

CURRICULUM VITAE

PERSONAL DETAILS

Family name, First name: **Munteanu, Adriana Narcisa**

Researcher unique identifier(s): <https://orcid.org/0000-0002-6464-381X> (ORCID)

URL for web site: <https://www.webofscience.com/wos/author/record/46041148> (WoS profile)

• Education and key qualifications

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| 2018-2024 | PhD in Biology, <i>Summa cum laude</i>
Faculty of Biology, University of Bucharest, Romania |
| 1999-2001 | MSc, Specialization in Biochemistry and Molecular Biology,
Faculty of Biology, University of Bucharest, Romania |
| 1994-1998 | BSc, Specialization in Biochemistry
Faculty of Biology, University of Bucharest, Romania |

• Current position(s)

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| 2007 - present | Researcher, Immunology Department
Victor Babes National Institute of Pathology Bucharest, Romania |
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• Previous position(s)

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| 2000 - 2007 | Research Assistant, Immunology Department
Victor Babes National Institute of Pathology Bucharest, Romania |
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RESEARCH ACHIEVEMENTS AND PEER RECOGNITION

Research achievements

Research topics: humoral and cellular immunology, molecular biology, immunogenomics, co-inventor for two patents related to photodynamic therapy PDT in skin pathologies. I have a degree master in Biochemistry and Molecular Biology, specialization performed at the University of Bucharest, Faculty of Biology. I obtained my PhD with *Summa cum laudae* at Doctoral School of Biology, Faculty of Biology, Bucharest (2024). During my PhD thesis I investigated functional immunodeficiencies with respiratory manifestations in children and healthy adults, and I published as first author 2 ISI and 2 BDI articles related to my PhD thesis. Also, I was participant in more than 25 national and international research projects and the scientific activity carried out so far has resulted in the publication of more than 30 ISI- or BDI-indexed papers, one book and one book chapter summing up Hirsch Index=12 (Clarivate, WOS). I participated in many national and international conferences related to cellular and humoral immunology, molecular biology and genomics. I was involved in two service contracts related with genomics: "Immunological and molecular determinations regarding viral implications in prostate adenoma" (2013 - 2014), and "Laboratory molecular determinations regarding the detection of EWS-FL fusion in sarcomas" (2013 - 2014). In 2018, I was trainer for flow cytometry during "The Flow Cytometry Summer School, 2nd Edition, Advanced cytometry workshops on Cell Biology & Immunology and Hematology" and I trained students in molecular biology and flow cytometry domains during "Vacation school" which was held in Victor Babes National Institute, Bucharest in 2020. In addition, the 2 EU funds projects (POSDRU/81/3.2/S/58819, POSDRU/81/3.2/S/59497) in which I have been nominated as technical expert in humoral and cellular immunology (teaching and mentoring activity) were a perfect occasion to share the acquired knowledge. I was involved as member in COST Action 18125 "Advanced Engineering and Research of aeroGels for Environment and Life Sciences AeroGels". An important specialization in Next Generation Sequencing (Ion Torrent PGM) was performed in Antisel Quarter, Athens, in the frame of "Modernization of the INCD Victor Babes infrastructure for advanced research in cellular and molecular medicine – CAMED" project who deepened the acquired knowledge in genomics. Besides my publication tracking record, being a volunteer reviewer for Journal of Cellular and Molecular Medicine (JCMM-02-2025-306) has shown me the difficulties in research papers evaluation.

Main publications:

