

INFORMAȚII PERSONALE

Gina MANDA



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 Sex F | Data nașterii 26/08/1961 | Naționalitatea Româna

 FUNCȚIA DIN CADRUL
PROIECTULUI

Director de proiect

 EXPERIENȚA
PROFESIONALĂ

1993 - prezent

Cercetator stiintific I (din 2016)
Sef Laborator Radiobiologie (din 2003)
Responsabil cu securitatea radiologica (din 2014)
Membru al Consiliului stiintific (din 2009)
Secretar stiintific (2009-2013)
Responsabil cu asigurarea calitatii in cercetare (2009-2013)

Positii anterioare:

- Cercetator stiintific II (1999-2016)
- Cercetator stiintific III (1996-1999)
- Asistent de cercetare (1993-1996)

INCD „Victor Babes”, Splaiul Independentei 99-101, 050096 Bucuresti, Romania

- Coordonator de proiecte de cercetare in domeniul radiobiologiei, testare preclinica de medicamente, imunologie, neurostiinte

Tipul sau sectorul de activitate: cercetare biomedicala

1987 - 1993

Asistent de cercetare
Doctorand (1990-1993)

Institutul „Ion Cantacuzino”, Splaiul Independentei 103, Bucuresti, Romania

- Membru al echipei de cercetare in diverse proiecte din domeniul imunologiei si imunomodularii

Tipul sau sectorul de activitate: cercetare biomedicala

1986 - 1988

Asistent de cercetare

Institutul de Reactori Energetici Nucleari, Mioveni, Jud. Ages, Romania

- dozimetrie

Tipul sau sectorul de activitate : cercetare in domeniul fizicii nucleare

EDUCAȚIE ȘI FORMARE

1990 - 1996

Doctorat

Facultatea de Fizica, Universitatea Bucuresti, România

- Biofizica: biologia speciilor reactive de oxigen in conditii fiziologice si patologice

1992

Specializare in autoimunitate

INSERM U354, Paris, France (Prof. Raymond Frade). Specializarea in autoimunitate – rețeaua idiotip-antiidiotip a receptorului pentru

complement CR1 in artrita reumatoida

- 1984 - 1985 **Master**
 Facultatea de Fizica, Universitatea Bucuresti, Romania
- Fizica polimerilor: proprietati electrice ale cristalelor lichide
- 1980 - 1984 **Facultatea de Fizica**
 Facultatea de Fizica, Universitatea Bucuresti, Romania
- Fizica

COMPETENTE PERSONALE

Alte limbi străine cunoscute	Română				
	INTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
Engleză	C2	C2	C2	C2	C2
Franceză	C2	C2	B2	B2	B2

Niveluri: A1/A2: Utilizator elementar - B1/B2: Utilizator independent - C1/C2: Utilizator experimentat
[Cadru european comun de referință pentru limbi străine](#)

Competențe de comunicare
 Abilitati excelente de comunicare stiintifica, dobandite in proiecte de cercetare multi-disciplinare la nivel national si international (> 100 comunicari orale).
 Abilitati excelente de comunicare in calitate de formator, dobandite in proiecte europene de instruire care au avut ca grup tinta personal din sistemul de sanatate sau doctoranzi/post-doctoranzi in domeniul biomedical.

Competențe organizaționale/manageriale
INCD “Victor Babes”
2003-2013: Responsabil cu asigurarea calitatii in cercetare (~60 cercetatori)
2009-2013: Secretar stiintific (~60 cercetatori)
2009-present Sef Laborator Radiobiologie (5-11 cercetatori)
2009-present Coordonatorul echipei functionale ȚDrug development and (immune)toxicologyȚ (~18 cercetatori)
2009-present Membru al Consiliului stiintific al INCD “Victor Babes”

