiculescu, Constantin Caruntu , Iulia Solomon, Mihai Lupu, Mihaela Adriana Ilie, Daniel Boda, Carolina Constantin, **Monica Neagu**, In: *Human Skin Cancers, Potential Biomarkers and Therapeutic Targets*, Ed. Intech, ISBN 978-953-51-5584-3, 2018.pp 136-159. DOI: 10.5772/intechopen.70767.
15. Chapter 10 Nanomedicine in melanoma, Ayman El-Meghawry El-Kenawy, Carolina Constantin, Snur M. A. Hassan, Alshimaa Mohamed Mostafa, Adriana Freitas Neves, Thaise Gonçalves de Araújo, **Monica Neagu**, Page 143-159, In *Cutaneous Melanoma: Etiology and Therapy*. William H. Ward and Jeffrey M. Farma (Editors), Codon Publications, Brisbane, Australia. ISBN: 978-0-9944381-4-0; Doi: <http://dx.doi.org/10.15586/codon.cutaneousemelanoma.2017>. citations 6.
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17. Chapter 8 Immunogenicity of Stem Cell in Tumorigenesis Versus Regeneration, **Monica Neagu** and Carolina Constantin in "Stem Cells between Regeneration and Tumorigenesis", Editors Cristiana Tanase and Monica Neagu, Bentham Pbl. House, Pp. 202-234 (33), 2016.
18. Chapter 9 *New Insights in Cutaneous Melanoma Immune-Therapy — Tackling Immune-Suppression and Specific Anti-Tumoral Response*, **Monica Neagu** and Carolina Constantin in "Melanoma", Book edited by: Prof. Mandi Murph, InTech, published on-line 2015, p 225-246, ISBN 978-953-51-2036-0. DOI: 10.5772/59494

19. GHID DE ORGANIZARE A LABORATORULUI DE IMUNOLOGIE. Ioana Berindan-Neagoe, Cornelia Braicu, Roxana Cojocneanu-Petric, Carolina Constantin, Maria Dobre, Radu-Ionuț Huică, Laura Ispravă, Gina Manda, Előd Nagy, Ionela Neagoe, **Monica Neagu**, Aurora Sălăgeanu, Mihaela Surcel, Cătălin Țucureanu, Cornel Ursaciuc, Mihaela Zlei. 2014, ISBN 978-973-693-550-3.
20. Proteomics from research to clinic, Tanase C, **Neagu M**, Albuiescu R, Constantinescu S.N, Constantin C, Manole E, Popescu ID, Codrici E, Mihai S, Albuiescu L, Romanian Medical Life Ed, 2013, ISBN 978-973-160-075-8.
21. Immunogenomics, Immunotranscriptomics compendium, Ursaciuc C, **Neagu M**, Constantin C, Dobre M, Huica R, Romanian Medical Life Ed, 2013, ISBN 978-973-160-080-2.
22. Fundamental Immunology Compedium, Ursaciuc C, **Neagu M**, Manda G, Romanian Medical Life Ed, 2012, ISBN 978-973-160-057-4.
23. Chapter 5 *The immune system - a hidden treasure for biomarker discovery in cutaneous melanoma*, **Monica Neagu**, In Gregory S. Makowski, editor: *Advances in Clinical Chemistry*, Burlington: Academic Press vol 58, 2012 pp. 89-140 ISBN: 978-0-12-394383-5. DOI: [10.1016/b978-0-12-394383-5.00011-4](https://doi.org/10.1016/b978-0-12-394383-5.00011-4). **IF= 5.394, citations 35**.
24. Chapter 5 *Immune-therapy in cutaneous melanoma – efficacy immune markers*, **Monica Neagu**, Carolina Constantin in "Advancements in Tumor Immunotherapy and Cancer Vaccines ", pages 83-106, InTech, February 2012, ISBN 978-953-307-998-1. DOI: 10.5772/23493
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26. Chapter 9 Application of electron accelerators in conjunction with microwave sources for medical studies, Diana Martin, Gabriela Craciun, Irina Margaritescu, **Monica Neagu**, Elena Manaila, Daniel Ighigeanu, Laurentiu Tudor and Nicusor Iacob, in „Ultrasound and Microwave: *Recent Advances in Organic Chemistry*, 2011: ISBN: 978-81-7895-532-2, Editors: Jean Pierre Bazureau and Micheline Draye
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28. Methods in humoral and cellular immunology, Dorel L. Radu, Crina Stavaru, Iuliana Caras, Gina Manda, **Monica Neagu**, Eugen Radu, Cornel Ursaciuc, Laurentiu Mircea Popescu, Ed. University “Carol Davila”, Bucharest, 2006, ISBN: 973-708-084-X
29. Dictionary of Biochemistry and Molecular Biology, Elena Moldovan, **Monica Neagu**, Laurentiu M. Popescu, Medical Publishing House, 2001
30. Interferences at the respiratory burst level between the signals delivered *in vitro* to human peripheral neutrophils *via* fMLP, complement and Fc receptors, Marinela Bostan, Alexandra Livescu, **Monica Neagu**, Gina Manda, Maria Chirila, Elena Mazalu, A. C. Bancu , L.M. Popescu, Immunoregulation in Health and Disease, Experimental and Clinical Aspects, edited by M.L.Lukic, M. Colic, Marija Mostarica-Stojkovic and K. Cuperlovic, Academic Press, Section 4: Host reactivity to graft, tumor and infection, Chapter 41, p. 431-438, 1997.

A1 Research papers

1. Toll-like Receptor 7/8 Agonists Exert Antitumor Effect in a Mouse Melanoma Model. Isvoranu, G.; Surcel, M.; Enciu, A.-M.; Munteanu, A.N.; **Neagu, M.**; Niculae, A.M.; Chiritoiu, G.; Munteanu, C.V.A.; Chiritoiu-Butnaru, M. *Medicina* **2026**, 62, 141. <https://doi.org/10.3390/medicina62010141>. **IF=2.58**
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4. 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**
5. 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**
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9. Review and perspectives on the sustainability of organic aerogels, García-González, Carlos; Blanco-Vales, María; Barros, Joana ; Boccia, Antonella caterina; Budtova, Tatiana; Durães, Luisa; Erkey, Can; Gallo, Marta; Herman, Petra; Kalmár, József; Iglesias-Mejuto, Ana; Malfait, Wim; Zhao, Shanyu; Manzocco, Lara; Plazzotta, Stella; Milovanovic, Stoja; **Neagu, Monica**; Nita, Loredana Elena; Paraskevopoulou, Patrina; Roig, Anna; Simón-Vázquez, Rosana; Smirnova, Irina; Tomovic, Zeljko; López-Iglesias, Clara, *ACS Sustainable Chemistry & Engineering* 2025, 13,6469–6492, doi: 10.1021/acssuschemeng.4c09747. **IF=7.1. citations 6.**
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22. Compendium of Safety Regulatory for Safe Applications of Aerogels, Boccia, A.C.; Pulvirenti, A.; García-González, C.A.; Grisi, F.; **Neagu, M.** *Gels* 2023, 9, 842. <https://doi.org/10.3390/gels9110842>. **IF= 4.6. Citations 9.**
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26. 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, citation 60.**
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39. Safety and efficacy assessment of aerogels for biomedical applications, Tânia Ferreira-Gonçalves, Carolina Constantin, **Monica Neagu**, Catarina Pinto Reis, Firouzeh Sabri and Rosana Simón-Vázquez, *Biomed & Pharmacoth*, 2021 144:112356. doi: 10.1016/j.biopha.2021.112356. **IF=6.53, citations 61.**
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