- **Peripheral immune cell markers in children with recurrent respiratory infections in the absence of primary immunodeficiency**, **Munteanu AN**, Surcel M, Huică RI, Isvoranu G, Constantin C, Pîrvu IR, Chifiriuc C, Ulmeanu C, Ursaciuc C, Neagu M, 2019, *Experimental and therapeutic medicine*, 1693-1700, <https://doi.org/10.3892/etm.2019.7714> , **IF=1.785, citations 18**
- **Healthy Ageing Reflected in Innate and Adaptive Immune Parameters**. **Munteanu AN**, Surcel M, Isvoranu G, Constantin C, Neagu M. *Clinical Interventions in Aging*. 2022 Oct 13;17:1513-1526. <https://doi.org/10.2147/CIA.S375926> . **IF=3.97, citations 5**
- **Microbial Signatures of Obesity-Aggravated Psoriasis: Insights from an Imiquimod-Based Mouse Model**. Constantin, C.; Dobre, E.-G.; Istvan, P.; **Munteanu, A.N.**; Surcel, M.; Isvoranu, G.; Neagu, M. *Int. J. Mol. Sci.* 2025, 26, 7697. <https://doi.org/10.3390/ijms26167697> **IF=4.9**
- **Psoriasis, stem cells and obesity: metabolic exploration for therapeutics**, Constantin C., Dobre E.G., **Munteanu A.N.**, Surcel M., Caruntu C., Zurac S, Neagu J *Med Life*. 2025 Jul;18(7):608-620 <https://doi.org/10.25122/jml-2025-0033> **IF=1.61**
- **Immune Portrayal of a New Therapy Targeting Microbiota in an Animal Model of Psoriasis**. Surcel M, Constantin C, **Munteanu AN**, Costea DA, Isvoranu G, Codrici E, Popescu D, Tănase C Ibram A, Neagu M. *Journal of Personalized Medicine* 2023, Volume:13, Issue: 1, 1556, Pages: 1-25. <https://doi.org/10.3390/jpm13111556> **IF=3.4, citations 3**
- **Insights into Nutritional Strategies in Psoriasis**, C Constantin, M Surcel, **A Munteanu**, M Neagu. *Nutrients*, 2023, Volume: 15, Issue:16, 3528 <https://doi.org/10.3390/nu15163528> Published: AUG 2023 **IF=5.9, citations 11**
- **Unconventional Therapy with IgY in a Psoriatic Mouse Model Targeting Gut Microbiome** Surcel M, **A Munteanu**, G Isvoranu, A Ibram, C Caruntu, C Constantin, M Neagu. *Journal of Personalized Medicine* Volume: 11, Issue: 9, Pages: 1-21. <https://doi.org/10.3390/jpm11090841> **IF=4,945, citations 9**
- **Reinforcing NK cells involvement in psoriasisform dermatitis animal model**, Surcel M, **Munteanu AN**, Huică RI, Isvoranu G, Pîrvu IR, Constantin C, Bratu O, Căruntu C, Zaharescu I, Sima L, Ursaciuc C, Neagu M, 2019, *Experimental and therapeutic medicine*, <https://doi.org/10.3892/etm.2019.7967> **IF=1.785, citations 16**

Peer recognition

- 2024 – **Invited speaker** “Immunological investigation of functional immunodeficiencies with respiratory manifestations”, **AN Munteanu**, M Surcel, C Constantin, M Neagu. *Victor Babes National Institute Conference*, 7-8 November 2024, Bucharest;
- 2020 - **Invited speaker** “Recurrent respiratory infections in children – phenotype of lymphocyte populations and subpopulations”. **AN Munteanu**, M Surcel, G Isvoranu, IR Pîrvu, O Bratu, C Constantin, TM Neagu. *The 4th Conference of the Romanian Association of Immuno-Dermatology and the 49th Conference of the Romanian Society of Immunology*, on-site and online event, 30 September – 03 October 2020;
- 2020 - **Trainer** - *Molecular biology and flow cytometry*, Vacation School, Victor Babes Institute, Bucharest;
- 2019 - **Invited speaker** “Cellular immune status in children with recurrent respiratory infections”, **Munteanu AN**, Surcel M, Isvoranu G, Pîrvu IR, Constantin C, Ursaciuc C, Neagu TM. *Immunopedia Conference*, November 20-23, 2019, Euro Hotels International Grivita, Bucharest, Romania;
- 2018 - **Trainer** - *The Flow Cytometry Summer School, 2nd Edition*, Advanced cytometry workshops on Cell Biology & Immunology and Hematology, 6-8 July 2018, Bucharest;
- 2015 - Full **fellowship** - *EFIS-EJI Summer School SEEIS2015*, Becici, Montenegro;
- Coordination and organization of scientific events with international participation: member of the organizing committee of the *Annual Session of the Victor Babes Institute Symposium* (2018-2021); member of the organizing committee of the *Annual Immunology Conferences* (2017, 2019, 2020).

