

List of Publications

Books and book's chapters:

1. 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.
2. Dictionary of Biochemistry and Molecular Biology, Elena Moldovan, **Monica Neagu**, Laurentiu M. Popescu, Medical Publishing House, 2001
3. 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
4. Chapter *Advances in Pancreatic Cancer Detection*, Cristiana Pistol Tanase, **Monica Neagu**, Radu Albuлесcu, Mihail Eugen Hinescu in *Advances in Clinical Chemistry*, 51, Pages 145-180, 2010 ISBN 13: 978-0-12-380981-0
5. 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
6. *Dermato-oncology*, Set of 2 Volumes, Vol. 1, Vol. 2, Authors (in alphabetical order): Robert Ancuceanu, Corina Baican, Daniel Boda, Daciana Brănișteanu, Daniel Brănișteanu, Constantin Căruntu, Constantin Ciuce, Carolina Constantin, Rodica Cosgarea, Adriana Diaconeasa, Laszo Fekete, Julia Edit Fekete, Ana-Maria Forsea, Dan Forsea, Nicolae Fotin, Victor Georgescu, Daniela Guțu, Mihai Ioana, Gabriel Ianoși, Simona Ianoși, Rodica Ion, Mihaela Leventer, Francisc Mixich, Roxana Mustață, **Monica Neagu**, Dragoș Pieptu, Florian Popa, Cătălin Popescu, Raluca Popescu, Sanda Popescu, Caius Solovan, Simona Șenilă, Florica Stăniceanu, Laurențiu Vlădău, Cristiana Tănase, Dragoș Teodorescu-Brânzeu, Sabina Zurac, Editura Universitară „Carol Davila” București 2011-2013, ISBN: 978-973-708-542-9
7. 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
8. 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
9. *Fundamental Immunology Compendium*, Ursaciuc C, **Neagu M**, Manda G, Romanian Medical Life Ed, 2012, ISBN 978-973-160-057-4
10. *Immunogenomics, Immunotranscriptomics compendium*, Ursaciuc C, **Neagu M**, Constantin C, Dobre M, Huica R, Romanian Medical Life Ed, 2013, ISBN 978-973-160-080-2
11. *Proteomics from research to clinic*, Tanase C, **Neagu M**, Albuлесcu R, Constantinescu S.N, Constantin C, Manole E, Popescu ID, Codrici E, Mihai S, Albuлесcu L, Romanian Medical Life Ed, 2013, ISBN 978-973-160-075-8
12. 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.
13. 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.

14. 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.
15. Chapter 1 *Photosensitizers imprinting intracellular signalling pathways in dermato-oncology therapy*, C. Constantin and **M. Neagu**, In: Photomedicine - Advances in Clinical Practice, Ed. Yohei Tanaka, ISBN 978-953-51-3156-4, Ed. Intech, Pp 1-27, 2017
16. 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.cutaneousmelanoma.2017>
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18. 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.
19. 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
20. 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.
21. 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.

Research papers – A1 publications

1. Snapshot – changing melanocyte identity in melanoma developing route, **Monica Neagu**, Carolina Constantin, Iulia Popescu, Basak Engin, *Journal of Cell Identity*, 2020 (*in press*)
2. Metabolic traits in cutaneous melanoma, **Monica Neagu**, *Frontiers in Oncology*, 10: 851, 2020 doi: 10.3389/fonc.2020.00851
3. IgY - turning the page toward passive immunization in COVID-19 infection, Carolina Constantin, **Monica Neagu**, Teodora Supeanu, Viorica Chiurciu, Demetrios Spandidos, *Exp Ther Med* 1 May 2020, <https://www.spandidos-publications.com/10.3892/etm.2020.8704>
4. Computational Models Using Multiple Machine Learning Algorithms for Predicting Drug Hepatotoxicity with the DILIrank Dataset, Robert Ancuceanu, Marilena Viorica Hovanet, Adriana Iuliana Anghel, Florentina Furtunescu, **Monica Neagu**, Carolina Constantin and Mihaela Dinu, March 2020, *International Journal of Molecular Sciences* 21(6):2114, DOI: [10.3390/ijms21062114](https://doi.org/10.3390/ijms21062114)
5. miRNAs in the diagnosis and prognosis of skin cancer, **Monica Neagu**, Carolina Constantin, Sanda Maria Cretoiu, Sabina Zurac, *Frontiers in Cell and Developmental Biology*, 28 February 2020 |