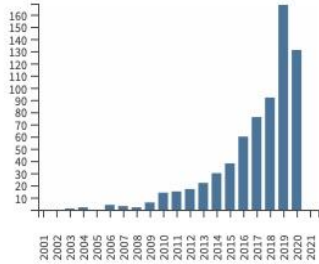
Competențe dobândite la locul de muncă
 Expertiza tehnica

- Culturi celulare si teste de functionalitate celulara
- Tehnici de radiobiologie
- Citometrie in flux si ELISA

Competență digitală	AUTOEVALUARE				
	Procesarea informației	Comunicare	Creare de conținut	Securitate	Rezolvarea de probleme
	Proficient user	Proficient user	Proficient user	Basic user	Basic user

Niveluri: Utilizator elementar - Utilizator independent - Utilizator experimentat
[Competențele digitale - Grilă de auto-evaluare](#)

INFORMATII
SUPLIMENTARE

H-Index Publicatii Citari Conducere de proiect Evaluator Cursuri de management	H-Index = 18 (Google Scholar); H-Index = 15 (ISI Web of Knowledge) 159 publicatii (Google Scolar). 79 publicatii ISI (31.07.20) Vezi anexa cu Lista de publicatii selectate 1350 citari Google Scholar (990 din 2015), 681 citari ISI Web of knowledge (636 fara autocitari) Director de proiect in 13 proiecte (2 internationale si 11 nationale) and responsabil proiect in 10 proiecte, membru al comitetului de management in 2 Actiuni COST (inclusiv WG leader intr-unul dintre aceste proiecte), pozitie de management in 2 proiecte europene de instruire Evaluator la competitii nationale de proiecte de cercetare Evaluator pentru programul COST (din 2014) Reviewer pentru urmatoarele reviste stiintifice: <ul style="list-style-type: none"> • Journal of Cellular and Molecular Medicine • International Journal of Molecular Sciences • Oxidative Medicine and Cellular Longevity • British Journal of Cancer • Toxins • Journal of Neurology & Neuromedicine • Journal of Mental Health and Clinical Psychology • Molecular Life • Biophysical Reviews • Colloids and Surfaces B: Biointerfaces 2007 Development of projects financed from european and international funds, Predeal, Romania 2007 Training of Assessors for „IPMA Model for Project Excellence”, Bucharest, Romania 2017 Technology transfer course, Bucharest, Romania 2019 Radiologic security for practices with ionizing radiation sources, Magurele, Romania	
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ANEXE

Lista de publicatii selectate (carti si articole stiintifice)
 Lista brevetelor
 Lista de proiecte selectate

Lista publicatiilor (selectie)
CARTI

1. **Methotrexate liposomes – a reliable therapeutic option.** Ciobanu AM, Barca M, Manda G, Burcea GTA. Chapter 10, page 171, in *Liposomes*, Catala A, Ed, InTech Open, 2017. ISBN: 978-953-51-3580-7
2. **Guide for the organization of the immunology laboratory.** Prof. Dr. Victor Cristea, coordinator. Auhors (in alphabetical order): Cornelia Braicu, Ioana Berindan-Neagoe, Roxana Cojocneanu-Petric, Carolina Constantin, Maria Dobre, Radu-Ionut Huică, Laura Ispravă, Gina Manda, Ionela Neagoe, Monica Neagu, Aurora Sălăgeanu, Mihaela Surcel, Cătălin Tucureanu, Cornel Ursaciuc, Mihaela Zlei. Editura Medicală Universitară "Iuliu Hațieganu", Cluj-Napoca, 2013. ISBN 978-973-693-550-3.
3. **Medical spectrometry manual.** Coordinator Prof. Dr. Mihail Eugen Hinescu. Authors Florin Mitu, Gina Manda, Vasile Preoteasa, Daniela Baconi, Ionela Neagoe. Editura Viata Medicala Romaneasca, Bucuresti, 2013. ISBN 978-973-160-074-1.
4. **Fundamental immunology.** Cornel Ursaciuc, Monica Neagu, Gina Manda. "Viata Medicala Romaneasca" Publishing House, 164 pgs., 2012.
5. **Trends in Interdisciplinary Studies Revealing Porphyrinic Compounds Multivalency Towards Biomedical Application.** Socoteanu Radu, Rica Boscencu, Anca Hirtopeanu, Gina Manda, Anabela Sousa Oliveira, Mihaela Ilie, Luis Filipe Vieira Ferreira, in *Biomedical Engineering – From Theory to Applications*, Reza Fazel-Rezai Ed, InTech Publishing House, p. 355-390, 2011, ISBN 978-953-307-637-9.
6. **Methods of Humoral and Cellular Immunology.** Dorel L. Radu, Crina Stavaru, Iuliana Caras, Gina Manda, Monica Neagu, Eugen Radu, Cornel Ursaciuc, Laurentiu Mircea Popescu, University Publishing House "Carol Davila", Bucharest, 2006, ISBN: 973-708-084-X
7. **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 Chirilă, Elena Mazălu, A. C. Bancu, L.M. Popescu. In *Immunoregulation in Health and Disease, Experimental and Clinical Aspects*, M.L. Lukic, M. Colic, Marija Mostarica-Stojkovic and K. Cuperlovic Eds, Academic Press, Section 4: Host reactivity to graft, tumor and infection, Chapter 41, p. 431-438, 1997.

ARTICOLE STIINTIFICE SELECTATE

1. Gina Manda, Antonio Cuadrado, **The transcription factor NRF2 shapes the identity of radio-resistant tumor cells.** *Journal of cell Identity* (in press).
2. Livia Elena Chilug, Dana Niculae, Radu Anton Leonte, Alexandrina Nan, Rodica Turcu, Cosmin Mustaciosu, Radu Marian Serban, Vasile Lavric, Gina Manda. **Preclinical Evaluation of NHS-Activated Gold Nanoparticles Functionalized with Bombesin or Neuropeptide-Like Peptides for Targeting Colon and Prostate Tumours.** *Molecules* 2020, 25: 3363. **IF = 3.267**
3. Antonio Cuadrado, Marta Pajares, Cristina Benito, José Jiménez-Villegas, Maribel Escoll, Raquel Fernández-Ginés, Angel J. Garcia Yagüe, Diego Lastra, Gina Manda, Ana I. Rojo, Albena T. Dinkova-Kostova. **Can Activation of NRF2 Be a Strategy against COVID-19?** *Trends in Pharmacological Sciences*, 1738, 22 July 2020. **IF = 11.523**
4. Marta Pajares, Ana I. Rojo, Gina Manda, Lisardo Boscá, Antonio Cuadrado. **Inflammation in Parkinson's Disease: Mechanisms and Therapeutic Implications.** *Cells* 2020, 9(7), 1687. **IF = 4.366**
5. Norwin Kubick, Marta Pajares, Ioana Enache, Gina Manda, Michel-Edwar Mickael. **Repurposing Zileuton as a Depression Drug Using an AI and In Vitro Approach.** *Molecules* 2020, 25(9): 2155. **IF = 3.267**
6. Gina Manda, Cristian Postolache, Ionela Victoria Neagoe, Andreea Csolti, Elena Milanese, Maria Dobre. **The expression profile of redox genes in human monocytes exposed *in vitro* to γ radiation.** *Radiation Physics and Chemistry* 2019, 170: 108634. **IF = 1.435**

