



Europass Curriculum Vitae



Personal information	
First name(s) / Surname(s)	Teodora Monica/Neagu
Work experience	Work employments
Dates	2000 – in present
Occupation or position held	Head of Immunobiology Laboratory
Main activities and responsibilities	Project Coordinator in national and international research projects: bilateral cooperations, COST, NATO SfP. Participation in international Clinical Trials. Main research fields: immunology, immunotherapy, biomarkers, cellular immune parameters associated to various pathologies, photodynamic therapy
Name and address of employer	“Victor Babes” National Institute of Pathology, 99-101 Splaiul Independentei, Bucharest, Romania
Type of business or sector	Research, Laboratory Management
Dates	2012 – in present
Occupation or position held	Team Leader “Assay Development and Alternative testing”
Main activities and responsibilities	Coordinator in national and international projects for multi-disciplinary, multi-laboratory research team
Name and address of employer	“Victor Babes” National Institute of Pathology, 99-101 Splaiul Independentei, Bucharest, Romania
Type of business or sector	Research, Laboratory Management
Dates	2018 – in present
Occupation or position held	Head of Immunology Department
Name and address employer	“Victor Babes” National Institute of Pathology, 99-101 Splaiul Independentei, Bucharest, Romania
Dates	2017 – in present
Occupation or position held	Researcher grade I
Main activities and responsibilities	Coordinator in national and international projects
Name and address employer	Colentina Clinical Hospital
Type of business or sector	Research in Pathology
Dates	1993-2000
Occupation or position held	Researcher
Main activities and responsibilities	Project Coordinator in national research projects. Main research fields: immunology, immunotherapy, biomarkers, cellular immune parameters associated to various pathologies, photodynamic therapy

Name and address employer Type of business or sector	"Victor Babes" National Institute of Pathology, 99-101 Splaiul Independentei, Bucharest, Romania Research
Dates Occupation or position held Main activities and responsibilities Name and address employer Type of business or sector	1987-1993 Researcher, PhD student Participation in research projects. Main research fields: immunomodulation with various bacterial or plant origin agents applied in various human pathologies "Cantacuzino" National Institute of Microbiology and Immunology, 103 Splaiul Independentei, Bucharest, Romania Research
Education and training	
Dates Title of qualification awarded Principal subjects/occupational skills covered Name and type of organisation providing education and training	2017 Research grade scientist I Ministry of Education Order, number 216/20.04.2017
Dates Title of qualification awarded Principal subjects/occupational skills covered Name and type of organisation providing education and training	2014 <i>Habilitated Professor of Immunology</i> Habilitation thesis "Harnessing the immune system - new insights in diagnosis and therapeutical approaches of major diseases" Ministry of Education Order, number 623/6.11.2014, annex 26
Dates Title of qualification awarded Principal subjects/occupational skills covered Name and type of organisation providing education and training Level in national or international classification	1990-1996 Ph.D. Immunological Parameters in chronic Staphylococcal infection Romanian Academy of Science, Ministry of Education Order 5200/4.10.1996 10 out of 10
Dates Title of qualification awarded Principal subjects/occupational skills covered Name and type of organisation providing education and training Level in national or international classification	1984-1985 Master Special Methods of Separation in Biochemistry University of Bucharest, Faculty of Biochemistry 10 out of 10
Dates Title of qualification awarded	1980-1984 B. Sc.

Principal subjects/occupational skills covered	Biochemistry																									
Name and type of organisation providing education and training	University of Bucharest, Faculty of Biochemistry, Ministry of Education and Teaching diploma Seria C, nr. 415/3.08.1984																									
Level in national or international classification	9.93 out of 10																									
Personal skills and competences																										
Mother tongue(s)	Romanian																									
Other language(s)																										
Self-assessment																										
European level (*)																										
English																										
German																										
French																										
	<table border="1"> <thead> <tr> <th colspan="2">Understanding</th> <th colspan="2">Speaking</th> <th>Writing</th> </tr> <tr> <th>Listening</th> <th>Reading</th> <th>Spoken interaction</th> <th>Spoken production</th> <th></th> </tr> </thead> <tbody> <tr> <td>C2</td> <td>C2</td> <td>C2</td> <td>C2</td> <td>C2</td> </tr> <tr> <td>B2</td> <td>B1</td> <td>B1</td> <td>B1</td> <td>A2</td> </tr> <tr> <td>C1</td> <td>B2</td> <td>B1</td> <td>B1</td> <td>A2</td> </tr> </tbody> </table>	Understanding		Speaking		Writing	Listening	Reading	Spoken interaction	Spoken production		C2	C2	C2	C2	C2	B2	B1	B1	B1	A2	C1	B2	B1	B1	A2
Understanding		Speaking		Writing																						
Listening	Reading	Spoken interaction	Spoken production																							
C2	C2	C2	C2	C2																						
B2	B1	B1	B1	A2																						
C1	B2	B1	B1	A2																						
	(*) <i>Common European Framework of Reference for Languages</i>																									
Organisational skills and competences	<p>I am currently managing the Immunology Dept. involved in several national and international research projects and international networks. I am managing the multi-disciplinary team of Assay Development and Alternative testing</p> <p>I am member of the management team for Romania for COST Actions D39, COST TD1002, COST 16120, COST 18125</p> <p>Since 2000 I am member of the Council of the Romanian Society of Immunology and since 2019 I am the President of the Romanian Society of Immunology</p> <p>Since 2003 I am member of the OBBCSSR – licence for clinical biochemistry laboratory. Since 1997 Biochemist specialist and since 2020 Biochemist principal.</p> <p>Since 2010 I am member of the management team for several EU structural projects involving teaching in the domain of High Technologies applicable in Health Care System.</p>																									
Technical skills and competences	<p>Courses and Training stages</p> <ul style="list-style-type: none"> ▪ 1988 – 1989 Fundamental Immunology, Bucharest, Romania ▪ 1992 – Autoimmunity specialization, Sandoz Pharma Ltd., Preclinical Research Laboratories, Basel, Switzerland ▪ 1996 - Advanced Course in Bioelectronics, Mamaia, Romania ▪ 1997 - Advanced Course Membrane Transport Processes and Signal Transduction, Bucharest, Romania ▪ 2001 - Cours de formation post-universtaire dans le domaine des sciences de la vie dans la discipline de Biochimie et Biologie Moleculaire, Bucharest, Romania ▪ 2005 - Modern Biophysical Techniques for Human Health – From Physics to Medicine, Poiana Brasov, Romania ▪ 2007 - Evaluator for International Project Management, Bucharest, Romania 																									