6. Rosmarinus plants: key farm concepts toward food application, *Phytotherapy Research*, Sharifi-Rad J, Ezzat SM, El Bishbishy MH, Mnayer D, Sharopov F, Kılıç CS, **Neagu M**, Constantin C, Sharifi-Rad M, Atanassova M, Nicola S, Pignata G, Salehi B, Fokou PVT, Martins N, 2020 Feb 14. doi: 10.1002/ptr.6622.
7. The role of matrix metalloproteinases in the epithelial–mesenchymal transition of hepatocellular carcinoma, Cristian Scheau, Ioana Anca Badarau, Raluca Costache, Constantin Caruntu, Gratiela Livia Mihai, Andreea Cristiana Didilescu, Carolina Constantin, and **Monica Neagu**, *Analytical Cellular Pathology* Volume 2019, Article ID 9423907, 10 pages <https://doi.org/10.1155/2019/9423907>
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9. Proteomic Technology “Lens” for Epithelial-Mesenchymal Transition Process Identification in Oncology, **Monica Neagu**, Carolina Constantin, Marinela Bostan, Constantin Caruntu, Simona Rebeca Ignat, Sorina Dinescu, Marieta Costache October 2019, *Analytical Cellular Pathology* (Amsterdam) 2019:1-17, 2019 Oct 29;2019:3565970. doi: 10.1155/2019/3565970. eCollection 2019. Review.
10. Genotoxic, cytotoxic, and cytopathological effects in rats exposed for 18 months to a mixture of 13 chemicals in doses below NOAEL levels, Tsatsakis A, Docea AO, Constantin C, Calina D, Zlatian O, Nikolouzakis TK, Stivaktakis PD, Kalogeraki A, Liesivuori J, Tzanakakis G, **Neagu M**, *Toxicology Letters*, 2019 2019 Nov;316:154-170. doi: 10.1016/j.toxlet.2019.09.004. Epub 2019 Sep 12.
11. Critical assessment and integration of separate lines of evidence for risk assessment of chemical mixtures, Antonio F. Hernandez, Aleksandra Buha, Carolina Constantin, David R. Wallace, Dimosthenis Sarigiannis, **Monica Neagu**, Biljana Antonijevic, A. Wallace Hayes, Martin F. Wilks, Aristidis Tsatsakis, *Archives of Toxicology*, October 2019, Volume 93, Issue 10, pp 2741–2757, <https://doi.org/10.1007/s00204-019-02547-x>
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16. Peripheral immune cell markers in children with recurrent respiratory infections in the absence of primary immunodeficiency Adriana Narcisa Munteanu, Mihaela Surcel, Radu Ionuț Huică, Gheorghita Isvoranu, Carolina Constantin, Ioana Ruxandra Pîrvu, Carmen Chifiriuc, Coriolan Ulmeanu, Cornel Ursaciuc and **Monica Neagu**, *Exp Ther Med*, 18(3):1693-1700. 2019doi: 10.3892/etm.2019.7714.
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 21. An Opinion Paper on Aerogels for Biomedical and Environmental Applications, Carlos A. García-González, Tatiana Budtova, Luisa Durães, Can Erkey, Pasquale Del Gaudio, Pavel Gurikov, Matthias Koebel, Falk Liebner, **Monica Neagu** and Irina Smirnova, *Molecules* 2019, 24, 1815; page 2-15, doi:10.3390/molecules2409181
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 23. The blood-brain barrier and beyond: Nano based neuropharmacology and the role of extracellular matrix, Henrich-Noack Petra, Nikitovic Dragana, **Neagu Monica**, Docea Anca Oana, Engin Ayse Basak, Gelperina Svetlana, Mitsias Panagiotis, Tzanakakis George, Gozes Illana, Tsatsakis Aristidis, *Nanomedicine: Nanotechnology, Biology and Medicine*, 2019 Feb 10. 17 (2019) 359–379, doi: 10.1016/j.nano.2019.01.016
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 25. Syncytial virus respiratory infections in children – immunological aspects, Adriana Narcisa Munteanu, Mihaela Surcel, Carolina Constantin, **Monica Neagu**, *Rev. Biol. Biomed. Sci.* 2019 2 (1) 29-39 DOI: 10.31178/rbbs.2019.2.1.4
 26. Inflammation in Cancer: Part of the Problem or Part of the Solution? Editorial **Monica Neagu**, Donato Zipeto, and Iulia D. Popescu, *Journal of Immunology Research*, Volume 2019, Article ID 5403910, 2 pages, <https://doi.org/10.1155/2019/5403910>
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