7. Gina Manda, Ana I. Rojo, Elena Martínez-Klimova , José Pedraza-Chaverri, Antonio Cuadrado. **Nordihydroguaiaretic acid: from herbal medicine to clinical development for cancer and chronic diseases.** *Frontiers Pharmacology* 2019, 11:151. **IF = 3.845**
8. Alina-Andreea Zimta, Vlad Schitcu, Eugen Gurzau, Crina Stavaru, Gina Manda, Stefan Szedlacsek, Ioana Berindan-Neagoe. **Biological and molecular modifications induced by cadmium and arsenic during breast and prostate cancer development.** *Environmental Research* 2019, 178: 108700, <https://doi.org/10.1016/j.envres.2019.108700>. **IF = 5.026**
9. Asavei T, Bobeica M, Nastasa V, Manda G, et al. **Laser-driven radiation: Biomarkers for molecular imaging of high dose-rate effects.** *Medical Physics* 2019, 46(10): e726-e734. **IF = 2.617**
10. Robledinos-Anton N, Fernandez-Gines R, Manda G, Cuadrado A. **Activators and inhibitors of NRF2: A review of their potential for clinical development.** *Oxid Med Cell Longev* 2019, 2019:9372182. **IF = 4.868**
11. Radu Albuлесcu, Adrian-Claudiu Popa, Ana-Maria Enciu, Lucian Albuлесcu, Maria Dudau, Ionela Daniela Popescu, Simona Mihai, Elena Codrici, Sevinci Pop, Andreea-Roxana Lupu, George E Stan, Gina Manda, Cristiana Tanase. **Comprehensive In Vitro Testing of Calcium Phosphate-Based Bioceramics with Orthopedic and Dentistry Applications.** *Materials* 2019, 12(22): 3704. **IF = 2.972**
12. Natalia Radulea, Rica Boscencu, Radu Socoteanu, Gina Manda, Ionela Victoria Neagoe. **The Effect of Some Amphiphilic Porphyrins on the Transmembrane Potential of Cultured L929 Cells.** *Revista de Chimie* 2019, 70(4): 1288-1292. **IF = 1.605**
13. Gina Manda, Mihail Eugen Hinescu, Ionela Victoria Neagoe, Luis Filipe Vieira Ferreira, Rica Boscencu, Paul Vasos, Selma Huveyda Basaga, Antonio Cuadrado. **Emerging Therapeutic Targets in Oncologic Photodynamic Therapy.** *Current Pharmaceutical Design* 2019, 24(44): 5268-5295. **IF=2.962**
14. Panait ME, Chilug L, Negoita V, Busca A, Manda G, Niculae D, Dumitru M, Gruia MI. **Biological effects induced by 68Ga - conjugated peptides in human and rodent tumor cell lines.** *Molecular Imaging and Biology* 2018, 25: 979–987. **IF=3.466**
15. Boscencu R, Socoteanu RP, Manda G et al. **New A3B porphyrins as potential candidates for theranostic. Synthesis and photochemical behaviour.** *Dyes and Pigments* 2018, 160: 410-417. **IF=3.767**
16. Codeanu C, Popescu CC, Mogosan C, Enache L, Manda G, Berghea F, Groseanu L, Predeteanu D. **Targeting interleukin 17 in the treatment of rheumatoid arthritis.** *Farmacia* 2018, 66(3): 390-398. **IF=1.507**
17. Antonio Cuadrado, Gina Manda, Ahmed Hassan, et al. **Transcription factor NRF2 as a therapeutic target for chronic diseases: a systems medicine approach.** *Pharmacological Reviews* 2018, 70(2):348-383. **IF=17.17**
18. Pietro Ghezzi, Luciano Floridi, Diana Boraschi, Antonio Cuadrado, Gina Manda, Snezana Levic, Fulvio D'Acquisto, Alice Hamilton, Toby J Athersuch, Liza Selley. **Oxidative stress and inflammation induced by environmental and psychological stressors: A biomarker perspective,** *Antioxidants & redox signaling* 2018, 28(9): 852-872. **IF= 6.337**
19. Burns JS, Manda G. **Metabolic Pathways of the Warburg Effect in Health and Disease: Perspectives of Choice, Chain or Chance,** *International Journal of Molecular Science* 2017, 18(12):2755. **IF=3.482**
20. Rica Boscencu, Gina Manda, Natalia Radulea, Radu Petre Socoteanu, Laura Cristina Ceafalan, Ionela Victoria Neagoe, Isabel Ferreira Machado, Selma Huveyda Basaga, Luís Filipe Vieira Ferreira. **Studies on the Synthesis, Photophysical and Biological Evaluation of Some Unsymmetrical Meso-Tetrasubstituted Phenyl Porphyrins,** *Molecules* 2017, 22(11): 1815. **IF=2.988**
21. Chilug LE, Leonte RA, Barbinte Patrascu ME, Ion AC, Tuta CS, Raicu A, Manda G, Niculae D. **In vitro binding kinetics study of gold nanoparticles functionalized with 68Ga-DOTA conjugated peptides.** *J Radioanal Nucl Chem* 2017, 3(2):1485-1493. **IF = 1.282**
22. Barca M, Manda G, Ciobanu AM, Balalau C, Lupuleasa D, Traian G, Dragomiroiu GTAB, Pop A, Popa DE, Baconi DL. **Immunomodulatory effects of methadone following methotrexate therapy in a rat model of arthritis,** *Farmacia* 2017, 65(3):423-428. **IF = 1.348**

23. Asavei T, Tomut M, Bobeica M, Aogaki S, Cernaianu MO, Ganciu M, Kara S, Manda G, et al. **Materials in extreme environments for energy, accelerators and space applications at ELI-NP**, *Romanian Reports in Physics* 2016, 68(Suppl): S275–S347. **IF = 1.367**
24. Checheriță IA, Manda G, Hinescu ME, Peride I, Niculae A, Bilha S, Gramaticu A, Voroneanu L, Covic A. **New molecular insights in diabetic nephropathy**. *International Urology and Nephrology* 2016, 48(3): 373-387. **IF = 1.292**
25. Dumitrache F, Morjan IG, Fleaca CI, Badoi A, Manda G, Pop S, Marta DS, et.al. **Highly magnetic Fe₂O₃ nanoparticles synthesized by laser pyrolysis used for biological and heat transfer applications**. *Applied Surface Science* 2015, 336: 297–303. **IF = 2.711**
26. Socoteanu R, Manda G, Boscencu R, Vasiliu G, Anabela Sousa Oliveira. **Synthesis, spectral analysis and preliminary in vitro evaluation of some tetrapyrrolic complexes with 3d metal ions**. *Molecules* 2015, 20(9): 15488-15499, doi:10.3390/molecules200915488. **IF = 2.465**
27. Manda G, Isvoranu G, Comanescu MV, Manea A, Debeleac Butuner B, Korkmaz KS. **The redox biology network in cancer pathophysiology and therapeutics**. *Redox Biology* 2015, 5: 347-357. **IF = 6.235**
28. Manea SA, Constantin A, Manda G, Sasson S, Manea A. **Regulation of Nox enzymes expression in vascular pathophysiology: Focusing on transcription factors and epigenetic mechanisms**. *Redox Biology* 2015, 5: 358-366. **IF = 6.235**
29. Manda G, Mocanu MA, Marin DE, Taranu I. **Dual Effects Exerted in Vitro by Micromolar Concentrations of Deoxynivalenol on Undifferentiated Caco-2 Cells**. *Toxins* 2015, 7(2), 593-603. **IF = 3.571**
30. Manda G, Checherita AI, Comanescu MV, Hinescu ME. **Redox Signaling in Diabetic Nephropathy: Hypertrophy versus Death Choices in Mesangial Cells and Podocytes**. *Mediators of Inflammation* 2015, 2015, Article ID 604208. **IF = 3.418**
31. Margina D, Ilie M, Manda G, Neagoe I, Danciulescu-Miulescu R, Purdel CD, Gradinaru D. **In vitro effects of prolonged exposure to quercetin and epigallocatechin gallate of the peripheral blood mononuclear cell membrane**. *Cellular and Molecular Biology Letters* 2014, 19: 542-560. **IF = 1.782**
32. Margina D, Gradinaru D, Manda G, Neagoe I, Ilie M. **Membranar effects exerted in vitro by polyphenols – quercetin, epigallocatechin gallate and curcumin – on HUVEC and Jurkat cells, relevant for diabetes mellitus**. *Food Chem Toxicol*, 61:86-93, 2013, pii: S0278-6915(13)00155-5. **IF = 2.610**
33. Nechifor MT, Niculițe CM, Urs AO, Regalia T, Mocanu M, Popescu A, Manda G, Dinu D, Leabu M. **UVA Irradiation of Dysplastic Keratinocytes: Oxidative Damage versus Antioxidant Defense**. *Int. J. Mol. Sci*, 13, 16718-16736, 2012. **IF = 2.464**
34. Marin DE, Taranu I, Burlacu R, Manda G, Motiu M, Neagoe I, Dragomir C, Stancu M, Calin L. **Effects of zearalenone and its derivatives on porcine immune response**. *Toxicology In Vitro*. 25(8):1981-1988, 2011. **IF = 2.775**
35. Taranu I, Daniela E. Marin DE, Manda G, Motiu M, Ionela Neagoe I, Cristina Tabuc C, Stancu M, Olteanu M. **Assessment of the potential of a boron–fructose additive in counteracting the toxic effect of *Fusarium* mycotoxins**. *Br J Nutrition*, 106(3): 398-407, 2011. **IF = 3.013**
36. Rica Boscencu, Mihaela Ilie, Radu Socoteanu, Anabela Sousa Oliveira, Carolina Constantin, Monica Neagu, Gina Manda, Luis Filipe Vieira Ferreira. **Synthesis, Basic Spectral and Biological Evaluation of Some Copper (II) Mesoporphyrinic Complexes**. *Molecules*, 15(5), 3731-3743, 2010. **IF = 1.988**
37. Lidia Matei, Ionela Neagoe, C. Postolache, C.V. Tanase, G. Bubueanu, Gina Manda. **In vitro and in vivo Radiometrical Studies For Evaluation of New Nucleoside Analogue Behavior**. *J. Label Compd. Radiopharm.* **53**: 294-299, 2010. **IF = 1.096**
38. Gina Manda, Marina Tamara Nechifor, Teodora-Monica Neagu. **Reactive Oxygen Species, Cancer and Anti-Cancer Therapies**. *Current Chemical Biology*, 3(1): 342-366, 2009.
39. Gina Manda, Monica Neagu, Carolina Constantin, Ionela Neagoe, Catalin Codreanu. **Preliminary study on the immunologic background of good clinical outcome in rheumatoid arthritis patients after one-month therapy with leflunomide**. *Rheumatology International*, 29(8): 937-946, 2009. **IF = 1.493**

LISTA BREVETELOR

OSIM patent 131946/2019 Tetrapyrrolic compound with theranostic applications and obtaining process – authors: Boscencu R, Manda G, Socoteanu RP, Hinescu ME, Radulea N, Neagoe IV, Ferreira LFV.

OSIM patent 01030/2017 Porphyrin derivative for theranostic use – authors: Boscencu R, Manda G, Socoteanu RP, Hinescu ME, Neagoe I, Olariu L, Dumitriu B.

OSIM patent 125018 B1/2015 Biofunctionalized porphyrinic compound – authors: Socoteanu R, Boscencu R, Nacea V, Constantin C, Manda G, Neagu M, Ilie M, Oliveira AS, Ferreira LFV, published in RO-BOPI 4/30.04.2015

OSIM patent 126761 B1/2014 Asymmetrically substituted porphyrinic compound, as a photosensitizing agent, used in cancer diagnosis and its preparation process – authors: Boscencu R, Socoteanu R, Constantin C, Neagu M, Manda G, Ilie M, Nacea V, Gird CE, Oliveira AS, Ferreira LFV.

OSIM patent 128433 A2/2013 Procedure for the identification and dosing by HPLC of leflunomide in the patients' blood – authors: Negrei C, Baconi D, Margină D, Bălănescu A, Berghea F, Ilie M, Manda G, published in RO-BOPI 5/30.05.2013

OSIM patent 123419 B1/2012 Asymmetrically substituted tetrapyrrolic compound, obtaining process and biological evaluation at cellular level – authors: Boscencu R, Socoteanu R, Nacea V, Constantin C, Manda G, Neagu M, Ilie M, Baconi DL, Oliveira AS, Ferreira LFV, published in RO-BOPI 3/30.03.2012

LISTA DE PROIECTE DE CERCETARE (SELECTIE)

Project/Research Program	Function	Duration
International projects		
AO-2017-IBER (ESA-HRE-UL-LE-0003) Redox signalling and the transcription factor NRF2 as therapeutic target for counteracting the deleterious effects of spaceflight environment, financed by ESA through the AO-IBER program. Partner: GSI Center for Heavy Ion Research, Germany	Scientific coordinator	2017-2021
POC P37_732, contract 29/2016 Knowledge transfer in redox biology for developing advanced molecular tools in neurodegenerative diseases - focus on the signature of Nrf2 transcription factor in diagnosis and therapy”, coordinated by Prof. Antonio Cuadrado (Autonomous University of Madrid, Spain)	Coordinator of cellular studies and representative of the project director in Romania	2016-2020
M-Era.NET (contract 52/2014) Advanced theranostic approach in cancer combining photodynamic therapy and nanoparticles – NANOTHER, coordinated by Prof. Luis Filipe Vieira Ferreira (Lisbon University, Portugal)	Leader of WP5 Preclinical study	2016-2019
COST Action CA15107 Multi-Functional Nano-Carbon Composite Materials Network-MultiComp, coordinated by Dr. Sharali MALIK (Karlsruhe Institute of Technology, Institute of Nanotechnology)	Vice-leader of WG3-Characterization, Health, Safety and Environment	2015-2019
COST Action BM1203 EU-ROS coordinated by Prof. Andreas DAIBER (University Medical Center Mainz, Germany)	Member of the management team	2012-2016
MNT-ERA NET (Ref 419) Tetrapyrrole nanostructures towards fluorescent molecular markers for biomedicine. Cooperation with Portugal (Instituto Superior Técnico – Technical University of Lisbon – Centro de Química-Física Molecular e Instituto de Nanociência e Nanotecnologia)	Investigator	2010-2012
Bilateral Cooperation Program Greece-Romania, nr. 7285/02 “Victor Babes” National Institute of Pathology, Romania, and National & Kapodistrian University of Athens, Greece 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, coordinated by Dr. Ourania Tsitsilonis (Kapodistrian University of Athens, Greece)	Investigator	2003-2005
Clinical trial 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	Investigator	2003-2005

European Social Fund “Human Resources”		
POSDRU/81/3.2/S/59497 Vocational and organizational training for immunological laboratory employees by implementing high tech and quality management-IMUNOLAB. Coordinator Prof. Victor Cristea; cooperation with the University of Goteborg	Teaching coordinator	2010-2013
POSDRU 81/3.2/S/58819 Professional formation system of the medical personnel in the field of new technologies applicable in the health system-TDM; coordinator Acad. Laurentiu M. Popescu	Partnership manager	2010-2013
POSDRU/89/1.5/S/141531 Development of human resources – PhD students and postdoctoral researchers-DPD (Dezvoltarea resurselor umane - doctoranzi si postdoctoranzi - pentru cercetare de excelenta in domeniile sanatare si biotehnologii-DPD), coordinator Acad. Laurentiu M. Popescu	Tutor	2014-2015
POSDRU/159/1.5/S/135760 Career profile: Romanian Researcher - CERO (Profil de Cariera: Cercetator Roman - CERO); coordinator: Conf. Dr. Ismail Gener	Tutor	2014-2015
National projects		
PN 19.29.02.02 A systems biology approach for developing new redox therapies for increasing the radiotherapy efficacy	Project coordinator	2019-2022
PCCDI 35 /2018 Genomic mapping of population from areas contaminated with radioisotopes and heavy metals aiming to increase national security (ARTEMIS)	Component project 3 coordinator	2018-2021
PCCDI 64/2018 Development of radiopharmaceuticals and nuclear techniques in oncology, for imagistic diagnosis and personalized treatment at molecular level (ONCORAD)	Component project 3 coordinator	2018-2021
PN 18.21.01.02 / 2018 Molecular signature of the transcription factor NRF2 – new therapeutic approaches for increasing radiotherapy efficacy in cancer	Project coordinator	2018
ELI-RO 13-ELI/2016 Development of the national technological platform for investigating the interaction of complex biological systems with space radiations in the context of ELI-NP / ABEL (ASTRO-BIO-ELI)	Scientific coordinator	2016-2019
RO-CERN E05/2014 Advanced technologic platform for preclinical studies on radiopharmaceuticals	Scientific coordinator	2014-2016
PN 16.22.03.03 Molecular networks connecting NLRP3 inflammasome and redox signaling in rheumatoid arthritis	Project coordinator	2016-2017
PN 09.33.02.07 TNF-alfa, TGF-beta, VEGF and EGFR - new biomarkers in molecular therapies in rheumatoid arthritis	Project coordinator	2013-2015
PNCDI2 CEEEX 61-018/2007 Novel nucleoside analogs potentially active in cancer therapy – from synthesis to cellular and molecular targets	Project coordinator	2007-2010
Viasan 229/2003 Immunomodulatory signals delivered <i>in vitro</i> by opioid receptors in rheumatoid arthritis	Project coordinator	2003-2005
Viasan 091/2001 Dynamic of functional cellular and molecular parameters of rheumatoid arthritis patients treated with inhibitors of nucleotide synthesis (leflunomide and methotrexate)	Project coordinator	2001-2004

CALIST 1087/ 2004 System of cellular immunology methods: validation and applications in toxicology and pharmacology	Project coordinator	2004-2006
PCCA 124/2014 The Th17 network - predictor of response to anti-TNF α therapy in rheumatoid arthritis	Partner co-director	2014-2016
PNCDI2 102/2012 Impact of feed co-contamination and mitigating solutions to increase feed safety, animal health and food quality	Partner co-director	2012-2015
PNCDI2 42-152/2008 New biological research and methods to assess early toxicity of immunosuppressant therapy in rheumatic diseases	Partner co-director	2008-2011
PNCDI2 52-122/2008 Security and quality of feeding stuffs and animal products by nutritional solutions for diminishing negative effects of mycotoxins, natural contaminants of farm animals and humans	Partner co-director	2008-2011
PNCDI2 61-037/2008 Development of a QSAR system for modeling the activity of anti-tumor and anti-rheumatic therapeutic agents in individualized therapies	Partner co-director	2007-2010
CEEX 36/2005 Radioactive compounds in molecular biology, pharmacology, and toxicology	Partner co-director	2005-2008
CEEX 27/2005 Psychosomatic changes in drug-addicts during substitution therapy	Partner co-director	2005-2008
CEEX 25/2005 Mycotoxins produced by Fusarium fungi and the food chain – new methods to characterize and prevent toxicity	Partner co-director	2005-2008
Biotech 378/2003 Modulation of apoptosis with biologically active substances in relation to oxidative stress and membrane processes	Partner co-director	2003-2005
Biotech 4745/2004 Studies regarding the signal transduction mechanisms of physiological cellular receptors: modulation with natural biologically active substances with therapeutic potential	Partner co-director	2003-2005