<p>Technical skills and competences</p>	<ul style="list-style-type: none"> ▪ 2007 - Profiling Kinases and Phospho-Sites with Antibody-Based Methods for Disease Biomarker, Amsterdam, Holland ▪ 2007 - Drug Target Discovery and Protein Arrays for Biomarker Discovery and Protein Expression Profiling, Amsterdam, Holland ▪ 2008 - Principles and applications of microfluidics in the life sciences, Barcelona, Spain ▪ 2008 - Microfabrication technologies, Barcelona, Spain ▪ 2008 - ProteinChip SELDI-ToF MS Training Course, Malvern, USA ▪ 2008 – In vivo confocal microscopy training, Mavig, Bucharest, Romania ▪ 2009 - Flow Cytometer FACS CANTO II Training Course, Heidelberg, Germany ▪ 2009 – Cell Culture Seminar – LGC Standards, Bucharest, Romania ▪ 2010- 1st Congress of XCELLigence Users Meeting, 25-26 March, Munchen, Germany ▪ 2010 - 1st EFIS-EJI Intensive Educational Course in Clinical Immunology, Centre de Recherche des Cordeliers, Paris, December 1-4 ▪ 2011- 2st Congress of XCELLigence Users Meeting, 3-4 May, Rome, Italy ▪ 2011 – Course “Characterizing and applying physiologically-based pharmacokinetic models in risk assessment” – WHO, Eurotox, 28 August Paris, France, 2011 ▪ 2013 - Proteomics Course, Summer School, 3-7 August, Brixen, Italy ▪ 2014 – Protein microarray hands-on training, University of Toulouse ▪ 2015 – Course for Adult Teaching – <i>Ministry of Labour, Family and Social Protection</i>, COR code 242401, Certificate J Nr. 00079315/28.07.2015 ▪ 2017 – <i>Technology Transfer</i> Course, CIT-IRECSON, Bucharest ▪ 2017 – <i>Intellectual Property</i> Course, CIT-IRECSON, Bucharest ▪ 2019 – <i>Leadership Workshop</i>, Brussels, Belgium ▪ 2020 – <i>Strategic Management and Investment management</i>, Sinaia, Romania
	<p>Membership:</p> <ul style="list-style-type: none"> ▪ Romanian Society of Immunology – 1988 ▪ Council of the Romanian Society of Immunology - 2000 ▪ Balkan Society of Immunology – 2001 ▪ European Federation of Immunological Societies – 2002 ▪ Federation of the European Biochemistry Society – 2006 ▪ International Society of Porphyrins and Phthalocyanins – 2007 ▪ International Society of Program Management – 2007 ▪ Romanian Division of International Academy of Pathology – 2009 ▪ Founding member of the Romanian Dermato-oncology Society – 2010 ▪ European Network of Nanomedicine - 2010 ▪ Cellular Advanced Therapy Commision – European Medicines Agency – 2010-2013 ▪ European Association of Dermato-oncology – 2016 (EAD000445) ▪ World Academy of Sciences – 2018 ▪ President of the Romanian Immunology Society – 2019 ▪ Ad Astra - 2022
<p>Computer skills and competences</p>	<p>MS Office; Adobe Photoshop</p> <p>Driver's licence</p>

Additional information**Inventor for the following Patents**

Asymmetric substituted tetrapyrrole compound, process of preparation and biological evaluation thereof at cellular level; Co-inventors – **Romania** Boscencu Rica, Socoteanu Petre, Nacea Veronica, Carolina Constantin, Manda Gina, **Neagu Monica**, Ilie Mihaela, Baconi Daniela; **Portugal** Anabela Sousa Oliveira, Luis Felipe Vieira Ferreira; Patent OSIM Nr. 123419/30.03.2012

Tetra-sulphonated porphyrin application for producing a photosensitizer in photodynamic therapy; Co-inventors – Ion Rodica, **Neagu Monica**, Carolina Constantin, Boda Daniel; Patent OSIM Nr. 12582/30.12.2010

Porphyrinic compound asymmetric, non-substituted as photosensitizer for cancer diagnosis and obtaining procedure; Co-inventors – **Romania** Boscencu Rica, Socoteanu Petre, Carolina Constantin, **Neagu Monica**, Manda Gina, Ilie Mihaela, Nacea Veronica, Gird Elena; **Portugal** Anabela Sousa Oliveira, Luis Felipe Vieira Ferreira, Patent OSIM Nr. 126761/30.12.2014

Equipment and procedure for microwave irradiation in in vitro models with concomitant registration of biological behaviour in a fluorescence microscope; Co-inventors – Martin Diana, **Neagu Monica**, Matei Constantin, Carolina Constantin, Iacob Nicusor, Ighigeanu Daniel, Manaila Elena, Craciun Gabriela; Patent OSIM 126764 /30.07.2015