Awards

- 2020 - "*Carmen Stroilă*" Award for outstanding presentation: **Recurrent respiratory infections in children - phenotype of lymphocyte populations and subpopulations**, **Munteanu AN**, Surcel M, Isvoranu G, Pîrvu IR, Bratu O, Constantin C, Neagu TM, 2020. *4th conference of the Romanian Association of Immuno-Dermatology and 49th Conference of the Romanian Society of Immunology*, 30 Sep – 03 Oct 2020, Bucharest;
- **UEFISCDI Paper prize**: Unconventional Therapy with IgY in a Psoriatic Mouse Model Targeting Gut Microbiome, Surcel Mihaela, **A Munteanu**, G Isvoranu, [...], C Constantin, M Neagu. *Journal of*

Personalized Medicine,11(9):1-21. <https://doi.org/10.3390/jpm11090841>(**PN-III-P1-1.1-PRECISI-2021-60603**);

- **UEFISCDI Paper prize:** Assessment of Immune Cell Populations in Tumor Tissue and Peripheral Blood Samples from Head and Neck Squamous Cell Carcinoma Patients. A Căruntu, L Moraru, M Surcel, **A Munteanu**, C Tănase, C Constantin, S Zurac, C Căruntu, M Neagu, Analytical Cellular Pathology,2021, Article ID 2328218, 7 pages <https://doi.org/10.1155/2021/2328218>(**PN-III-P1-1.1-PRECISI-2021-67350**);
- **UEFISCDI Paper prize:** Matrix Effectors in the Pathogenesis of Keratinocyte-Derived Carcinomas. Kavasi RM, Neagu M, Constantin C, **Munteanu AN**, Surcel M, et al, 2022. Frontiers in Medicine, 29 apr 2022, <https://doi.org/10.3389/fmed.2022.879500>(**PN-IV-P2-2.3-PRECISI-2023-69438**)

Patents

- Purifying preparing immunoglobulin Y formed from hyperimmune eggs by using automatic high-performance liquid chromatography system, and of testing the biological activity of resulting fractions on the standard cell line CAL-27, V Chiurciu, A Ibram, M Neagu, C Tanase, C Constantin, M Surcel, **AN Munteanu** - Patent number RO137295-A2 Patent OSIM A000473/11.08.2021
- Establishing immunologically relevant set of interleukins, cytokines and chemokines in psoriasis animal model treated with immunoglobulin Y obtained from hyperimmune egg by determining serum concentration of samples versus control of complex of e.g. cytokines, C Tănase, M Neagu, E Codrici, D Popescu, AM Enciu, G Isvoranu, M Surcel, **A Munteanu**, V Chirciu, A Ibram, Patent number RO135591-A0, Patent OSIM A00067811.11.2021

ADDITIONAL INFORMATION

Total number of publications: 20 (Web of Science),

Total number of citations (excluding self-citations): 218 (Web of Science),

h-index: 12 (Web of science).

Career breaks, unconventional career paths and major life events

During the 2 years (2018-2020) spent in private diagnostic clinic, I have gained experience in clinical diagnostics and environmental safety, in accordance with European and international standards.

Quartiles for Web of Science Core Collection

Nb.	Title, Authors, Journal	IF	Citations	Quartile/ domain
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.. <i>Medicina</i> 2026, 62, 141. https://doi.org/10.3390/medicina62010141	IF=2.4	-	Q2 Medicine, General and Internal
2	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, <i>Int. J. Mol. Sci.</i> 2025, 26(16), 7697; https://doi.org/10.3390/ijms26167697	IF=4.9	-	Q1 Chemistry
3	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, <i>J Med Life</i> , 2025, 18(7), 608-620. DOI 10.25122/jml-2025-0033	IF=1.61	-	-
4	Single-Component Starch-Based Hydrogels for Therapeutic Delivery. Pulvirenti A, Boccia AC, Constantin C, Surcel M, Munteanu A, Peteu VE, Neagu M. <i>Molecules</i> . 2024 Nov 20;29(22):5463. doi: 10.3390/molecules29225463.	IF=4.46,	2	Q2 Chemistry
5	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, <i>Romanian Journal of Military Medicine</i> , vol-CXXVII-nr-5, 2024, https://doi.org/10.55453/rjmm.2024.127.5.2 .	IF=0.1	1	Q4 Medicine general
6	Diabetic neuropathy: A NRF2 disease? Neagu M, Constantin C, Surcel M, Munteanu A, Scheau C, Savulescu-Fiedler I, Caruntu C. <i>J Diabetes</i> . 2024 Sep;16(9):e13524. doi: 10.1111/1753-0407.13524.	IF=4.5	16	Q2 Endocrinology
7	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, <i>Journal of Personalized Medicine</i> , 13(11), 1556; 2023 https://doi.org/10.3390/jpm13111556 .	IF= 3.508	3	Q2 Medicine general
8	Insights into Nutritional Strategies in Psoriasis, Constantin, C.; Surcel, M.; Munteanu, A.; Neagu, M. <i>Nutrients</i> 2023, 15, 3528. https://doi.org/10.3390/nu15163528 .	IF= 5.9	11	Q2 Nutrition
9	Healthy Ageing Reflected in Innate and Adaptive Immune Parameters. Munteanu AN, Surcel M, Isvoranu G, Constantin C, Neagu M. <i>Clin Interv Aging</i> . 2022 Oct 13;17:1513-1526. doi: 10.2147/CIA.S375926.	IF=4.16	5	Q2 Geriatrics
10	Matrix effectors in the pathogenesis of keratinocyte-derived carcinomas, Rafaela-Maria Kavasi, Monica Neagu, Carolina Constantin, Adriana Munteanu, Mihaela Surcel, Aristidis Tsatsakis, George N	IF=4.47	15	Q2 Medicine general

	Tzanakakis and Dragana Nikitovic, Frontiers in Medicine-Dermatology, 9, 2022, DOI 10.3389/fmed.2022.879500.			
11	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	27	Q4 Healthcare
12	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	17	Q3 Pathology
13	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	9	Q2 Medicine General
14	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	48	Q3 Medicine, Research&Experimental
15	Oxidative Stress: A Possible Trigger for Pelvic Organ Prolapse, RD Marcu; DLD Mischianu; L Iorga; CC Diaconu; M Surcel, AN Munteanu, C Constantin, G Isvoranu, OG Bratu, Journal of Immunology Research, volume 2020, Article ID 3791934, 11 pages, 2020 https://doi.org/10.1155/2020/3791934	IF=4.818	22	Q2 Immunology
16	Reinforcing involvement of NK cells in psoriasiform dermatitis animal model, Mihaela Surcel, Adriana Narcisa Munteanu, Radu Ionuț Huică, Gheorghita Isvoranu, Ioana Ruxandra Pîrvu, Carolina Constantin, Ovidiu Bratu, Constantin Căruntu, Isadora Zaharescu, Lucica Sima, Marieta Costache, Monica Neagu, Exp Ther Med, 18(6), 4956-4966, 2019 DOI: 10.3892/etm.2019.7967,	IF=2.44	16	Q3 Medicine, Research&Experimental
17	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, Monica Neagu Exp Ther Med 2019, 18(3):1693-1700. doi: 10.3892/etm.2019.7714	IF=2.44	18	Q4 Medicine, Research&Experimental
18	Natural killer cells monitoring in cutaneous melanoma – new dynamic biomarker, , citations 15. Gheorghita Isvoranu, Mihaela Surcel, Radu-Ionuț Huică, Adriana Narcisa Munteanu, Ioana Ruxandra Pîrvu, Dan Ciotaru, Carolina Constantin, Ovidiu Bratu, Monica Neagu, Cornel Ursaciuc, Oncol Lett, 2019, 17: 4197-4206. DOI: 10.3892/ol.2019.10069.	IF=2.96	15	Q3 Oncology
19	Phenotypic changes of lymphocyte populations in psoriasiform dermatitis animal model, Mihaela Surcel, Radu-Ionuț Huică, Adriana Narcisa Munteanu, Gheorghita Isvoranu, Ioana Ruxandra Pîrvu, Dan Ciotaru, Carolina Constantin, Ovidiu Bratu, Constantin Căruntu, Monica Neagu, Cornel Ursaciuc, Exp Ther Med, 2019, 17: 1030-1038, https://doi.org/10.3892/etm.2018.6978	IF=2.44	22	Q3 Medicine, Research&Experimental
20	The use of ELISA and PCR in identifying correlations between viral infection and benign prostatic hypertrophy. Spinu D., Bratu O., Marcu D., Mischianu D., Huica R., Surcel M., Munteanu Adriana, Socea B., Bodean O., Ursaciuc C., Revista de Chimie, Issue 3, 2018 https://doi.org/10.37358/RC.18.3.6167	IF=0.294	29	Q3 Chemistry

