



Personal Information Geanina VOICU

 Institute of Cellular Biology and Pathology "Nicolae Simionescu", 050568 Bucharest (Romania)

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Gender Female | **Birth date** October 10, 1993 | **Nationality** Romanian

**Education and
formation**

2017-2022 PhD degree in Cellular and molecular Biology/ Biochemistry

Institute of Cellular Biology and Pathology "N. Simionescu", Romanian Academy, street B. P. Hasdeu, no. 8, postal code 050568, district 5, Bucharest

2015-2017 Master degree in Applied Genetics and Biotechnologies

Human and animal genomics, Plant genomics, Genetic Engineering, Genetic Analysis, Transcriptomics and proteomics, Reproductive genetics and assisted reproduction, Immunogenetics, Genetics of microorganisms with applications in biotechnology, Bioinformatics, Bioethics.

Department of Genetics, Faculty of Biology, Bucharest University

2012-2015 Bachelor degree in Biology

General chemistry, Biochemistry, Cellular biology, Animal anatomy and physiology, Histology and Embryology, Biophysics, Medical biology, Genetics, Bioinformatics, Microbiology, Immunology, Botany, Plant physiology, Ecology.

Department of Biology, Faculty of Biology, Bucharest University

2008-2012 Baccalaureate

Real Profile, specialization "Mathematics-Informatics"

National College "Mihai Viteazul", Bucharest

Professional experience

2023 (June)-present Scientific Researcher III at Institute of Cellular Biology and Pathology "Nicolae Simionescu" street B. P. Hasdeu, no. 8, postal code 050568, district 5, Bucharest, Romania

- design and execution of experiments
- elaboration of animal experiments and treatment schemes
- data analysis and interpretation
- collaboration in different research projects
- preparation of activity reports and scientific reports for ongoing projects
- participation in conferences and symposia

Sector Research

2019-2023 (June) **Scientific Researcher** at Institute of Cellular Biology and Pathology "Nicolae Simionescu" street B. P. Hasdeu, no. 8, postal code 050568, district 5, Bucharest, Romania

- design and execution of experiments
- elaboration of animal experiments and treatment schemes
- data analysis and interpretation
- collaboration in different research projects
- preparation of activity reports and scientific reports for ongoing projects
- participation in conferences and symposia

Sector Research

2016-2019 **Scientific Research Assistant** at Institute of Cellular Biology and Pathology "Nicolae Simionescu" street B. P. Hasdeu, no. 8, postal code 050568, district 5, Bucharest, Romania

- design and execution of experiments
- elaboration of animal experiments and treatment schemes
- data analysis and interpretation
- collaboration in different research projects
- preparation of activity reports and scientific reports for ongoing projects
- participation in conferences and symposia

Sector Research

Aptitudes and personal skills

Native language **Romanian**

Other languages
Auto evaluation
European level

English
French
Korean

	Understanding		Speaking		Writing
	Listening	Reading	Participating in the conversation	Oral Discuss	
	C1	C1	B2	B2	B2
	A2	A2	A2	A2	A2
	B1	B2	A2	A2	B2

Levels: A1 and A2: Beginner, B1 and B2: Intermediate, C1 and C2: Advanced

Aptitudes and social skills

- Effective communication within the working group resulted from working in the Medical and Pharmaceutical Bio nanotechnologies laboratory of ICBP-NS.
- Presentations at national and international conferences.
- Presentations at scientific seminars.

Aptitudes and organizational skills

- Ability to work independently, including planning and executing activities with minimal supervision.
- Skills in organizing tasks in a team and motivating colleagues.

- Aptitudes and technical skills**
- Technical expertise: experimental animal models – laparotomy, organ extraction and processing to obtain cryo-sections; optical and fluorescence microscopy on cell cultures and tissues; cell culture and cell transfection techniques; liposome synthesis; immunological techniques – ELISA, immunohistology and immunocytochemistry; techniques for electrophoresis – in agarose/PAGE for proteins and nucleic acids; molecular biology techniques – RNA/DNA isolation from cells/tissues, PCR, real-time PCR; microbiology – cloning and isolation of plasmids.
 - Competences in the centralization of scientific data and in the preparation of research reports and scientific paper.

Computer skills

AUTOEVALUATION				
Information processing	Communication	Content creation	Safety	Problem solving
Independent user	Independent user	Independent user	Independent user	Independent user

- Advanced knowledge in the use of Microsoft Office, GraphPad software.
- Advanced knowledge in the use of Applied Biosystems real-time PCR processing systems (ViiA7, Roche).
- Advanced knowledge in image editing and analysis (Image J software).
- Advanced knowledge in the use of the Internet.