Porphyrinic compound photodynamic therapy of cancer; Co-inventors – **Romania** Socoteanu Petre, Boscencu Rica, Nacea Veronica, Carolina Constantin, Manda Gina, **Neagu Monica**, Ilie Mihaela, **Portugal** Anabela Sousa Oliveira, Luis Felipe Vieira Ferreira; Brevet de inventie, Patent OSIM Nr. 125018/30.04.2015

Proteomic profiling by mass-spectrometry for brain tumors detection, Co-inventors - Popescu Ionela Daniela, Albuлесcu Radu, Tănase Cristiana, Codrici Elena, Albuлесcu Lucian, Mihai Simona, Enciu Ana-Maria, **Neagu Teodora Monica**, Constantinescu Stefan; Patent OSIM Nr. RO130589-A2 /13.03.2014

Tumour cell clone obtained from chemically induced murine carcinogenesis model, Co-inventors - Carolina Constantin, **Monica Neagu**, Bogdan Marinescu, Sabina Zurac. Patent OSIM, Nr. RO131985-A0 /21.09.2016.

Tumour cell clone isolated from a rare cutaneous tumor developed on a blue nevi, Sabina Zurac **Monica Neagu**, Carolina Constantin, Patent OSIM A100365/24.06.2021

Purification method of ROMVAC IgY using high performance liquid chromatography and testing methods of the obtained fractions upon standard cell line CAL-27, Viorica Chiurciu, Alef Ibram, **Monica Neagu**, Mihaela Surcel, Adriana Narcisa Munteanu, Carolina Constantin - 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, Cristiana Tănase, **Monica Neagu**, Elena Codrici, Daniela Popescu, Ana-Maria Enciu, Gheorghita Isvoranu, Mihaela Surcel, Adriana Munteanu, Viorica Chirciu, Alef Ibram, Patent OSIM A00067811.11.2021

Member of the Editorial Board for the journal *Recent Patents in Biomarkers*, Bentham Science Publishers.. **Member of the Editorial Board** for the journal *World Journal of Methodology* Number ID:02445884. **Member of the Editorial Board** for *South East European Journal of Immunology*, **Member of the Editorial Board** for *Trends in Toxicology and Related Sciences*, **Member of the Editorial Advisory Board** for *Current Biomarkers*, **Editor for reviews** for the *Journal of Immunoassay and Immunochemistry*; **Member of the Editorial Board** for the journal *Romanian Archives of Microbiology and Immunology*, **Member of the Editorial Board** for the journal *World Academy of Sciences*, **Member of the Editorial Board** for the journal *Journal of Gastrointestinal and Liver Diseases*, **Member of the Editorial Board** for the Journal *Health Politics*, **Review Editor** for *Bio-interactions and Bio-compatibility - Frontiers in Biomaterials Science*. **Associate Editor** for *Journal of Cellular and Molecular Medicine*.

Co-Editor 2016 for book "Stem cells between regeneration and tumorigenesis" Bentham Science Publishers. Editor(s): **Monica Neagu** and Cristiana Tanase, DOI: 10.2174/97816810833151160101, eISBN: 978-1-68108-331-5, 2016, ISBN: 978-1-68108-332-2

Guest Editor for 2012 Special Issue *Transcriptomics biomarkers for diagnosis, prognosis and therapy monitoring in cancer* *Recent Patents in Biomarkers*, Bentham Science Publishers **Leading Guest Editor 2016** – special issue - *Omics landscape in disease biomarkers discovery* in *Disease Markers*, Hindawi Publishers; **Associate Editor for Reviews** for *Journal of Immunoassay and Immunochemistry*, Taylor & Francis Ed.

Leading Guest Editor 2018 – Special Issue – Inflammation: Part Of The Problem Or Part Of The Solution?, Journal Of Immunology Research, Hindawi Publ. Leading Guest Editor 2020. Capsicum: Traditional Uses, Biactive Compounds And Biological Activities. Molecules, Leading Guest Editor 2020 – Special Issue – Inflammation: Part Of The Problem Or Part Of The Solution?, Part II, Journal Of Immunology Research, Hindawi Publ, Editor Special Issue "Mechanistic Toxicology" In Current Opinion In Toxicology 2021, Editor For Special Issue "Personalized Medicine In The Field Of Inflammatory Skin Disorders" In Journal Of Personalized Medicine 2021, Editor In Journal Nanomaterials For Special Issue "Immune Responses To Nanomaterials For Biomedical Applications 2.0" 2022. Guest Editor 2022 In International Journal of Molecular Sciences, For Special Issue "Microscopy Imaging In Skin Physiological And Pathological Conditions", Journal Of Personalized Medicine, For Special Issue "Skin Cancers: Biomarkers And Potential Therapeutic Targets", For Special Issue "Nanomaterials for the diagnosis and therapy of viral infections in Frontiers in Bioengineering and Biotechnology

Invited speaker and Moderator for several Congresses. Recently at Tumoral Biomarkers Session at European Congress of Biomarkers, Lisbon, Portugal, 2008; Invited speaker at BIT Life Sciences' 2nd Annual Congress and Expo of Molecular Diagnostics - 2009, Beijing, China, 2009; Invited speaker at International Symposium Quantitative Biology&Cytokine Signaling, 2012. Invited Speaker European Association of Dermato-oncology, 2017; Invited Speaker International Symposium Quantitative Biology&Cytokine Signaling, 2017; Invited speaker EnviPharm, Chicago 2018; Invited speaker 7th Symposium on Advances in Cancer Immunology and Immune Therapy, Athens, 2019, EUROTOX, Helsinki 2019, Invited speaker 24th World Congress on Advances in Oncology' & '24th International Symposium on Molecular Medicine, Sparta 2019, International Conference on Aerogels for Biomedical and Environmental Applications, Meeting Committee COST 18125 18-20 February 2020, Santiago de Compostela, Invited speaker and Member of the organizing Committee at Invited speaker 8th Symposium on Advances in Cancer Immunology and Immune Therapy, Athens, 2022.

In Mendeley Data - Data for "Updated science-wide author databases of standardized citation indicators" in 2019 and 2020 ranking 2% world scientists.

Lecturer in Immunology for Romanian Society of Immunology training course since 2002.

Lecturer in 6 EU structural funded projects for PhD, post-doc training in proteomics, immunology, immunotoxicology.

Reviewer for *Dyes and Pigments, Photochemical and Photobiological Sciences, Patents in Biomarkers, Archives of Gerontology and Geriatrics, International Journal of Photoenergy, Romanian Biotechnological Letters, Romanian Archives of Microbiology and Immunology, Current Biomarker Findings, Drug Design, Development and Therapy, Journal of Inflammation Research, Current Tissue Engineering, Biomedical and Environmental Sciences, The International Journal of Biochemistry & Cell Biology, Mediators of Inflammation, Journal of Translational Medicine, Scientific Reports (Nature Publishing Group), Journal of Immunoassay and Immunochemistry, South East European Journal of Immunology, Food and Chemical Toxicology, Oncology Letters, Oncology Reports, International Journal of Oncology, Molecular and Clinical Oncology, Experimental and Therapeutic Medicine, International Journal of Molecular Medicine, Molecular Medicine Reports, Current Organic Chemistry, Melanoma Management, Medicinal Chemistry, Journal of Cellular and Molecular Medicine, Human and Experimental Toxicology, Environmental Toxicology and Pharmacology, Biomedical and Environmental Sciences, Toxicology Reports, Nanoimpact, Frontiers in Pharmacology, Scientific Reports, Journal of Molecular Neuroscience, Frontiers in Immunology, Frontiers in Oncology, Proteomics - Clinical Applications, Immuno-oncology, Frontiers in Bioengineering and Biotechnology, Frontiers in Endocrinology, Journal of Basic and Clinical Physiology and Pharmacology, Journal of Cancer, J Gastrointes Liver Dis, European Journal of Gynaecological Oncology, ACS Omega, Environmental Toxicology and Pharmacology, Expert Review of Molecular Diagnostics, Patty's Toxicology (Fifth Edition), Cancers, Romanian Journal of Internal Medicine, Environmental Research, Human Immunology, Journal of Medicine and Life, Infection and Drug resistance, Academic Letters, PLOS One, Public Health Toxicology, Genetic Research, Journal of the European Academy of Dermatology and Venereology, Infection and Drug resistance, Cytokines*

Evaluator for international projects – FP7, Horizon 2020, EuroNanoMed, FWO, ERA-NET, ERA-NET Lac, HRB, National Science Center, Poland. Round Dutch Research Agenda – Research along Routes by Consortia, Holland, Rosetrees Trust, UK, National Research Foundation of Korea. EU expert evaluator ID EX2006C156206.

Evaluator for EU structural funds projects, Fulbright grants

Evaluator for PhD thesis and member of the guiding committee – University of Natural Resources and Life Sciences, Wien, University of Crete, Greece

Main research fields: immunology, immunotherapy, biomarkers, cellular immune parameters associated to various pathologies, photodynamic therapy, nanomedicine

In the last 20 years participating and conducting over 35 national research projects.

Prizes

Scientific Responsible for the Project entitled “Photochemotherapy innovative methods with nanostructured photosensitizers – from synthesis to clinical trial”. The project received the **First Prize** of the Romanian National Authority for Research on Health Domain in 2008.

International prizes: patents received **Gold medal** at Brussels Innova 2008, **Special Prize** of Rudy Demotte, Minister President of the Walloon Government Brussels Innova 2008, **Gold medal** at The 37th International Exhibition of Inventions of Geneva 2009 and **Special Prize** of the Ministry of Education of Russia, The 37th International Exhibition of Inventions of Geneva 2009; **Gold medal** at The International Fair for Innovation, Moscow, 2009, EYReC **Gold Medal** at EUROINVENT, 2013; Diploma of **Haller Pro Inventio Foundation** at EUROINVENT, 2013.

Paper prizes: CNCISIS 1084/2010, CNCISIS1154/2010, PN-II-RUPRECISI-2012-6- 1365, PN-II-RU-PRECISI-2013-7 2013-4045, PN-II-RU-PRECISI-2013-7 2013-3803, PN-II-RUPRECISI- 2013-7- 2754, PN-II-RU-PRECISI- 2014-8-5956, PN-II-RU- PRECISI- 2015-9-8100, PN-III-P1-1.1-PRECISI-2017-15893, PN-III-P1-1.1-PRECISI-2017-15953, PN-III-P1-1.1-PRECISI-2018-28171, PN-III-P1-1.1-PRECISI-2018-22473 –PN-III-P1-1.1-PRECISI-2018-22518, PN-III-P1-1.1-PRECISI-2018-22862, PN-III-P1-1.1-PRECISI-2018-21195, PN-III-P1-1.1-PRECISI-2018-21233, PN-III-P1-1.1- PRECISI-2019- 31557, PN-III-P1-1.1- PRECISI-2019- 31575, PN-III-P1-1.1- PRECISI-2019- 31728, PN-III-P1-1.1- PRECISI-2019- 32238, PN-III-P1-1.1- PRECISI-2019- 32463, PN-III-P1-1.1- PRECISI-2019- 32883, PN-III-P1-1.1- PRECISI-2019- 32916, PN-III-P1-1.1- PRECISI-2019- 34275, PN-III-P1-1.1-PRECISI-2019-39561, PN-III-P1-1.1-PRECISI-2019-39540, PN-III-P1-1.1-PRECISI-2020-41195, PN-III-P1-1.1-PRECISI-2020-41618, PN-III-P1-1.1-PRECISI-2020-42167, PN-III-P1-1.1-PRECISI-2020-42620, PN-III-P1-1.1-PRECISI-2020-45488, PN-III-P1-1.1-PRECISI-2020-45810, PN-III-P1-1.1-PRECISI-2020-49966, PN-III-P1-1.1-PRECISI-2020-45028, PN-III-P1-1.1-PRECISI-2021-54177, PN-III-P1-1.1-PRECISI-2021-54795, PN-III-P1-1.1-PRECISI-2021-55687, PN-III-P1-1.1-PRECISI-2021-55735, PN-III-P1-1.1-PRECISI-2021-65937, PN-III-P1-1.1-PRECISI-2021-61647, PN-III-P1-1.1-PRECISI-2021-66798, PN-III-P1-1.1-PRECISI-2021-66697, PN-III-P1-1.1-PRECISI-2021-60603, PN-III-P1-1.1-PRECISI-2021-58054, PN-III-P1-1.1-PRECISI-2021-57319, PN-III-P1-1.1-PRECISI-2021-59290.

Researcher unique identifiers:

ORCHID ID 0000-0001-9339-2805

Brainmap ID U-1700-033W-9654

Scopus Author ID: 7006911336

ResearcherID: C-3240-2011

Publons <https://publons.com/researcher/1196802/monica-neagu/>

https://www.researchgate.net/profile/Monica_Neagu

<https://unibuc.academia.edu/MonicaNeagu>

<https://scholar.google.com/citations?user=SiAtIYAAAAJ&hl=en>

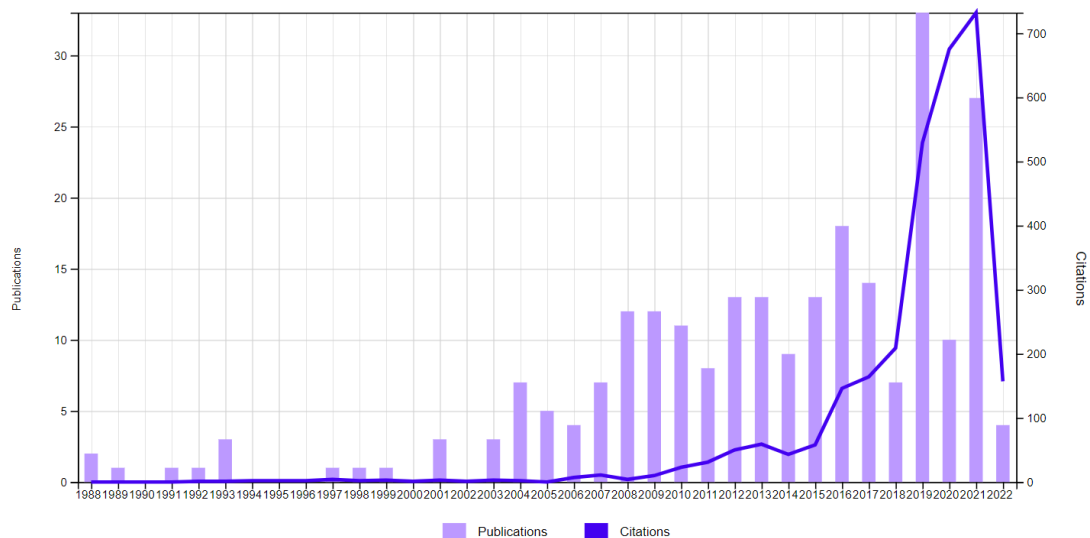
Annexes

List of international projects (continued)

List of EU structural funds projects (continued)

List of national projects (continued)

List of publications (continued) – **Hirsch Index – 37 (Google Scholar), 31 (Scopus), 31 (Clarivate)**



Data retrieved on 6, May, 2022

List of International Projects

Project	Role	Date	Stage
Bilateral Cooperation Romania-Greece 7285/02 "Victor Babes" National Institute – University of Athens Immunomodulating potential of prothymosin alpha and its fragments on lymphocyte functions in vitro. Analysis of the mechanisms of action of the polypeptide and specific peptides spanning its primary structure.	Project Director for the Romanian partner	2003-2004	Ended
LOR/VIR/PO3/002 –Lorus Company, Canada Clinical Trial phase III, double blind, multicenter, randomized study in chemo-naive patients with locally advanced or metastatic pancreatic cancer to compare a combination therapy of Virulizin® plus Gemcitabine versus placebo plus Gemcitabine; optional second-line therapy may include continuation of Virulizin® or placebo, alone or in combination with 5-Fluorouracil	Participant	2003-2005	Ended
COST D39 Chemistry and Molecular Sciences and Technologies Metallo-Drug Design & Action	Member of the Management team for Romania	2006-2008	Ended
NATO SfP 982838/2007 Development of a novel immunoassay for the very early detection of Biothreatening Bacterial Infections	Project Director	2007-2015	Ended
Bilateral Cooperation Romania-China 5111/2011 Biomarker discovery in digestive tract cancer and skin melanoma using proteomic approaches <i>China partner</i> Beijing Institute of Genomics, Chinese Academy of Science	Project Director for the Romanian partner	2011-2012	Ended
FP7-PEOPLE-IRSES-2008 Natural antidiabetic & antihypertensive drugs	Team Member	2008-2013	Ended
MNT-ERA NET 7030-5/2010 Tetrapyrrole nanostructures towards fluorescent molecular markers for biomedicine	Team Member	2010-2013	Ended
COST CA16120 - European Epitranscriptomics Network EPITRAN	Member of the Management team for Romania	2017-2021	On-going
COST CA16113 - 'good biomarker practice' to increase the number of clinically validated biomarkers CLINIMARK	Team Member	2017-2020	Ended
COST CA18125 - Advanced Engineering and Research of aeroGels for Environment and Life Sciences AEROGELS	Member of the Management team for Romania	2019-2023	On-going
COST CA18127 - International Nucleome Consortium INC	Substitute Member of the Management team for Romania	2019-2023	On-going
COST Action: CA17118 - Identifying Biomarkers Through Translational Research for Prevention and Stratification of Colorectal Cancer	Team Member	2018-2022	On-going
Study of the healing and immuno-modulating activity of new in situ gelling formulations, Coordinator Department of Pharmacy of the University of Salerno	Partner Director	2022	On-going

List of EU structural projects

Project	Position/Role	Date	Stage
POSDRU nr. 31081, 1.2 University for future "Dermato-oncology development as multidisciplinary domain for medical training and international cooperation"	Member of the management team Teaching experience for over 300 students	2010-2013	Ended
POSDRU nr. 58819. „Training platform for implementing high technology in the health care system"	Member of the management team Teaching experience for over 150 PhD and post-docs in proteomics	2010-2013	Ended
POS CCE 2.1.2 152 Proteomics Technologies For Cancer Biomarkers Discovery	Member of the management team Quality assurance manager	2010-2013	Ended
POSDRU nr. 59497 "Training for implementing in the Immunology Laboratory of high technology"	Expert Teaching experience for over 300 PhD and post-docs in immunology and immuno-proteomics	2010-2013	Ended
POSDRU 141531/2014 "Developing human resources – PhD and post-doctoral studies – for excellence in health and biotechnological research"	Mentor Teaching experience for 150 PhD and post-docs in immunology and immuno-proteomics	2014-2015	Ended
POSDRU 135760/2014 „CERO – Carrier in Research"	Mentor Teaching experience for 150 PhD and post-docs in immunology and immuno-proteomics	2014-2015	Ended
POC - 52/2016 "Expertise implementation in biomedical research by knowledge transfer to private companies in order to validate products and services in medical biotechnologies and health"	Expert in immunology, immunotoxicology	2016-2021	On-going

List of National Projects

Project	Role	Date
<i>Research Contract Academy of Medical Science</i> Diagnostic and prognostic value of cellular immunity tests. Cantacuzino Institute	Team Leader	1987-1991
<i>Research Contract Academy of Medical Science</i> Immune parameters in chronic staphylococcal infections. Cantacuzino Institute	Project Director	1991-1993
<i>Research Contract Academy of Medical Science</i> Effect of Symphytum officinale extracts and isolated fractions upon cell-mediated immunity in normal subjects and patients with various immunosuppression. Cantacuzino Institute	Team Member	1992-1993
<i>Research Contract Ministry of Research and Technology</i> Correlation between intracellular signaling mechanisms in human polymorphonuclear granulocytes through stimulation of FcR, CR and chemotactic factors.	Team Member	1994 – 1996
<i>Research Contract Ministry of Research and Technology, Programm Orizont 2000</i> Effect of changes in intra- and extracellular ion concentrations upon normal human polymorphonuclear functions	Team Member	1997 – 1999
<i>Grant Ministry of Research and Technology</i> Synovial fluid isolated from patients with rheumatoid arthritis exert various effects on peripheral leukocyte populations normal - potential involvement in the pathogenesis of rheumatoid arthritis	Team Member	1997 – 1998
<i>Contract CNCSU</i> The in vitro effect exerted by antioxidant agents on the functionality of human immune cells, Biology Faculty, Bucharest University	Team Member	1999
<i>Research Contract Ministry of Research and Technology Orizont 2000</i> Peripheral polymorphonuclear cell functional isolated from patients diagnosed with rheumatoid arthritis	Team Member	1999-2001
<i>Grant Romanian Academy</i> Modulation through chemotactic factors oxygen-dependent cytotoxic functions developed by human	Team Member	2001

neutrophils		
<i>Research Contract Ministry of Research and Technology, Programm Orizont 2000</i> Neutrophils and lymphocytes functionalities in myocardial infarction, unstable angina and atheromatous disease	Project Director	2000-2002
<i>Grant Romanian Academy</i> Interrelation tumorigenesis - inflammatory process in experimental murine model	Project Director	2000
<i>Research Contract Viasan 090/2001</i> Immunomodulatory effect of low molecular weight heparins used in the prevention and therapy of cardiovascular diseases	Project Director	2001-2004
<i>Research Contract Viasan 228/2003</i> Experimental model for testing anti-tumor action of porphyrins used in the photodynamic therapy of cancer	Project Director	2003-2005
<i>Research Contract Viasan 341/2004</i> Cellular immune response in aging - evaluation of biochemical and immunological methods by age group	Project Director	2004-2006
<i>Research Contract Viasan 091/2001</i> Dynamics of functional and molecular cellular immune parameters of patients with rheumatoid arthritis treated with inhibitors of purine ribonucleotides (methotrexate) or pyrimidine (leflunomide)	Team Member	2001-2004
<i>Research Contract 229/2003</i> Immunomodulatory signals transmitted by opioid receptors - study performed on peripheral immune cells isolated from patients with rheumatoid arthritis.	Team Member	2003-2005
<i>Research Contract BIOTECH 052/2001</i> Immunomodulatory action of plant extracts from Cucumis melo (Cucurbitaceae)	Team Member	2001-2004
<i>Research Contract Viasan 7/2002</i> Development, validation and application of alternative procedures pharmacological and toxicological testing of products and active substances to use as pharmaceutical, cosmetic and biomedical application	Team Member	2002-2005
<i>Research Contract Viasan 236/2004</i> Creating a system with multiple users for applied research in experimental and clinical immunology	Team Member	2004-2005
<i>Grant CNCSIS</i> Monitoring changes in transmembrane calcium flux under the action of toxic doses of opioids in cellular experimental models	Team Member	2003-2004
<i>Research National Plan Contract PN Viasan 36N / 2003</i> Extraction and characterization of RNA and DNA isolated from liver and digestive tract tumors	Team Member	2004-2005
<i>Contract CALIST 1087/ 2004</i> System for cellular immunology methods and applications in toxicology and pharmacology	Team Member	2004-2006
<i>Research Contract Viasan 401/2004</i> The neuroprotective effect of flavonoids against oxidative stress involved in neurodegenerative diseases	Team Member	2004-2006
<i>Research Contract Viasan 3/2004</i> Studies and experimental research to obtain stem cells for specific immunomodulation	Team Member	2004-2006
<i>Research Contract CEEX 18</i> Innovative methods for photochemotherapy using new nanostructured photosensitizers - from synthesis to clinical trial	Team Leader	2005-2008
<i>Research Contract CEEX 107/2005</i> Anti-aging effects induced by photodynamic therapy with 5-aminolevulinic acid - molecular mechanisms studies	Team Leader	2006-2008
<i>Research Contract CEEX 108/2005</i> Molecular markers involved in the etiopathogenesis, diagnosis and prognosis of chronic venous insufficiency and chronic leg ulcers	Team Leader	2006-2008
<i>Research National Plan Contract PNII 41-083</i> Experimental model of photodynamic therapy with tetrakis-4-sulfonato-phenyl-porphyrin (TSPP) in spinocellular carcinoma	Team Leader	2007-2010
<i>Research National Plan Contract PNII 61-009</i> Staging and immunological monitoring in cutaneous malignant melanoma - innovative methods of diagnosis	Project Director	2007-2010
<i>Research National Plan Contract PNII 11-035</i> Cavitand and coronand type structures - new approach in the nanotechnology for antitumor compounds	Team Member	2007-2010
<i>Research National Plan Contract PNII 41-047</i> In vitro evaluation of heterocyclic drug systems with	Team Member	2007-2010

potential biomedical applications		
<i>Research National Plan Contract PNII 61-018</i> New nucleoside analogue active potential for cancer therapy - from synthesis at the cellular and molecular targets	Team Member	2007-2010
<i>Research National Plan Contract PNII 61-37</i> Development of a bioinformatics system QSAR modeling for evaluating anti-rheumatic activity and antitumor therapeutic agents in individualized therapies	Team Member	2007-2010
<i>Research National Plan Contract PNII 62-074</i> Development of irradiation schemes using optical coherence multiple fractionated radiation (SIFROC) with methyl aminolevulinic photodynamic therapy (MAL-PDT) – study on premalignant and malignant skin diseases non-melanocytic	Team Leader	2008-2011
<i>Research National Plan PCE- ID-PCE-2011-3-0918</i> New photosensitizers compounds in dermato-oncology	Team Member	2011-2016
<i>Research National Plan Contract PN-II-PT-PCCA-2013-4-1386</i> Innovative architectures of controlled drug released systems based on Hesperidin and Related Flavonoids for chronic leg ulcers wounds treatment	Team Member	2014-2017
<i>Research National Plan Contract Proiect Nucleu 09.33 - 01.01</i> Serum Biomarkers for cutaneous melanoma monitorization in Romanian population	Project Director	2009-2016
<i>PN-II-RU-TE-2011-3-0249 - Image-Based Assisted Diagnosis and Prognosis of Cutaneous Melanocytic Tumors</i>	Team member	2011-2014
<i>Research National Plan Contract PN-II-PT-PCCA-2013-4-1407</i> Regression-based theranostic polyfactorial classifier for melanoma patients stratification	Team Leader	2014-2017
<i>Sectorial project 10 Advanced methods for monitoring and increasing resrach performance</i>	Team Member	2017-2018
<i>PN-III-P1-1.2-PCCDI-2017-0341 – Multi-disciplinary platform for increasing institutional capacity in dermato-oncology and dermato-pathology</i>	Team Leader	2018-2021
<i>PN-III-P1-1.2-PCCDI-2017-0782 – Innovative approaches in predictive regenerative medicine</i>	Team Leader	2018-2021
<i>PN-III-P1-1.2-PCCDI-2017-0062 - New methods of diagnosis and treatment: current challenges and technologic solutions based on nanomaterials and biomaterials</i>	Team member	2018-2021
<i>Research National Plan Contract Proiect Nucleu 18.21.01.01</i> Normal values for melanoma biomarkers for improving immuno-score in cutaneous melanoma	Project Director	2018
<i>Research contract UNATC “Oxytocin evaluation in sputum and urine samples”</i>	Coordinator	2018-2019
<i>PN 19.29.01.01/2019</i> Correlative circuits between epigenomic and epitranscriptomic alteration in skin tumorigenesis– identification and filtration for events in m6A/m5C-dependent editing as future molecular therapy targets	Team Member	2019-2021
<i>7PFE/16.10.2018 - Institutional development of Victor Babes National Institute from performance to excellence in health domain</i>	Team Member	2018-2020
<i>31FPE/31.12.2021- Institutional development of Victor Babes National Institute from performance to excellence in health domain</i>	Team Member	2022-2024
<i>PN-III-P4-PCE-2021-0549 - Portrayal of antigen presenting cells in cutaneous melanoma - innovative pillars for harnessing immunotherapy</i>	Project Director	2022-2024

List of Publications

Books and book's chapters:

- 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
- 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**.
- 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](#).
- 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.

5. 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. **IF= 2.62. citations=19**
6. 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.
7. 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.
8. 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.
9. 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.cutaneoumelanoma.2017>. **citations=2**
10. 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. DOI: 10.5772/65979.
11. 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.
12. 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.
13. 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.
14. 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.
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17. 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. **IF= 5.394, citations 29**.
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19. *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.
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21. Chapter *Advances in Pancreatic Cancer Detection*, Cristiana Pistol Tanase, **Monica Neagu**, Radu Albuiescu, Mihail Eugen Hinescu in *Advances in Clinical Chemistry*, 51, Pages 145-180, 2010 ISBN 13: 978-0-12-380981-0 **IF= 5.394, citations 22**.
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23. Dictionary of Biochemistry and Molecular Biology, Elena Moldovan, **Monica Neagu**, Laurentiu M. Popescu, Medical Publishing House, 2001
24. 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.

A1 Research papers

1. 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**
2. Effectiveness of Platelet-Rich Plasma Therapy in Androgenic Alopecia—A Meta-Analysis, Simona Roxana Georgescu, Andreea Amuzescu, Mircea Tampa, Cristina Mitran, Madalina Mitran, Carolina Constantin, **Monica Neagu**, *J. Pers. Med.* 2022, 12, 342. <https://doi.org/10.3390/jpm12030342>. **IF=4.94**.
3. 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**.
4. 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. citations=1**
5. 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=1**
6. 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**
7. 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, citation 1**.
8. 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, citations 3**
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, citation 1**.
10. Gait analysis – experience in peripheral nerve and spinal cord injury animal models, Gheorghita Isvoranu, Emilia Manole and **Monica Neagu**, *Biomedicines* 2021 Aug 19;9(8):1050. doi: 10.3390/biomedicines9081050. **IF=6.08, citations 2**.
11. Comparative effects of capsaicin in chronic obstructive pulmonary disease and asthma (Review), Mihai-Daniel Dumitrache, Ana Stefania Jianu, Cristian Scheau, Ioana Anca Badarau, George Denis Alexandru Popescu, Ana Caruntu, Daniel Octavian Costache, Raluca Simona Costache, Carolina Constantin, **Monica Neagu**, Constantin Caruntu, *Exp Ther Med* 2021, 22(3): 917. DOI: 10.3892/etm.2021.10349. **IF=2.44, citations 2**.
12. 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, citations 8**.
13. 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, citations 5**.
14. 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, citations 7**.
15. 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. citations 1**.
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17. 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 Nikolouzakis, Demetrios A. Spandidos, Aristidis Tsatsakis, *J Cell Mol Med*, 2021, 25 (10): 4523-4533, <https://doi.org/10.1111/jcmm.16462>. **IF=5.31, citations 16**.
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19. The Effects of Capsaicin on Gastrointestinal Cancers, George Denis Alexandru Popescu, Cristian Scheau, Ioana Anca Badarau, Mihai-Daniel Dumitrache, Ana Caruntu, Andreea-Elena Scheau, Daniel Octavian Costache, Raluca Simona Costache, Carolina Constantin, **Monica Neagu**, Constantin Caruntu, *Molecules* 2021, 26, 94. <https://doi.org/10.3390/molecules26010094>. **IF=4.41**,

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20. 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, citations 4.**
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25. 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, *Int J Mol Sci* 2020, 21(6):2114, DOI: [10.3390/ijms21062114](https://doi.org/10.3390/ijms21062114). **IF=5.924, citation 10.**
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27. Rosmarinus plants: key farm concepts toward food application, Sharifi-Rad J, Ezzat SM, El Bishbishy MH, Mnayer D, Sharopov F, Kiliç CS, **Neagu M**, Constantin C, Sharifi-Rad M, Atanassova M, Nicola S, Pignata G, Salehi B, Fokou PVT, Martins N, *Phytother Res*, 2020, 34(7):1474-1518. doi: 10.1002/ptr.6622. **IF=5.88, citations 8.**
28. 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**, *Anal Cell Pathol* 2019, 2019, Article ID 9423907, 10 pages <https://doi.org/10.1155/2019/9423907>. **IF=2.91, highly cited, citations 117.**
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30. 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, *Anal Cell Pathol (Amsterdam)* 2019, 1-17, 2019 Oct 29;2019:3565970. doi: 10.1155/2019/3565970. **IF=2.91, citations 7.**
31. 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, Nikolouzakakis TK, Stivaktakis PD, Kalogeraki A, Liesivuori J, Tzanakakis G, **Neagu M**, *Toxicol Lett*, 2019;316:154-170. doi: 10.1016/j.toxlet.2019.09.004. **IF=4.37, citations 43.**
32. 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, *Arch Toxicol*, 2019, 93(10): 2741–2757, <https://doi.org/10.1007/s00204-019-02547-x>. **IF=5.15, citations 40.**
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