Proceedings and Editorials

1. Insights in genetic and epigenetic traits in cutaneous melanoma - new therapy targets, Monica Neagu; Dobre Elena-Georgiana; Carolina Constantin; Mihaela Surcel; **Adriana Munteanu**; Sabina Zurac, South East European Journal of Immunology, 2025, page 44, DOI: 10.3889/seejim.2025.6106,
2. Adipokines and gut microbiome shape the outcome of cutaneous melanoma: preliminary insights, Carolina Constantin; Elena-Georgiana Dobre; **Adriana Narcisa Munteanu**; Mihaela Surcel; Sabina Andrada Zurac; Monica Neagu, South East European Journal of Immunology, 2025, page 69, DOI: 10.3889/seejim.2025.6132,
3. Toll Like Receptor7/8 agonists antitumor effects on NK cells in murine melanoma model, G Isvoranu, M Surcel, **AN Munteanu**, AM Enciu, M **Chiritoiu-Butnaru**, **G Chiritoiu**, C Munteanu, M Neagu, South East European Journal of Immunology, 2025, <https://doi.org/10.3889/seejim.2025.6135>
4. 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.
5. Omics biomarkers as translational medicine tools in skin malignancies, Constantin, Carolina; Surcel, Mihaela; **Munteanu, Adriana Narcisa**; Caruntu, Ana; Caruntu, Constantin; Zurac, Sabina; Neagu, Monica, European Journal Of Immunology, 51, 48, 2021, **IF= 5.532**
6. Phenotypic characteristics of Natural Killer cells from melanoma-bearing mice, Isvoranu, Gheorghita; Surcel, Mihaela; **Munteanu, Adriana Narcisa**; Pirvu, Ioana Ruxandra; Constantin, Carolina; Manole, Emilia; Butnaru, Marioara Chiritoiu; Neagu, Monica Teodora, European Journal Of Immunology, 51, 339, 2021, **IF= 5.532**
7. Changes in cellular immunological parameters in children with recurrent respiratory infections, **Munteanu, Adriana Narcisa**; Surcel, Mihaela; Isvoranu, Gheorghita A.; Pirvu, Ioana Ruxandra; Constantin, Carolina; Bratu, Ovidiu; Delia, Corina; Cochino, Alexis; Neagu, Monica, European Journal Of Immunology, 51, 170, 2021, **IF= 5.532**
8. Natural Killer Cells in Type 1 Diabetes – Phenotypic Characteristics, Isvoranu G, Manole E, Surcel M, **Munteanu AN**, Neagu MT, Filodiritto Editore – Proceedings, pp 189-194, 202
9. Adoptive transfer of cytokines-preactivated NK cells provides reduction of established tumour, Isvoranu, G.; Surcel, M.; **Munteanu, A. N.**; Constantin, C.; Neagu, M. T. European Journal Of Immunology, 49, 1801, 2019. **IF=5.532**

Books

1. Chapter 11 **Immune markers in psoriasis**. Mihaela Surcel, Constantin C, **Adriana 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