- Artistical skills**
- Writing articles as an Honorary Reporter for Hallyu Archetypal Culture Delegation (HACD) from 2023.
 - Jeollanamdo Global SNS supporter from 2023.
 - Volunteer at NIA Project-Korean Speech Database Construction project for Learning Through AI in 2022.
 - Volunteer event promotion Kompasevent in 2022.
 - Writing articles as an Honorary Reporter for Korea.net from 2021.
 - Literature article reviews for Korea Literature Now in 2020.
 - Writing poetry in “Scriitorul” Journal from 2019.
 - Painting on glass.

Driving license No

Additional information

Specialization and courses

1. 9th International Lab Animal Course Crete FELASA, May-June 2023.
2. 1st Meeting of the AtheroNET COST Action, March 2023
3. Virtual Summer School of Flow Cytometry. Cytometry Association in Romania, Bucharest, December 14-15, 2020.
4. Summer School “Smart nanoparticles for targeted delivery of bioactive compounds: preparation, characterization and applications” in PN-III-P1-1.2-PCCDI-2017-0697 project. Polytechnic University in Bucharest and Institute of Cellular Biology and Pathology "Nicolae Simionescu", Bucharest, May 23-24, 2019.

Publication - **20 articles in ISI-indexed journals**

Conferences	- National and International conferences: 16
Projects	- Collaborator in 6 national Grant research projects
Awards	- 6 National Awards from UEFISCDI-Research results
Fellowships	- FEBS 47 th Congress – Young Scientist: 2023. - PhD Fellowship: Romanian Academy (SCOSAAR): 2017-2020.
Member of Scientific Organizations	- Romanian Society of Cell Biology - Romanian Society of Biochemistry and Molecular Biology
Scopus Index	- Hirsh Index: 9 , total number of citations = 306
Affiliation	- Institute of Cellular Biology and Pathology "Nicolae Simionescu", Bucharest
Invited Reviewer at	- International Journal of Molecular Sciences (from 2024). - Diagnostics (from 2023). - Life (from 2023). - Pharmaceutics (from 2023). - Journal of Pharmaceutical Research International (from 2021). - International Journal of Clinical and Experimentally Ophthalmology (from 2020).

ANEXES

1. List of ISI indexed articles

1. **Voicu G.**, Mocanu C.A., Safciuc F., Anghelache M., Deleanu M., Cecoltan S., Pinteala M., Uritu C.M., Droc I., Simionescu M., Manduteanu I., Calin M., Nanocarriers of shRNA-Runx2 directed to collagen IV as a nanotherapeutic system to target calcific aortic valve disease, *Materials Today Bio*, 20, **2023**, doi:10.1016/j.mtbio.2023.100620, **IF 10.761**.
2. **Voicu G.**, Rebleanu D., Mocanu C.A., Tanko G., Droc I., Uritu C.M., Pinteala M., Manduteanu I., Simionescu M., Calin M., VCAM-1 Targeted Lipopolyplexes as Vehicles for Efficient Delivery of shRNA-Runx2 to Osteoblast-Differentiated Valvular Interstitial Cells; Implications in Calcific Valve Disease Treatment, *International Journal of Molecular Sciences*, 23, 3824, **2022**, doi.org/10.3390/ijms23073824, **IF 6.009**.
3. **Voicu G.**, Rebleanu D., Constantinescu C.A., Fuior E.V., Ciortan L., Droc I., Uritu C.M., Pinteala M., Manduteanu I., Simionescu M., Calin M., Nano-Polyplexes Mediated Transfection of Runx2-shRNA Mitigates the Osteodifferentiation of Human Valvular Interstitial Cells, *Pharmaceutics*, 12, 507, **2020**, doi: 10.3390/pharmaceutics12060507, **IF 6.07**.
4. Brebu M., Pamfil D., Stoica I., Aflori M., **Voicu G.**, Stoleru E., Photo-crosslinked chitosan-gelatin xerogel-like coating onto “cold” plasma functionalized poly(lactic acid) film as cell culture support, *Carbohydrate Polymers*, 339, **2024**, doi:10.1016/j.carbpol.2024.122288, **IF 10.7**.
5. Anghelache M., **Voicu G.**, Deleanu M., Turtoi M., Safciuc F., Anton R., Boteanu D., Fenyo I.M., Manduteanu I., Simionescu M., Calin M., Biomimetic Nanocarriers of Pro-Resolving Lipid Mediators for Resolution of Inflammation in Atherosclerosis, *Advanced Healthcare Materials*, 13, 3, **2024**, doi:10.1002/adhm.202302238, **IF 10**.
6. Pelin I.M., Popescu I., Calin M., Rebleanu D., **Voicu G.**, Ionita D., Zaharia M.M., Constantin M., Fundueanu G., Tri-Component Hydrogel as Template for Nanocrystalline Hydroxyapatite Deposition Using Alternate Soaking Method for Bone Tissue Engineering Applications, *Gels*, 9, 905, **2023**, doi:10.3390/gels9110905, **IF 5**.
7. Movileanu C., Anghelache M., Turtoi M., **Voicu G.**, Neacsu I.A., Ficai D., Trusca R., Oprea O., Ficai A., Andronesu E., Calin M., Folic acid-decorated PEGylated magnetite nanoparticles as efficient drug carriers to tumor cells overexpressing folic acid receptor, *International Journal of Pharmaceutics*, 625:122064, **2022**, doi:10.1016/j.ijpharm.2022.122064, **IF 5.3**.
8. Turtoi M., Anghelache M., Patrascu A.A., Deleanu M., **Voicu G.**, Raduca M., Safciuc F., Manduteanu I., Calin M., Popescu D.-L., Antitumor Properties of a New Macrocyclic Tetranuclear Oxidovanadium(V) Complex with 3-

- Methoxysalicylidenevaline Ligand, *Biomedicines*, 10(6):1217, **2022**, doi:10.3390/biomedicines10061217, **IF 5.612**.
9. Fundueanu G., Constantin M., Turtoi M., Bucatariu S.-M., Cosman B., Anghelache M., **Voicu G.**, Calin M., Bio-Responsive Carriers for Controlled Delivery of Doxorubicin to Cancer Cells, *Pharmaceutics*, 14(4):865, **2022**, doi: 10.3390/pharmaceutics14040865, **IF 6.072**.
 10. Popescu I., Lupei M., Constantin M., **Voicu G.**, Calin M., Prisacaru A.I., Fundueanu G., Double cross-linked pectin beads stable in physiological environment as potential support for biomedical applications, *Journal of Polymer Research*, 28, 424, **2021**, doi.org/10.1007/s10965-021-02779-5, **IF 3.097**.
 11. Mocanu C.A., Fuior E.V., Voicu G., Rebleanu D., Safciuc F., Deleanu M., Fenyó I.M., Escriou V., Manduteanu I., Simionescu M., Calin M., P-selectin targeted RAGE-shRNA lipoplexes alleviate atherosclerosis-associated inflammation, *Journal of Controlled Release*, 338, 754–772, **2021**, doi: 10.1016/j.jconrel.2021.09.012, **IF 10.009**.
 12. Turtoi M., Anghelache M., Bucatariu S.M., Deleanu M., Voicu G., Safciuc F., Manduteanu I., Fundueanu G., Simionescu M., Calin M., A novel platform for drug testing: Biomimetic three-dimensional hyaluronic acid-based scaffold seeded with human hepatocarcinoma cells, *International Journal of Biological Macromolecules*, 185, 604 – 619, **2021**, doi: 10.1016/j.ijbiomac.2021.06.174, **IF 7.71**.
 13. Fuior E.V., Mocanu C.A., Deleanu M., Voicu G., Anghelache M., Rebleanu D., Simionescu M., Calin M., Evaluation of VCAM-1 Targeted Naringenin/Indocyanine Green-Loaded Lipid Nanoemulsions as Theranostic Nanoplatfroms in Inflammation, *Pharmaceutics*, 12, 1066, **2020**, doi: 10.3390/pharmaceutics12111066, **IF 6.07**.
 14. Filippi A., Constantin A., Alexandru N., Voicu G., Constantinescu C.A., Rebleanu D., Fenyó M., Simionescu D., Simionescu A., Manduteanu I., Georgescu A., Integrins $\alpha 4\beta 1$ and $\alpha V\beta 3$ are Reduced in Endothelial Progenitor Cells from Diabetic Dyslipidemic Mice and May Represent New Targets for Therapy in Aortic Valve Disease, *Cell Transplantation*, 29, **2020**, doi: 10.1177/0963689720946277, **IF 4.064**.
 15. Tucureanu M.M., Filippi A., Alexandru N., Constantinescu C.A., Ciortan L., Macarie R., Vadana M., **Voicu G.**, Frunza S., Nistor D., Simionescu A., Simionescu D.T., Georgescu A., Manduteanu I., Diabetes-induced early molecular and functional changes in aortic heart valves in a murine model of atherosclerosis, *Diabetes and Vascular Disease Research*, 16(6), 562-576, **2019**, doi: 10.1177/1479164119874469, **IF 2.707**.
 16. Fuior E.V., Deleanu M., Constantinescu C.A., Rebleanu D., **Voicu G.**, Simionescu M., Calin M., Functional Role of VCAM-1 Targeted Flavonoid-Loaded Lipid Nanoemulsions in Reducing Endothelium Inflammation, *Pharmaceutics*, 11(8):391, **2019**, doi: 10.3390/pharmaceutics11080391, **IF 4.65**.
 17. Constantinescu C.A., Fuior E.V., Rebleanu D., Deleanu M., Simion V., **Voicu G.**, Escriou V., Manduteanu I., Simionescu M., Calin M., Targeted Transfection Using PEGylated Cationic Liposomes Directed Towards P-Selectin Increases siRNA Delivery into Activated Endothelial Cells, *Pharmaceutics*, 11, 47, **2019**, doi: 10.3390/pharmaceutics11010047, **IF 4.74**.
 18. Filippi A., Alexandru N., **Voicu G.**, Constantinescu C.A., Tucureanu M., Rebleanu D., Fenyó M., Simionescu D., Simionescu A., Manduteanu I., Georgescu A., Early Diabetes Induces Alterations in Endothelial Progenitor Cell Phenotype and Homing in Mice Susceptible to Atherosclerosis, *Atherosclerosis*, 287, e97, **2019**, doi: 10.1016/j.atherosclerosis.2019.06.281, **IF 3.919**.
 19. Rebleanu D., Gaidau C., **Voicu G.**, Constantinescu C. A., Mansilla Sanchez, C., Rojas T. C., Carvalho S., Calin M., The impact of photocatalytic Ag/TiO₂ and Ag/N-TiO₂ nanoparticles on human keratinocytes and epithelial lung cells, *Journal of Toxicology*, 416, 30-43, **2019**, doi: 10.1016/j.tox.2019.01.013, **IF 1.89**.
 20. Tucureanu M.M., Rebleanu D., Constantinescu C.A., Deleanu M., **Voicu G.**, Butoi E., Calin M., Manduteanu I., LPS-induced inflammation in monocytes/macrophages is blocked by liposomal delivery of Gi proteins inhibitor, *Journal of Nanomedicine*, 13, 63-76, **2018**, doi: 10.2147/IJN.S150918, **IF 4.471**.

2. Patent

1. OSIM application no A/00811, inventors Calin M., Rebleanu D., Constantinescu C.A., **Voicu G.**, Deleanu M., Manduteanu I.: „Method for obtaining nanocarriers used for RNA interference vectorization and targeted delivery to aortic valve cells”.

3. Posters and oral presentations at international scientific conferences –principal author

1. **Voicu G.**, Safciuc F., Anghelache M., Deleanu M., Anton R., Boteanu D., Simionescu M., Manduteanu I., Calin M., A Targeted Nanotherapy to Block the Progression of Calcific Aortic Valve Disease: Nanocarriers of shRNA-RUNX2 Directed to Collagen IV, The 40th Annual Scientific Session of the Romanian Society of Cell Biology with international participation, Bucharest, Romania, 16-17 November 2023.
2. **Voicu G.**, Anghelache M., Deleanu M., Turtoi M., Safciuc F., Manduteanu I., Simionescu M., Calin M., Design of dual-targeted lipid nanoemulsions for vascular delivery of specialized pro-resolving lipid mediators in atherosclerosis, The 39th Annual Scientific Session of the Romanian Society of Cell Biology with international participation, Cluj-Napoca, Romania, 21-23 October, 2022.

3. **Voicu G.**, Anghelache M., Deleanu M., Turtoi M., Safciuc F., Calin M., Dual targeted lipid nanoemulsions for vascular delivery of specialized pro resolving lipid mediators in atherosclerosis, 24th International Conference, Materials, Methods & Technologies, Burgas, Bulgaria, 19-22 August 2022.
4. **Voicu G.**, Turtoi M., Anghelache M., Bucatariu S.M., Deleanu M., Safciuc F., Manduteanu I., Fundueanu G., Simionescu M., Calin M., A three-dimensional hyaluronic acid-based scaffold seeded with human cancer cells functions as a suitable platform for antitumoral drug screening, International Conferences & Exhibition on Nanotechnologies, Organic Electronics & Nanomedicine, Thessaloniki, Greece, 3-10 July, 2021.
5. **Voicu G.**, Rebleanu D., Fuior E.V., Mocanu C.A., Anghelache M., Turtoi M., Safciuc F., Manduteanu I., Simionescu M., Calin M., VCAM-1 targeted lipopolyplexes carrying Runx2-shRNA mitigate the osteodifferentiation of 3D-cultured human valvular interstitial cells, The 42nd Anniversary Symposium of the "Nicolae Simionescu" Institute of Cellular Biology and Pathology and the 38th Annual Scientific Session of the Romanian Society of Cellular Biology with international participation, Bucharest, Romania, 4-6 November, 2021.
6. **Voicu G.**, Constantinescu C.A., Rebleanu D., Simionescu A., Simionescu M., Manduteanu I., Calin M., High glucose concentrations potentiate the induction of osteoblast phenotype of valvular interstitial cells exposed to osteogenic factors, The 11th National Congress with international participation and 37th Annual Scientific Session of the Romanian Society of Cell Biology, Constanța, Romania, 20-23 June, 2019.
7. **Voicu G.**, Constantinescu C.A., Rebleanu D., Simionescu A., Simionescu M., Manduteanu I., Calin M., Polyplexes carrying a shRNA plasmid down regulate the transcription factor Runx2 in valvular interstitial cells exposed to high glucose concentrations and osteogenic factors, EuroSciCon Conference on Nanotechnology and Smart Materials, Prague, Czech Republic, 08-10 July, 2019.
8. **Voicu G.**, Constantinescu C.A., Rebleanu D., Fuior E.V., Deleanu M., Tucureanu M., Butoi E., Manduteanu I., Escriu V., Simionescu M., Calin M., P-selectin targeted lipopolyplexes carrying a shRNA plasmid to silence receptor for advanced glycation end products decrease monocyte adhesion to activated endothelial cells, The 10th National Congress with international participation and 36th Annual Scientific Session of the Romanian Society of Cell Biology, Craiova, Romania, 6-9 June, 2018.

4. Posters at international scientific conferences - co-author

1. Anghelache M., **Voicu G.**, Deleanu M., Turtoi M., Safciuc F., Anton R., Boteanu D., Manduteanu I., Simionescu M., Calin M., Macrophage Membranes-Functionalized Lipid Nanoemulsions as Promising Carriers of Pro-Resolving Lipid Mediators to Atherosclerotic Lesions, The 40th Annual Scientific Session of the Romanian Society of Cell Biology with international participation, Bucharest, Romania, 16-17 November 2023.
2. Anton R., Anghelache M., **Voicu G.**, Boteanu D., Safciuc F., Calin M., Obtaining Mouse Models of Cardiac Fibrosis Using Isoproterenol and Angiotensin II Administration, The 40th Annual Scientific Session of the Romanian Society of Cell Biology with international participation, Bucharest, Romania, 16-17 November 2023.
3. Boteanu D., Anghelache M., Deleanu M., **Voicu G.**, Anton R., Calin M., Synthesis And Characterization of Nucleolin-Targeted Nanoparticles Loaded with Dexamethasone for the Treatment of Vascular Inflammation, The 40th Annual Scientific Session of the Romanian Society of Cell Biology with international participation, Bucharest, Romania, 16-17 November 2023.
4. Anghelache M., Deleanu M., Turtoi M., **Voicu G.**, Calin M., Development of biomimetic nanocarriers for delivery of specialized pro-resolving lipid mediators (SPMs) to atherosclerotic plaque, 24th International Conference, Materials, Methods & Technologies, Burgas, Bulgaria, 19-22 August 2022.
5. Rebleanu D., **Voicu G.**, Constantinescu C.A., Ciortan L., Macarie R.D., Vadana M., Simionescu A., Manduteanu I., Calin M., Smad3 silencing inhibits EndMT transition in valvular endothelial cells exposed to high glucose and osteogenic factors, EuroSciCon Conference on Nanotechnology and Smart Materials, Prague, Czech Republic, 08-10 July, 2019.
6. Rebleanu D., **Voicu G.**, Constantinescu C.A., Ciortan L., Simionescu A., Manduteanu I., Calin M., High glucose concentrations and TGF- β 1 induce endothelial to mesenchymal transition in valvular endothelial cells, The 11th National Congress with international participation and 37th Annual Scientific Session of the Romanian Society of Cell Biology, Constanța, Romania, 20-23 June, 2019.
7. Constantinescu C.A., Rebleanu D., **Voicu G.**, Ciortan L., Cecoltan S., Simionescu D., Simionescu A., Manduteanu I., Calin M., VCAM-1 targeted nanoparticles are specifically internalized by high glucose-activated valvular endothelial cells cultured in a dynamic 3D bioreactor, The 11th National Congress with international participation and 37th Annual Scientific Session of the Romanian Society of Cell Biology, Constanța, Romania, 20-23 June, 2019.
8. