

INFORMAȚII PERSONALE **NEAGU TEODORA-MONICA**


EXPERIENȚA PROFESIONALĂ

2000 – Sef Laborator Imunobiologie

Institutul National de Patologie “Victor Babes”, Splaiul Independentei 99-101, Bucuresti 050096, Romania, www.ivb.ro

- Management de laborator, director de proiecte de cercetare cu finantare nationala si internationala, Management retele internationale COST, participare in studii clinice internationale.

Tipul de activitate imunologie, imunoterapie, biomarkeri, parametrii imuni celulari immune asociati patologiilor neoplazice, autoimune etc; terapie fotodinamica

2014 – Conducator de Doctorat

Facultatea de Biologie, Universitatea Bucuresti, Splaiul Independentei 95-97, Bucuresti, Romania, <http://www.bio.unibuc.ro>

- Coordonare doctorate in Scoala Doctorala, participare la proiecte de cercetare cu finantare nationala si internationala, cursuri de master in limba engleza

Tipul de activitate imunologie, biologie celulara

2012 – Team Leader „Assay Development and Alternative testing”

Institutul National de Patologie “Victor Babes”, Splaiul Independentei 99-101, Bucuresti 050096, Romania, www.ivb.ro

- Coordonare echipa multi-disciplinara in proiecte de cercetare cu finantare nationala si internationala

Tipul de activitate dezvoltare tehnologii proteomice, dezvoltare tehnologii de testare in vitro

1993 – 2000 Cercetator

Institutul National de Patologie “Victor Babes”, Splaiul Independentei 99-101, Bucuresti 050096, Romania, www.ivb.ro

- Director de proiect si participant in proiecte de cercetare cu finantare nationala si internationala

Tipul de activitate imunologie, terapie fotodinamica, nanotehnologie

1987 – 1993 Cercetator

Institutul National de Imunologie si Microbiologie “Ion Cantacuzino”, Splaiul Independentei 103, Bucuresti, Romania, www.cantacuzino.ro

- Participant in proiecte de cercetare cu finantare nationala

Tipul de activitate imunologie, imunomodulare

EDUCAȚIE ȘI FORMARE

2014-	Abilitare in Imunologie Ministerul Educatiei Ordinul nr. 623/6.11.2014, annex 26 Teza de abilitare cu titlul "Harnessing the immune system - new insights in diagnosis and therapeutical approaches of major diseases" ▪ Coordonare teze de doctorat in domeniul imunologiei si biologiei celulare
1990 -1996	Doctorat in Imunologie Academia Romana Teza de doctorat cu titlul "Disfunctii imune mediate celular in infectiile stafilococice cronice"
1984 - 1985	Master Facultatea de Biologie, Sectia Biochimie Teza de masterat cu titlul „Metode speciale de separare in Biochimie”
1980 - 1984	Licenta in Biochimie Facultatea de Biologie, Sectia Biochimie Teza de licenta cu titlul "Izoforme de lactat dehidrogenaza generate de iradierea cu laser in modele experimentale in vitro si in vivo"

COMPETENTE PERSONALE

Limba(i) maternă(e)	Romana / Germana				
Alte limbi străine cunoscute	INTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
Engleza	C2	C2	C2	C2	C2
	Absolvent de liceu cu predare in limba engleza „C.A. Rosetti”				
Germana	B2	B1	B1	B1	A2
Franceza	C1	B2	B1	B1	A2

Competențe de comunicare

Comunicare verbala pe plan national si international dobandite prin: experienta de peste 25 de ani in comunicari stiintifice pe plan national si international, coordonare doctoranzi si post-doctoranzi in cadrul proiectelor de training cu fonduri structurale, lector cursuri de Imunologie in cadrul Societatii de Imunologie din Romania, responsabil relatii internationale, reprezentant al Romaniei la Comisia de Terapii Avansate din cadrul Agentiei Europene a Medicamentului. **Competente de comunicare in scris** dobandite ca membru in colectivele de redactie a revistelor internationale, editor de carte internationala, editor de numere speciale in cadrul revistelor internationale.

Competențe organizaționale/manageriale

Management de laborator de peste 15 ani, membru al echipei de management pentru rețele de cercetare internationale, participant la grupul de lucru International JIAMP, organizator de mese rotunde cu tematica stiintifica atat pentru mediul academic cat si pentru Organizatiile de Pacienti, organizator de Conferinte si cursuri cu tematica imunologie si dermato-oncologie.

Competențe dobândite la locul de muncă

Evaluator proiecte naționale și internaționale – FP7, Horizon 2020, EuroNanoMed, FWO, ERA-NET, ERA-NET Lac, HRB, Fulbright; Evaluator pentru proiecte din Fonduri Europene; Evaluator teze de doctorat, participare comisii de doctorat la Facultatea de Biologie, Universitatea de Medicină și Farmacie București, Iași, Facultatea de Chimie București.
Co-inventator a 6 brevete de invenție (vezi informații suplimentare)

Competență digitală

AUTOEVALUARE

Procesarea informației	Comunicare	Creare de conținut	Securitate	Rezolvarea de probleme
Utilizator experimentat	Utilizator experimentat	Utilizator independent	Utilizator independent	Utilizator independent

Alte competențe informatice: software pentru prezentări, software prelucrare date multiple, software dedicat echipamentelor de proteomica, biologie celulară etc.

Alte competențe

Formator adulți 2015 – Ministerul Muncii, Familiei și Protecției Sociale, COR code 242401, Certificat J Nr. 00079315/28.07.2015

INFORMAȚII SUPLIMENTARE

Brevete de invenții

RO: Compus tetrapirolic nesimetric substituit, procedeu de obținere și evaluare biologică la nivel celular; Inventatori – România Boscencu Rica, Socoteanu Petre, Nacea Veronica, Carolina Constantin, Manda Gina, Neagu Monica, Ilie Mihaela, Baconi Daniela; Portugalia Anabela Sousa Oliveira, Luis Felipe Vieira Ferreira; Brevet de invenție OSIM Nr. 123419/30.03.2012

RO: Utilizarea porfirinei tetrasulfonate în fabricarea unui agent fotosensibilizator, pentru terapia fotodinamică; Inventatori – Ion Rodica, Neagu Monica, Carolina Constantin, Boda Daniel; Brevet de invenție, OSIM Nr. 12582/30.12.2010

RO: Compus porfirinic nesimetric substituit, ca agent de fotosensibilizare, utilizat în diagnosticul cancerului, și procedeu de preparare a acestuia; Inventatori – **România** Boscencu Rica, Socoteanu Petre, Carolina Constantin, Neagu Monica, Manda Gina, Ilie Mihaela, Nacea Veronica, Gird Elena; **Portugalia** Anabela Sousa Oliveira, Luis Felipe Vieira Ferreira; Brevet de invenție, OSIM Nr. 126761/30.12.2014

RO: Instalatie și procedeu de iradiere cu microunde a unui material biologic simultan cu investigarea acestuia sub microscop inversat cu modul de fluorescent; Inventatori – Martin Diana, Neagu Monica, Matei Constantin, Carolina Constantin, Iacob Nicusor, Ighigeanu Daniel, Manaila Elena, Craciun Gabriela; Brevet de invenție, OSIM 126764 /30.07.2015

RO: Compus porfirinic destinat terapiei fotodinamice a cancerului; Inventatori – **România** Socoteanu Petre, Boscencu Rica, Nacea Veronica, Carolina Constantin, Manda Gina, Neagu Monica, Ilie Mihaela, **Portugalia** Anabela Sousa Oliveira, Luis Felipe Vieira Ferreira; Brevet de invenție, OSIM Nr. 125018/30.04.2015

RO: Profilul proteomic realizat prin spectrometrie de masă pentru detectarea tumorilor cerebrale; Inventatori - Popescu Ionela Daniela, Albulescu Radu, Tănase Cristiana, Codrici Elena, Albulescu Lucian, Mihai Simona, Enciu Ana-Maria, Neagu Teodora Monica, Constantinescu Stefan; Cerere brevet de invenție OSIM Nr. A/00201/13.03.2014

Distincții

Premii naționale

- 2008 - Premiul I al Autorității Naționale pentru Cercetare Dezvoltare în Domeniul Sănătate pentru proiectul "Photochemotherapy innovative methods with nanostructured photosensitizers – from synthesis to clinical trial".
- Articol premiat - PN-II-RU-PRECISI-2013-7 2013-4045
- Articol premiat - PN-II-RU-PRECISI-2013-7 2013-3803

Premii internaționale

Brevetul OSIM Nr. 12582/30.12.2010 a primit următoarele premii: **Medalia de Aur** la Brussels Innova 2008; **Premiul Special** Rudy Demotte, Ministru President al Guvernului Valoon, Brussels Innova 2008; **Medalia de Aur** la The 37th International Exhibition of Inventions of Geneva 2009; **Premiul Special** al Ministerului Educației din Rusia, The 37th International Exhibition of Inventions of Geneva 2009; **Medalia de Aur** la The International Fair for Innovation, Moscow, 2009, **Medalia de Aur** EYReC la EUROINVENT, 2013; Diploma **Haller Pro Inventio Foundation** la EUROINVENT, 2013; **Medalia de Aur** la EUROINVENT, 2013

Afilieri

1988 – Societatea Română de Imunologie (2000 membru în Consiliul de conducere)
2001 – Societatea Balcanică de Imunologie
2002 – Federația Europeană a Societăților de Imunologie
2006 - Federația Europeană a Societăților de Biochimie
2007 – Societatea Internațională – Porfirine și Ftalocianine
2007 – Societatea Internațională a Managementului de Program
2009 – Divizia Română a Academiei Internaționale de Patologie
2010 – Membru Fondator al Societății Române de Dermato-oncologie
2010-2013 – Reprezentant al României în **Cellular Advanced Therapy** Commission
– **European Medicines Agency**

Cursuri

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-universitaire dans le domaine des sciences de la vie dans la discipline de Biochimie et Biologie Moléculaire, Bucharest, Romania
2005 - Modern Biophysical Techniques for Human Health – From Physics to Medicine, Poiana Brașov, Romania
2007-Evaluator for International Project Management, Bucharest, Romania
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, Tyrol, Italy
2014 – Protein microarray hands-on training, University of Toulouse
2015 – Course for Adult Teaching – Ministry of Labour, Family and Social Protection, COR code 242401, Certificate J Nr. 00079315/28.07.2015

Referințe

Prof.Dr.Dr.h.c.mult. **Wolfgang Voelter**, Interfakultäres Institut für Biochemie, Universität Tübingen, Hoppe-Seyler-Str. 4 / 72076 Tübingen, Tel.: 07071/2973041 - Fax: 07071/650016 e-mail: wolfgang.voelter@uni-tuebingen.de

Professor Dr. **Aristidis Michael Tsatsakis** MSc, PhD, DSc, ERT EUROTOX PRESIDENT, Editor Food Chemical Toxicology, Director Toxicology & Forensic Sciences Depart., Faculty of Medicine, President Hellenic Society of Toxicology, Tel +30 28103946870 Fax +30 2810542098 Mob +30 694 89 88 768, e-mail: tsatsaka@uoc.gr

Professor Dr. **Jean-Charles Guéry**, Directeur de Recherche INSERM U1043, Université Toulouse III, CHU Purpan BP 3028, 31024 Toulouse CEDEX 03, Tél. : 05 62 74 45 45, Fax: 05 62 74 45 58 France; e-mail: jean-charles.guery@inserm.fr

Professor Dr. **Gunna Christiansen**, Institut for Biomedicin, Aarhus Universitet Vennelyst Boulevard 4, bygn. 1265, DK-8000 Aarhus C, Tlf: 8715 0000/+45 22822197, Denmark, e-mail: gunna@loke.dk

ANEXE

Proiecte
Publicatii
Conferințe

19.08.2016

Monica Neagu

Proiecte

Proiecte internationale

Proiect	Rol	Date
Bilateral Cooperation Romania-Greece 7285/02, colaborare cu Universitatea din Atena "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"	Director de proiect	2003-2004
LOR/VIR/PO3/002 –Lorus Company, Canada "Clinical Trial phase III, double blind, multicenter, randomized study in chemo-naïve 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"	Membru al echipei	2003-2005
COST D39 "Chemistry and Molecular Sciences and Technologies Metallo-Drug Design & Action"	Membru al Echipei de Management pentru Romania	2006-2008
NATO SfP 982838/2007 "Development of a novel immunoassay for the very early detection of Biothreatening Bacterial Infections"	Director de proiect	2007-2015
FP7-PEOPLE-IRSES-2008 "Natural antidiabetic & antihypertensive drugs"	Membru al echipei	2008-2013
MNT-ERA NET 7030-5/2010 "Tetrapyrrole nanostructures towards fluorescent molecular markers for biomedicine"	Membru al echipei	2010-2013
Bilateral Cooperation Romania-China 511/2011 colaborare cu Beijing Institute of Genomics, Chinese Academy of Science "Biomarker discovery in digestive tract cancer and skin melanoma using proteomic approaches"	Director de proiect	2011-2012

Proiecte finantate din Fonduri structurale

Proiect	Rol	Date
POSDRU nr. 31081, 1.2 University for future "Dermato-oncology development as multidisciplinary domain for medical training and international cooperation"	Responsabil din partea Institutului "Victor Babes", Membru al echipei de management	2010-2013
POSDRU nr. 58819. „Training platform for implementing high technology in the health care system”	Membru al echipei de management, Coordonator Proteomica	2010-2013
POS CCE 2.1.2 152 Proteomics Technologies For Cancer Biomarkers Discovery	Membru al echipei de management Responsabil Asigurarea Calitatii	2010-2013
POSDRU nr. 59497 "Training for implementing in the Immunology Laboratory of high technology"	Expert	2010-2013
POSDRU 141531/2014 "Developing human resources – PhD and post-doctoral studies – for excellence in health and biotechnological research"	Mentor	2014-2015
POSDRU 135760/2014 „CERO – Carrier in Research”	Mentor	2014-2015

Proiecte nationale

Proiect	Rol	Date
<i>Research Contract Academy of Medical Science</i> "Diagnostic and prognostic value of cellular immunity tests"	Director de proiect	1987-1991
<i>Research Contract Academy of Medical Science</i> "Immune parameters in chronic staphylococcal infections"	Director de proiect	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"	Membru in echipa	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"	Membru in echipa	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"	Membru in echipa	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	Membru in echipa	1997 – 1998
<i>Contract CNCSU</i> "The in vitro effect exerted by antioxidant agents on the functionality of human immune cells"	Membru in echipa	1999
<i>Research Contract Ministry of Research and Technology Orizont 2000</i> "Peripheral polymorphonuclear cell functional isolated from patients diagnosed with rheumatoid arthritis"	Membru in echipa	1999-2001
<i>Grant Romanian Academy</i> "Modulation through chemotactic factors oxygen-dependent cytotoxic functions developed by human neutrophils"	Membru in echipa	2001
<i>Research Contract Ministry of Research and Technology, Programm Orizont 2000</i> "Neutrophils and lymphocytes functionalities in myocardial infarction, unstable angina and atheromatous disease"	Membru in echipa	2000-2002
<i>Grant Romanian Academy</i> "Interrelation tumorigenesis - inflammatory process in experimental murine model"	Membru in echipa	2000
<i>Research Contract Viasan 090/2001</i> "Immunomodulatory effect of low molecular weight heparins used in the prevention and therapy of cardiovascular diseases	Director de proiect	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"	Director de proiect	2003-2005
<i>Research Contract Viasan 341/2004</i> "Cellular immune response in aging - evaluation of biochemical and immunological methods by age group"	Director de proiect	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)	Membru in echipa	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"	Membru in echipa	2003-2005
<i>Research Contract BIOTECH 052/2001</i> "Immunomodulatory action of plant	Membru	2001-

extracts from Cucumis melo (Cucurbitaceae)"	in echipa	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"	Membru in echipa	2002-2005
<i>Research Contract Viasan 236/2004</i> "Creating a system with multiple users for applied research in experimental and clinical immunology"	Membru in echipa	2004-2005
<i>Grant CNCSIS</i> "Monitoring changes in transmembrane calcium flux under the action of toxic doses of opioids in cellular experimental models"	Membru in echipa	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"	Membru in echipa	2004-2005
<i>Contract CALIST 1087/ 2004</i> "System for cellular immunology methods and applications in toxicology and pharmacology"	Membru in echipa	2004-2006
<i>Research Contract Viasan 401/2004</i> "The neuroprotective effect of flavonoids against oxidative stress involved in neurodegenerative diseases"	Membru in echipa	2004-2006
<i>Research Contract Viasan 3/2004</i> "Studies and experimental research to obtain stem cells for specific immunomodulation"	Membru in echipa	2004-2006
<i>Research Contract CEEX 18</i> "Innovative methods for photochemotherapy using new nanostructured photosensitizers - from synthesis to clinical trial"	Director de proiect	2005-2008
<i>Research Contract CEEX 107/2005</i> "Anti-aging effects induced by photodynamic therapy with 5-aminolevulinic acid - molecular mechanisms studies"	Director de proiect	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"	Director de proiect	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"	Director de proiect	2007-2010
<i>Research National Plan Contract PNII 61-009</i> "Staging and immunological monitoring in cutaneous malignant melanoma - innovative methods of diagnosis"	Director de proiect	2007-2010
<i>Research National Plan Contract PNII 11-035</i> "Cavitand and coronand type structures - new approach in the nanotechnology for antitumor compounds"	Membru in echipa	2007-2010
<i>Research National Plan Contract PNII 41-047</i> "In vitro evaluation of heterocyclic	Membru	2007-

drug systems with potential biomedical applications"	in echipa	2010
<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"	Membru in echipa	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"	Membru in echipa	2007-2010
<i>Research National Plan Contract PNII 62-074</i> "Development of irradiation schemes using optical coherence multiple fractionated radiation (SIFROC) with methyl aminolevulinate photodynamic therapy (MAL-PDT) – study on premalignant and malignant skin diseases non-melanocytic"	Director de proiect	2008-2011
<i>Research National Plan PCE-ID-PCE-2011-3-0918</i> "New photosensitizers compounds in dermato-oncology"	Membru in echipa	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"	Membru in echipa	2014-2017
<i>Research National Plan Contract Proiect Nucleu 09.33 - 01.01</i> "Serum Biomarkers for cutaneous melanoma monitorization in Romanian population"	Director de proiect	2009-2015
<i>Research National Plan Contract PN-II-PT-PCCA-2013-4-1407</i> "Regression - based theranostic polyfactorial classifier for melanoma patients stratification"	Director de proiect	2014-2017

Publicatii

Carti si capitole de carti:

- 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.
- Dictionary of Biochemistry and Molecular Biology, Elena Moldovan, **Monica Neagu**, Laurentiu M. Popescu, Medical Publishing House, 2001
- 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
- Chapter *Advances in Pancreatic Cancer Detection*, Cristiana Pistol Tanase, **Monica Neagu**, Radu Albulescu, Mihail Eugen Hinescu in *Advances in Clinical Chemistry*, 51, Pages 145-180, 2010 ISBN 13: 978-0-12-380981-0
- 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
- *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 Mustăță, **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
- 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
- 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
- Fundamental Immunology Compendium, Ursaciuc C, **Neagu M**, Manda G, Romanian Medical Life Ed, 2012, ISBN 978-973-160-057-4
- Immunogenomics, Immunotranscriptomics compendium, Ursaciuc C, **Neagu M**, Constantin C, Dobre M, Huica R, Romanian Medical Life Ed, 2013, ISBN 978-973-160-080-2

- 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
- 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.
- 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, 2016, Provisional number **27-8-2013-Ebk1//EOI-205**.

Publicatii

1. The Role of Estrogens and Estrogen Receptors in Melanoma Development and Progression, Caruntu C, Mirica A, Rosca AE, Mirica R, Caruntu A, Tampa M, Matei C, Constantin C, **Neagu M**, Badarau AI, Badiu C, Moraru L, *Acta Endo* (Buc) 2016, 12 (2): 234-241, doi: 10.4183/aeb.2016.234.
2. HPV strain distribution in patients with genital warts in a female population sample Daniel Boda, **Monica Neagu**, Carolina Constantin, Razvan Nicolae Voinescu, Constantin Caruntu, Sabina Zurac, Demetrios A. Spandidos, Nikolaos Drakoulis, Dimitrios Tsoukalas and Aristides M. Tsatsakis, *Oncology Lett* 2016, DOI: 10.3892/ol.2016.4903
3. Protein bio-corona - critical issue in immune-nano-toxicology, **Monica Neagu**, Zoi Piperigkou, Konstantina Karamanou, Ayse Basak Engin, Anca Oana Docea, Carolina Constantin, Carolina Negrei, Aristidis Tsatsakis, *Arch Toxicol.* 2016 Jul 20. [Epub ahead of print] Review.
4. Cellular impedance measurement – novel method for *in vitro* investigation of drug efficacy, Mircea Tampa, Clara Matei, Constantin Caruntu, Teodor Poteca, Dana Mihaila, Catalin Paunescu, Gabriel Pitigoi, Simona-Roxana Georgescu, Carolina Constantin, **Monica Neagu**, *Farmacologia*, 64(3), 430-434, 2016.
5. Chemically induced skin carcinogenesis– up-dates in experimental models, **M. Neagu**, C. Caruntu, C. Constantin, D. Boda, S. Zurac, D.A. Spandidos, AM Tsatsakis, *Oncology Reports*, 2016 Mar 17. doi: 10.3892/or.2016.4683
6. Reflectance confocal microscopy and dermoscopy for in vivo, noninvasive skin imaging of superficial basal cell carcinoma, Mihaela A Ghita, Constantin Caruntu, Adrian E Rosca, Harillaq Kaleshi, Ana Caruntu, Liliana Moraru, Sabina Zurac, Daniel Boda, **Monica Neagu**, Demetrios A. Spandidos, Aristidis M. Tsatsakis, *Oncology Lett*, March 18, 2016 DOI: 10.3892/ol.2016.4354.
7. Variations in the expression of TIMP1, TIMP2 and TIMP3 in cutaneous melanoma with regression and their possible function as prognostic predictors, Sabina Zurac, **Monica**

- Meagu**, Carolina Constantin, Mirela Cioplea, Roxana Nedelcu, Alexandra Bastian, Cristiana Popp, Luciana Nichita, Razvan Andrei, Tiberiu Tebeica, Cristiana Tanase, Virginia Chitu, Constantin Caruntu, Mihaela Ghita, Catalin Popescu, Daniel Boda, Bogdan Mastalier, Nicoleta Maru, Claudiu Daha, Bogdan Andreescu, Ioan Marinescu, Adrian Rebosapca, Florica Staniceanu, Gabriela Negroiu, Daniela A. Ion, Dragana Nikitovic, George N. Tzanakakis, Demetrios A. Spandidos and Aristidis M. Tsatsakis, *Oncology Lett*, 11: 3354-3360, 2016.
8. Immune based therapy for melanoma, Robert Ancuceanu, **Monica Neagu**, *Indian Journal of Medical Research*, Volume 143 Number 2, 135-144, 2016.
 9. Proteomic Approaches for Biomarker Panels in Cancer. Tanase C, Albulescu R, **Neagu M.** *J Immunoassay Immunochem*. Volume 37, Issue 1, 1-15, 2016
 10. Interleukin 8 - Major Player in Cutaneous Melanoma Metastasis Process, Amalia-Elena Anghel, Corina-Daniela Ene, Ilinca Nicolae, Vlad Andrei Budu, Carolina Constantin, **Monica Neagu**, *Roum Biotechnological Letters*, Vol. 20, No. 6, 10911- 10920, 2015.
 11. Nanoparticles and Endothelium: An Update on the Toxicological Interactions, Ayse Basak Engin, **Monica Neagu**, Kirill Golokhvast, Aristidis Tsatsakis, *Farmacia*, vol 63 (6): 792-804, 2015.
 12. 25-OH Vitamin D and Interleukin-8 Emerging Biomarkers in Cutaneous Melanoma Development and Progression, Corina-Daniela Ene, Amalia-Elena Anghel, **Monica Neagu** and Ilinca Nicolae, *Mediators of Inflammation*, pages 1-8, Article ID 904876, 2015.
 13. The relationship between interleukin 8 and Ki67 in cutaneous malignant melanoma, Amalia-Elena Anghel, Corina-Daniela Ene, **Monica Neagu**, Ilinca Nicolae, *HVM Bioflux*, Volume 7, Issue 3, 149-154, 2015.
 14. Circulatory matrix metalloproteinases as tissue destruction indicators for improving clinical management of pressure ulcers patients, Georgeta Paunica-Panea, Carolina Constantin, Georgiana Gabreanu, Vlad Denis Constantin, Ovidiu Ionuț Geicu, Florian Popa, **Monica Neagu** *HVM Bioflux*, Volume 7, Issue 4, 363-369, 2015
 15. Interleukin 8 and diabetic nephropathy, Corina D. Ene, Amalia E. Anghel, **Monica Neagu**, Ilinca Nicolae, *HVM Bioflux*, Volume 7, Issue 4, 370-374, 2015.
 16. Monitoring diabetic nephropathy by circulating gangliosides, Corina Daniela Ene, Mircea Penescu, Amalia Anghel, **Monica Neagu**, Vlad Budu, Ilinca Nicolae, *J Immunoassay Immunochem*. 2015 Sep 11. [Epub ahead of print]
 17. Biotechnology Landscape in Cancer Drug Discovery, **Monica Neagu**, Radu Albulescu, Cristiana Tanase, *Future Science Open*, 2015 Pages 1-4.
 18. Chemokines in the Melanoma Metastasis Biomarkers Portrait. **Neagu M**, Constantin C, Longo C. *J Immunoassay Immunochem*. 2015;36(6):559-66.
 19. Inflammation markers in cutaneous melanoma - edgy biomarkers for prognosis, **Monica Neagu**, Carolina Constantin, Georgiana Roxana Dumitrascu, Andreea Roxana Lupu, Costin

- Caruntu, Daniel Boda, Sabina Zurac, *Discoveries*, 2015, Jan-Mar, 3(1): e38114
20. Fluorescent Porphyrin with an Increased Uptake in Peripheral Blood Cell Subpopulations from Colon Cancer Patients. Constantin C, **Neagu M.** *Med Chem.* 2015;11(4):354-63
 21. Proteomics focusing on immune markers in psoriatic arthritis, Constantin Caruntu, Daniel Boda, Georgiana Dumitrascu, Carolina Constantin, **Monica Neagu**, *Biomark Med.* 2015;9(6):513-28
 22. Catecholamines increase in vitro proliferation of murine B16F10 melanoma cellsC Caruntu, D Boda, C Constantin, A Caruntu, **M Neagu**, *Acta Endocrinologica* (Buc) 2014, 10(4), 545-558
 23. Biotechnological Advances for Diagnosis of Peripheral Diabetic Neuropathy, Constantin Caruntu, Carolina Negrei, Daniel Boda, Carolina Constantin, Ana Caruntu, **Monica Neagu**, *Roum Biotechnological Letters* - Vol. 19, No.6, 9846- 9858, 2014.
 24. Wound Repair - Up-Dates in Dressing Patents and Regeneration Biomarkers, Carolina Constantin, Georgeta Paunica-Panea, Vlad D. Constantin and **Monica Neagu**, *Recent Patents on Biomarkers*, 2014, 4(3): 133-149.
 25. Circulating biomarker panels for targeted therapy in brain tumors.Tanase C, Albulescu R, Codrici E, Popescu ID, Mihai S, Enciu AM, Cruceru ML, Popa AC, Neagu AI, Necula LG, Mambet C, **Neagu M.***Future Oncol.* 2014 Sep 22:1-14.
 26. Protein microarray for complex apoptosis monitoring of dysplastic oral keratinocytes in experimental photodynamic therapy, Clara Matei, Mircea Tampa, Constantin Caruntu, Rodica-Mariana Ion, Simona-Roxana Georgescu, Georgiana Roxana Dumitrascu, Carolina Constantin and **Monica Neagu**, *Biol Res*, 2014, 47(1): 33-41
 27. Highlights in Melanoma Biomarkers, **Neagu M**, Constantin C, *Biomark Med.* 8(5), 617-619, 2014.
 28. Signal transduction molecule patterns indicating potential glioblastoma therapy approaches Cruceru ML, Enciu AM, Popa AC, Albulescu R, **Neagu M**, Tanase CP, Constantinescu SN, *Onco Targets Ther.* 2013 Nov 29;6:1737-49.
 29. Increased number of fractionated irradiation sessions does not improve the cellular response to methyl aminolevulinate-mediated photodynamic Therapy, Calin Mihaela Antonina, Calin Marian Romeo, Petrescu Emil, **Neagu Monica**, *Photodiagnosis and Photodynamic Therapy* (2013) 10, 526—534.
 30. Whole body microwave irradiation for improved dacarbazine therapeutical action in cutaneous melanoma mouse model, **Monica Neagu**, Carolina Constantin, Diana Martin, Lucian Albulescu, Nicusor Iacob, Daniel Ighigeanu, *Radiology Research and Practice, Radiology Research and Practice*, vol. 2013, Article ID 414816, 10 pages, 2013. doi:10.1155/2013/414816
 31. Immune parameters in prognosis and therapy monitoring of cutaneous melanoma patients - experience, role and limitations, **Monica Neagu**, Carolina Constantin, Sabina Zurac, *BioMed Research International*, special issue *Molecular Biomarkers: Tools of Medicine* (MBTM) Volume 2013, 15 November 2013 Article ID 107940.
 32. Immunomics in skin cancer - improvement in diagnosis, prognosis and therapy monitoring, Amanda Bulman, **Monica Neagu**, Carolina Constantin, *Current Proteomics*, Volume 10, Number

3, 202 – 217, 2013.

33. Therapy Targets in Glioblastoma and Cancer Stem Cells: Lessons from Hematopoietic Neoplasms, Maria Linda Cruceru, **Monica Neagu**, Jean-Baptiste Demoulin, and Stefan N. Constantinescu, *Journal of Cellular and Molecular Medicine*, vol 17, issue 8, 2013, doi: 10.1111/jcmm.1212295.
34. Zinc Trisulphonated Phthalocyanine Used in Photodynamic Therapy of Dysplastic Oral Keratinocytes, Mircea Tampa, Clara Matei, Sanda Popescu, Simona-Roxana Georgescu, **Monica Neagu**, Carolina Constantin, Rodica-Mariana Ion, *Rev. Chim.* (Bucharest), 64(6), 639-645, 2013.
35. The role of porphyrin precursor-based photodynamic therapy in dermatology Matei C, Tampa M, Georgescu S-R, Sarbu I, Ion R-M, Constantin C, **Neagu M**, *Medicine in evolution*, XIX (1): 38-44, 2013, ISSN 2065-376X
36. Highlights: Highlights from the latest articles in biomarkers in medicine. **Neagu M**, Albulescu R, Tanase C. *Research Biomark Med.* 7(2):201-204, 2013.
37. The C-terminal decapeptide of prothymosin α is responsible for its stimulatory effect on the functions of human neutrophils in vitro. Samara P, Ioannou K, **Neagu M**, Arnogiannaki N, Ardavanis A, Voelter W, Tsitsilonis O. *Int Immunopharmacol.* 2013 Jan;15(1):50-7. Epub 2012 Nov 29.
38. 5-aminolevulinic acid photodynamic therapy in the treatment of cutaneous squamous cell carcinoma in situ (Bowen's disease), Tampa M, Matei C, Georgescu S-R, Benea V, Sarbu I, Ion R-M, Constantin C, **Neagu M**, Popescu S, *Medicine in evolution*, XIX (1): 45-50, 2013, ISSN 2065-376X
39. The Effects of Photodynamic Therapy in Biological Systems, M. Tampa, Clara Matei, **Monica Neagu**, Simona-Roxana Georgescu, *Acta Medica Transilvanica* December 2012;2(4):313-315
40. Spectrum of morphologic alterations of regression in cutaneous melanoma--potential for improving disease prognosis, Zurac S, Negroiu G, Petrescu S, Andrei R, Tebeica T, Popp C, Mușată R, **Neagu M**, Constantin C, Solovan C, Chițu V, Reboșapcă A, Andreescu B, Marinescu I, Stăniceanu F. *Rom J Intern Med.* 2012 Apr-Jun;50(2):145-53
41. Matrix metalloproteinases underexpression in melanoma with regression S. Zurac, G. Negroiu, S. Petrescu, I. Tudose, R. Andrei, T. Tebeica, C. Popp, C. Solovan, **M. Neagu**, C. Constantin, F. Staniceanu, *Virchows Arch* (2012) 461 (Suppl 1):S1–S332
42. C-terminal peptide of prothymosine alpha detected by SELDI-ToF-MS affinity capture technology, **M. Neagu**, C. Constantin, D. Popescu, A. D. Iancu, D. L. Radu, H. Kalbacher, O. Tsitsiloni & W. Voelter, *Immunology*, 2012 vol 137, issue suppl s1, page 655
43. Photodynamic Properties of Aluminium Sulphonated Phthalocyanines in Human Displazic Oral Keratinocytes Experimental Model C. Matei, M. Tampa, R.M. Ion, **M. Neagu**, C. Constantin, *Digest Journal of Nanomaterials and Biostructures* Vol. 7, No. 4, October -December 2012, p. 1535-1547
44. Synthesis, photophysical and cytotoxicity evaluation of A3B type mesoporphyrinic compounds, Luís F. Vieira Ferreira, Diana P. Ferreira, Anabela S. Oliveira, Rica Boscencu, Radu Socoteanu, Mihaela Ilie, Carolina Constantin, **Monica Neagu**, *Dyes and Pigments*, Volume 95, Issue 2, Pages

296-303 (November 2012).

45. Transcriptomics in Cancer - Stages Toward Patents in Biomarkers? **Monica Neagu** and Daniel Boda, *Recent Patents on Biomarkers*, Volume 2, Number 2, May 2012, Pp.75-82
46. Research Highlights, **Neagu M**, Radu Albulescu, Cristiana Tanase, *Biomarkers In Medicine*, Vol. 6(2), 197-200, 2012
47. Biomedical Materials Based on Fullerenes, Radu Claudiu Fierascu, Irina Dumitriu, Rodica Mariana Ion, Raluca Ioana Bunghez, **Monica Neagu**, Carolina Constantin, Crina Stavaru, *Scientific Study & Research Chemistry & Chemical Engineering, Biotechnology, Food Industry*, 2011, 12 (2), pp. 147 – 154
48. Application of 3D hydrogel microarrays in molecular diagnostics: advantages and limitations. Tanase CP, Albulescu R, **Neagu M**. *Expert Rev Mol Diagn*. 2011 Jun;11(5):461-4. doi: 10.1586/ERM.11.30.
49. Imaging Studies of Tetra-Sulphonated Porphyrin in K562 Human Chronic Myeloid Leukemia Cells During Photodynamic Therapy, Simona-Florentina Pop, **Monica Neagu**, Carolina Constantin, Rodica- Mariana Ion, *Journal of International Scientific Publications: Materials, Methods & Technology*, 2011/6/1
50. The role of confocal microscopy in the dermato-oncology practice. Diaconeasa A, Boda D, **Neagu M**, Constantin C, Căruntu C, Vlădău L, Guțu D *J Med Life*. 2011 Jan-Mar;4(1):63-74. Epub 2011 Feb 25.
51. Sensitizer localization and immune response in photodynamic therapy of B16 cells, Pop SF, Ion RM , **Neagu M**, Constantin, C *LASER PHYSICS* Volume: 21 Issue: 3 Pages: 576-581 DOI: 10.1134/S1054660X11050239 Published: MAR 2011
52. Patented Biomarker Panels in Early Detection of Cancer, **Monica Neagu**, Carolina Constantin, Cristiana Tanase and Daniel Boda, *Recent Patents on Biomarkers*, 1(1), 2011, 10-24.
53. Tissue and soluble microRNAs for diagnostic improvement and therapy in digestive tract cancers, Radu Albulescu, **Monica Neagu**, Lucian Albulescu, Cristiana Tanase, *Expert Review of Molecular Diagnostics*, 11(1), 2011, 101-120
54. Model experimental de carcinogeneză chimică la șoarece - B. Marinescu, Gheorghița Isvoranu, Carolina Constantin, C. Coman, Sabina Zurac, C. Căruntu, D. Boda, **Monica Neagu**, Mihaela Călin, *Revista Romana de Medicina Veterinara*, vol 20(4), 2010.
55. Nano-engineered materials based on fullerenes: synthesis and biomedical applications, Fierascu, RC Dumitriu, I, Ion RM, **Neagu, M**, Constantin, C Stavaru, C, *Advanced Topics In Optoelectronics, Microelectronics, And Nanotechnologies V Book Series: Proceedings of SPIE-The International Society for Optical Engineering* Volume: 7821, Article Number: 78211J DOI: 10.1117/12.882045 Published: 2010.
56. Statistical correlations between peripheral blood lymphocyte subpopulations and tumour inflammatory infiltrate in stage I of skin melanoma Mariana Costache, **Monica Neagu**, Angela Petrescu, Carolina Constantin, Gina Manda, Camelia Vrabie, Mariana Waller, C.S.

- Petrescu, Olga Simionescu, *Romanian Journal of Morphology and Embryology* vol. 51 no. 4, 2010, 693-699.
57. Immune-related biomarkers for diagnosis/prognosis and therapy monitoring of skin melanoma, **Monica Neagu**, Carolina Constantin, Cristiana Tanase, *Expert Review of Molecular Diagnostics*, 10(7), 2010, 897-921.
 58. Biomarkers Discovery In Cancer – up-dates In methodology, Cristina Tacu, **Monica Neagu**, Carolina Constantin, Maria Sajin, *Roum Arch Microbiol Immunol*, vol 69(1), 2010, 48-55
 59. Porphyrin (TPP)–Polyvinylpyrrolidone (PVP)–Fullerene (C60) Triad as Novel Sensitizer in Photodynamic Therapy Rodica Mariana Ion, Radu Claudiu Fierascu, **Monica Neagu**, Carolina Constantin, Crina Stavaru, *Science of Advanced Materials*, Vol. 2, 223–229, 2010
 60. Photodynamic Therapy on B16 Cells with Tetrasulphonated Porphyrin and Different Light Sources, Simona-Florentina Pop, Rodica-Mariana Ion, **Monica Neagu** and Carolina Constantin, *Journal of Materials Science and Engineering*, 4 (3), March 2010 (Serial Number 28), 10-16.
 61. Microwave synthesis, basic spectral and biological evaluation of some copper (II) mesoporphyrinic complexes. Boscencu R, Ilie M, Socoteanu R, Oliveira AS, Constantin C, **Neagu M**, Manda G, Ferreira LF. *Molecules*. 2010 May 25;15(5):3731-43.
 62. Antitumoral Effect of Calixarenes on Experimental Photodynamic Therapy with K562 Tumor Cell Line, **Monica Neagu**, Rodica - Mariana Ion, Gina Manda, Carolina Constantin, Eugen Radu, Zoia Cristu, *Romanian Journal of Biochemistry*, issue 47(1), 2010, Pages 17-35
 63. Fullerene-porphyrin nanostructures in photodynamic therapy, Carolina Constantin, **Monica Neagu**, Rodica-Mariana Ion, Mihaela Gherghiceanu, Crina Stavaru, *Nanomedicine*, 5(2), February 2010 Pages 307-317
 64. New Photosensitizers Versus Aminolevulinic Acid (ALA) in Experimental Photodynamic Therapy of Actinic Keratosis – A Case Report, Daniel Boda, **Monica Neagu**, Carolina Constantin, Adriana Diaconeasa, Simona Ianos, Rodica-Mariana Ion, *Analele Stiintifice ale Universitatii Alexandru Ioan Cuza Din Iasi (Serie Noua)-Genetica si Biologie Moleculara*, Tom X, Fascicola 3, pagina 61-69, 2009.
 65. Serum markers in skin melanoma – preliminary study, Georgiana Dumitrascu, Carolina Constantin, Gina Manda, Sanda Hristescu, Irina Margaritescu, D. Chirita, **Monica Neagu**, *Roum Arch Microbiol Immunol*, vol 69, pages 125-135, November 2009
 66. Key signaling molecules in pituitary tumors, Cristiana Pistol Tanase, **Monica Neagu**, Radu Albulescu, *Expert Review of Molecular Diagnostics*, 9(8), 859-877, 2009
 67. Biomarkers in the diagnosis and early detection of pancreatic cancer, Cristiana Pistol Tanase, **Monica Neagu**, Radu Albulescu, Eleonora Codorean & Simona Olimpia Dima, *Expert Opinion on Medical Diagnostics*, Vol. 3, No. 5, Pages 533-546, 2009
 68. SELDI-ToF-MS for prothymosin-alpha detection as bacterial infection apoptosis marker - NATO SfP Project, **Neagu M.**, Constantin C., Manda G., Popescu D., Ungureanu V., Tatu D., Pana M., Radu D.L., Bulman A., Vorgias K., Tsitsilonis O., Voelter W. *Proceedings of the 2nd European*

- Congress of Immunology, Monduzzi Editore International Proceedings Division*, pp 419 – 422, 2009.
69. Toxicological studies with cavitands organic structures in human immune cells experimental models, Constantin C., **Neagu M.**, Manda G., Stavaru C., Radu D. L. and Ion R.-M. *Proceedings of the 2nd European Congress of Immunology, Monduzzi Editore International Proceedings Division*, pp 415 – 418, 2009.
 70. Research Highlights, **Monica Neagu**, Carolina Constantin, Cristiana Tanase, Radu Albulescu, *Biomarkers In Medicine*, Vol. 3(4), 343 - 345, 2009.
 71. Interferente neuro-imune la nivel de opioide, Gina Manda, **Monica Neagu**, *Medicina moderna. Revista Colegiului Medicilor din Bucuresti*, vol XV, nr.9, p.493, 2009.
 72. New Bicyclo[2.2.1]heptane Nucleoside Analogues as Antitumor Agents, C. Tanase, F.G. Cocu, M.T. Caproiu, **Monica Neagu**, Gina Manda, *Rev. Chim. (Bucuresti)*, 60(2), 2009, 147-151.
 73. Reactive Oxygen Species, Cancer and Anti-Cancer Therapies, Gina Manda, Marina Tamara Nechifor and **Teodora-Monica Neagu**, *Current Chemical Biology*, Pp. 22-46, Volume 3, Number 1, January 2009
 74. Biomarkers of metastatic melanoma, **Neagu Monica**, Constantin Carolina, Manda Gina, Margaritescu Irina, *Biomarkers in Medicine*, Volume 3, number 1, 2009 , pp. 71-89(19)
 75. Preliminary study on the immunologic background of good clinical outcome in rheumatoid arthritis patients after one month therapy with leflunomide. Manda G, **Neagu M**, Constantin C, Neagoe I, Codreanu C. *Rheumatol Int.* 2009 Jun;29(8):937-46.
 76. Cell Investigations Simultaneous with Exposure to 2.45 GHz Microwaves, D. Martin, S. Cinca, I. Margaritescu, **M. Neagu**, C. Matei, N. Iacob, D. Ighigeanu, G. Craciun, E. Manaila, D. Chirita, M. Moisescu, *Journal of Microwave Power and Electromagnetic Energy* 2008, vol 42 (4), pp. 751-754 ISSN: 0832-7832
 77. Assessment of soluble angiogenic markers in pancreatic cancer, Cristiana Pistol-Tanase, Elena Raducan, Simona Olimpia Dima, Lucian Albulescu, Ionita Alina, Poroschianu Marius, Linda Maria Cruceru, Eleonora Codorean, **Teodora Monica Neagu & Irinel Popescu**, *Biomarkers in Medicine*, Vol. 2, No. 5, Pages 447-455, 2008.
 78. Combined Microwave and Electron Beam Exposure Facilities for Medical Studies and Applications, D. Martin, S. Cinca, I. Margaritescu, **M. Neagu**, N. Iacob, D. Ighigeanu, C. Matei, G. Craciun, E. Manaila, D. Chirita, M. Moisescu, *Journal of Microwave Power and Electromagnetic Energy* 2008, vol 42 (4), 771-774 ISSN: 0832-7832
 79. Immunotoxic effects of some organophosphate pesticides in rats, D Baconi, D Balalau, G Manda, **M Neagu**, M Barca, AM Ciobanu, *Toxicology Letters* 172, S206, 2007.
 80. Mechanisms in photodynamic therapy: photosensitizers and cellular localization on K562 cells Rodica-Mariana Ion, **Monica Neagu**, Gina Manda, Carolina Constantin, Mihaela Calin SPIE - *The International Society for Optical Engineering*. 13 July 2007 Vol: 6632, DOI: 10.1117/12.727968
 81. Laser effect in photodynamic therapy of tumors, Rodica-Mariana Ion, Dragos-Viorel Brezoi,

- Monica Neagu**, Gina Manda, Carolina Constantin Proc. *SPIE* Vol. 6606, 66061G (Apr. 25, 2007) 253-261, doi:10.1117/12.730203
82. Synthetic porphyrins in experimental photodynamic therapy induce different antitumoral effect, **Monica Neagu**, Gina Manda, Carolina Constantin, Eugen Radu and Rodica-Mariana Ion, *Journal of Porphyrins and Phthalocyanins*, 2007 Jan;11 (1): 58-65 ISSN: 1088-4246
 83. Alzheimer's disease delay: link to good physical function? László Csiba, Szabolcs Farkas, Peter F Ehrlich, **Monica Neagu**, Carolina Constantin, Cristiana Tanase, Stefan Kiechl, Philipp Werner, Michael Knoflach, Martin Furtner, Johann Willeit, Georg Schett, Expert Review of Neurotherapeutics, 2006, Volume 6, Issue 6, Pages 809-810
 84. Biochemical changes in rat testis induced in vitro by reactive oxygen species.Nechifor MT, Constantin C, Manda G, **Neagu M**, Dinu D.*Roum Arch Microbiol Immunol*. 2006 Jul-Dec;65(3-4):135-40.
 85. Markeri moleculari implicati în etiopatogenia, diagnosticul si prognosticul insuficientei cronice venoase si ale ulcerului cronic de gamba, Daniel Boda, Adriana Diaconeasa, **Monica Neagu**, Gina Manda, Carolina Constantin, Horatiu Rus, *Dermato.ro* Nr. 14 decembrie 2006 16-19, ISSN 1584-7608
 86. The immunologically active site of prothymosin alpha is located at the carboxy-terminus of the polypeptide.Evaluation of its in vitro effects in cancer patients, Margarita Skopeliti, Ioannis F. Voutsas, Persefoni Klimentzou, Marinos L. Tsiatas, Alexander Beck, Aristotelis Bamias, Maria Moraki, Evangelia Livaniou, **Monica Neagu**, Wolfgang Voelter, Ourania E. Tsitsilonis, *Cancer Immunol Immunother* Oct; 55(10):1247-1257, 2006, DOI 10.1007/s00262-005-0108-4 ISSN 0340-7004
 87. Patterns of peripheral cellular immune disorders in severe rheumatoid arthritis Gina Manda, **Monica Neagu**, Carolina Constantin, Alina Radulescu, Catalin Codreanu, *Romanian Archives of Microbiology and Immunology*, 64: 17-26, 2005
 88. The effects of organophosphate chlorpyrifos on immune function in rats, Daniela Baconi, Gina Manda, **Monica Neagu**, Dan Bălălaşu, Mihaela Ilie, Maria Barca, *Timisoara Medical Journal* (ISSN 1583-5251), 55, suppl. 5: 152 – 155, 2005
 89. Patients with primary antiphospholipid syndrome and coronary microvascular dysfunction – a distinct clinical set, Cristina Tanaseanu, Elena Moldoveanu, St. Tanaseanu, Monica Popescu, Alina Dumitrascu, Isabela Tamsula, Antoaneta Urban, Viorica Grecu, **Monica Neagu**, Gabriela Manea, Daciana Marta, *Rom. J Intern Med*, 42(3):545-556, 2004.
 90. Unstable angina is accompanied by immune cells dysfunction, **Monica Neagu**, Gina Manda, Carolina Constantin, Marina Nechifor, Cristina Tanaseanu, *Romanian Archives of Microbiology and Immunology*, 63 (3-4): 169-180, 2004.
 91. The significance of human platelet activating factor – acetylhydrolase in patients with chronic stable angina, Cristina Tanaseanu, Elena Moldoveanu, Tetsuya Kosaka, Stefanita Tanaseanu, **Monica Neagu**, Laurentiu M Popescu, *Eur J Intern Med.*, Aug;15(5):291-297, 2004 ISSN: 0953-6205

92. Experimental model of antitumoral photodynamic therapy with phtalocyanines – pathological evaluation Tănase Cristiana, **Monica Neagu**, G. Savi, Rodica Carstoiu, Rodica Mariana Ion, Eleonora Codorean, Elena Raducan, Daniela Popescu, Gina Manda, Carmen Ardeleanu, II Intercontinental Congress of Pathology, Proceeding, Iguassu Falls (Brazil) June 9-13, 2004, Editors Fernando Soares, Jose Vassallo, Luiz Fernando Bleggi Torres, Medimond International Proceedings, Medimond - Monduzzi Editore, Italia, 121-125, 2004, ISBN:978-88-7587-050-8.
93. Apoptosis in pituitary adenomas; comparative study by flow cytometry and in situ end-labeling technique, Tănase Cristiana, E. Codorean, C. Ardeleanu, G. Butur, G. Manda, **M. Neagu**, E. Radu, D.I. Popescu, E. Raducan, M.L. Cruceru, M.A. Niculescu, V. Ciubotaru, I. OGREZEAN, II Intercontinental Congress of Pathology, Proceeding, Iguassu Falls (Brazil) June 9-13, 2004, Editors Fernando Soares, Jose Vassallo, Luiz Fernando Bleggi Torres, Medimond International Proceedings, Medimond - Monduzzi Editore, Italia, 117-120, 2004, ISBN:978-88-7587-050-8
94. Proliferation and apoptosis in relation to treatment response in pituitary adenomas, C Tanase, E Codorean, G Manda, **M Neagu**, DI Popescu, E Raducan, ML Cruceru, G Butur, M Neagu, C Ardeleanu, *Exp Clin Endocrinol Diabetes* 2004; 112
95. The effect of laser activation of 5,10,15,20-tetra-sulphophenyl-porphyrin loaded in K562 cells and human normal mononuclear cells, Carolina Constantin, **Monica Neagu**, Gina Manda, Rodica-Mariana Ion and Dana Iordachescu, *Romanian Archives of Microbiology and Immunology*, 63(3-4):165-179, 2004.
96. Plasma membrane potential interferes with the respiratory burst of peripheral granulocytes, Alexandra Livescu, Gina Manda, Carolina Constantin, **Monica Neagu**, Dana Iordachescu, *Journal of Cellular and Molecular Medicine*, 7(1): 73-78, 2003
97. Functional parameters of peripheral neutrophils isolated from unstable angina patients, Livescu A., **Neagu M.**, Constantin C., Manda G., Gaghes M., Tanaseanu C, *Immunology Letters*, Special Issue, Vol. 87, No. 1-3: 44-45, 2003;
98. Evaluation of peripheral lymphocytes subpopulation in cardiovascular diseases, **Neagu M.**, Manda G., Gaghes M., Livescu A., Constantin C., Tamsula I., Popescu M, Tanaseanu C, *Immunology Letters*, Special Issue, Vol. 87, No. 1-3: 95, 2003;
99. In vivo inhibition of dihydroorotate dehydrogenase with leflunomide modulates the functions of peripheral granulocytes in rheumatoid arthritis, Manda G., **Neagu M.**, Livescu A., Constantin C., Codoreanu C., *Immunology Letters*, Special Issue, Vol.87, No 1-3 : 243, 2003
100. Receptor and dose-dependent effects exerted in vitro by methotrexate on human immune cells, Gina Manda, **Monica Neagu**, Alexandra Livescu, Carolina Constantin, Catalin Codoreanu, Marina T. Nechifor, Roumanian Biotechnological Letters, 8(1): 1139-1147, 2003
101. In vitro investigation of immunotoxicity of chlorpyrifos. Note II: effects registered upon human peripheral blood lymphocytes proliferation asupra, Daniela Luiza Baconi, Gina Manda, Dan Bălălaşu, **Monica Neagu**, Mihaela Ilie, *Farmacia* (ISSN 0014-8237), LI (6): 87-91, 2003.
102. The involvement of reactive oxygen species in the development of unstable angina, **Monica**

- Neagu**, Gina Manda, Alexandra Livescu, Carolina Constantin, Marina T. Nechifor, Isabela Tamsula, Monica Popescu, Cristina Tanaseanu, *Roumanian Biotechnological Letters*, 8(1): 1083-1092, 2003
103. Imbalance between peripheral B lymphocytes and NK cells in rheumatoid arthritis, G. Manda, **M. Neagu**, A. Livescu, C. Constantin, C. Codreanu, A. Radulescu, *Journal of Cellular and Molecular Medicine*, 7(1): 79-88, 2003
 104. Platelet-Activating factor acetylhydrolase activity in patients with chronic stable angina (preliminary results), Tanaseanu C., Moldoveanu E, Kosaka T., **Neagu M.**, Tanaseanu S., Popescu M., Tamsulea I., Urban A., *Romanian Journal of Internal Medicine*, vol 41(2):145-152, 2003
 105. The in vitro effect of low molecular weight heparin on peripheral blood leukocytes from patients with cardiovascular diseases, **Monica Neagu**, Gina Manda, Carolina Constantin, Cristina Tanaseanu, D. P. Mikhailidis, *International Angiology*, 20 (2), 164-173, 2001. ISSN: 1061-1711
 106. Chronic ethanol consumption affects the activity of antioxidant enzymes in rat liver, Marina Nechifor, Diana Dinu, I.F. Dumitru, N. Balta, **Monica Neagu**, Gina Manda, Gh. Stoian, *Romanian Journal of Physiology* (Physiological Sciences), 38 (1-4):127-134, 2001.
 107. Alcohol dehydrogenase in the blood serum of rats with chronic alcoholism, Diana Dinu, Gh. Stoian, Marina Tamara Nechifor, **Monica Neagu**, Gina Manda, N. Balta, M. Ioan, I.F. Dumitru, *Romanian Journal of Physiology*, (Physiological Sciences), 38 (1-4):135-140, 2001.
 108. The influence of experimental alcohol ingestion on the functionality of rat splenocytes, **Monica Neagu**, Gina Manda, Carolina Constantin, Alexandra Livescu, Diana Dinu Gheorghe Stoian, Marina Nechifor, *Ovidius University Annals of Biology-Ecology*, 5: 47-50, 2001.
 109. Alcohol and antioxidant enzymes in rat liver, Marina Nechifor, Gheorghe Stoian, **Monica Neagu**, Gina Manda, Diana Dinu, *Ovidius University Annals of Biology-Ecology*, 5: 43-46, 2001.
 110. Effects of synovial fluid on the respiratory burst of granulocytes in rheumatoid arthritis, Marinela Bostan, Lorelai Brasoveanu, Alexandra Livescu, Gina Manda, **Monica Neagu**, Dana Iordachescu, *Journal of Cellular and Molecular Medicine*, 5(2): 188-194, 2001
 111. Involvement of complement and Fc receptors in the respiratory burst of neutrophils, Alexandra Livescu, Carolina Constantin, Gina Manda, **Monica Neagu**, *Scand. J. Immunol.*, 54 (Suppl.1): B9/1002: 84, 2001. Online ISSN: 1365-3083
 112. Cellular parametres prognosticate acute cardiovascular disease outcome, **Monica Neagu**, Gina Manda, Alexandra Livescu, Carolina Constantin, *Scand. J. Immunol.*, 54 (Suppl.1): A5/1263: 96, 2001. Online ISSN: 1365-3083
 113. The relation between experimental tumor and chronic inflammation in malignant process evolution, Carolina Constantin, Alexandra Livescu, Gina Manda, Rodica Dumitrescu, **Monica Neagu**, *Scand. J. Immunol.*, 54 (Suppl.1): K1/1361: 75, 2001. Online ISSN: 1365-3083
 114. *In vitro* immunomodulatory action of low doses of methotrexate in rheumatic diseases, Gina Manda, **Monica Neagu**, Carolina Constantin, Alexandra Livescu, *Scand. J. Immunol.*, 54 (Suppl.1): A7/1361: 116, 2001. Online ISSN: 1365-3083

115. Mannose-coated liposomes as adjuvant for influenza virus vaccine: stimulation of respiratory burst of mouse peritoneal macrophages, Carmen Popescu, Viorel Alexandrescu, Dan Ivanov, Gina Manda, **Monica Neagu**, *Journal of Medicine and Biochemistry*, 4(1), 51-55, 2000
116. Changes in albumin fraction after in vitro UVA irradiation of human plasma, Marina Nechifor, **Monica Neagu**, Gina Manda, Marinela Gaghes, *Journal of Medicine and Biochemistry*, 3(3), 283-287, 1999.
117. Total depletion of extracellular calcium ions favors superoxide anion release by human normal peripheral granulocytes, Gina Manda, **Monica Neagu**, Alexandra Livescu, Marinela Bostan, A. C. Bancu, *Journal of Medicine and Biochemistry*, 1999, vol.3, nr.4, 333-341.
118. The In vitro Action of a Succussed Substance on the Proliferative Response of Human Lymphocytes Stimulated with Phytohemagglutinin, M Chirila, S Hristecu, G Manda, **M Neagu**, A Olinescu BIOMEDICAL THERAPY, 1999, Volume 17, Pages 73-75
119. Peripheral leukocytes activation in aortic aneurysmal disease, Tanaseanu C, **Neagu M**, Popescu M, Manda G, Cojocaru M., *Rom J Intern Med.*, 36(3-4):167-174, 1998.
120. Flow Cytometry Measurements of Intracellular pH in Different Stages of Cell Evolution, Laura Olariu, Brandusa Dumitriu, Gina Manda, **Monica Neagu**, *Journal of Medicine and Biochemistry*, 4(4), 1998.
121. The immune response induced by a split influenza vaccine. Part I. Studies on cellular immunity, V. Alexandrescu, Gina Manda, **Monica Neagu**, D. Ciotaru, E. Ionita, *Rom. Arch. Microbiol. Immunol.*, 56(3-4): 155-164, 1997.
122. The effect of thiol compounds on the respiratory burst in polymorphonuclear granulocytes, Marina Tamara Nechifor, Marinela Bostan, **Monica Neagu**, Gina Manda, I. F. Dumitru, *Roum. Biotechnol. Lett.*, 1(2): 98-105, 1996.
123. Functional interferences between CR3 and the receptors for N-formylated peptides regarding the respiratory burst of PMNs in vitro stimulated with zymosan particles and fMLP, Gina Manda, **Monica Neagu**, Alexandra Livescu, Marinela Bostan, Maria Chirila, Elena Mazilu, A.C. Bancu, L.M. Popescu, *Rev. Roum. Biochim.*, 33 (3-4): 191-199, 1996
124. The influence of some serine-proteases inhibitors on respiratory burst of human normal peripheral polymorphonuclear granulocytes in vitro stimulated with opsonized zymosan, **Monica Neagu**, Gina Manda, Maria Chirila, Elena Mazilu, A. C. Bancu, L. M. Popescu, *Rev. Roum. Biochim.*, 32 (3-4): 131-136, 1995.
125. Immune intervention in autoimmune diseases-MHC blockade, **Monica Neagu**, *Roum. Arch. Microbiol. Immunol.*, 52 : 165-169, 1993.
126. Selective immunosuppression by administration of MHC class II - binding peptides. II Preventive inhibition of primary and secondary in vivo antibody response, J-Ch. Guery, **Monica Neagu**, Gemma Rodriguez-Tarduchy, L. Adorini, *J. Exp. Med.*, 177 : 128 - 136, 1993. ISSN: 0022-1007.
127. Action of some proteic and sugar components of Symphytum officinale upon normal and neoplastic cells, A. Olinescu, Gina Manda, **Monica Neagu**, Sanda Hristescu, C. Dasanu, *Roum.*

Arch. Microbiol. Immunol., 52 (2): 73-79, 1993

128. The *in vitro* action of a succussed substance on the proliferative response of human lymphocytes stimulated with phytohemagglutinin, Chirila M, Hristescu S, Manda G, **Neagu M**, Olinescu A. *Rom J Intern Med*, 30(1):63-67, 1992.
129. In vivo and in vitro effect of Cantastim, an immunomodulatory agent extracted from a highly pathogenic *Pseudomonas aeruginosa* strain, A. Olinescu, Sanda Hristescu, Aurora Salageanu, Gina Manda, **Monica Neagu**, *Neoplasma*, 38 (1): 119-128, 1991. ISSN 0028-2685
130. A nonspecific immunostimulant effect with Cantastim on the cellular and humoral immune responses in mice evaluated by in vivo and in vitro tests, A. Olinescu, Sanda Hristescu, Aurora Salageanu, Gina Manda, **Monica Neagu**, *Rev Ig Bacteriol Virusol Parazitol Epidemiol Pneumoftiziol*, 34(4):325-336, 1989.
131. Follow-up cell mediated immune functions in "professional" blood donors, A. Olinescu, Sanda Hristescu, Gina Manda, **Monica Neagu**, T. Georgescu, *Arch. Roum. Path. Exp. Microbiol.*, T47 (3-4): 283-288, 1988.
132. Inhibitory effect of interleukin-1 on the *in vitro* PHA-stimulated lymphocytes on some blood donors, A. Olinescu, Sanda Hristescu, Gina Manda, **Monica Neagu**, Fanica Agache, *Arch. Roum. Path. Exp. Microbiol.*, T47 (3-4): 289-297, 1988

19.08.2016

Monica Neagu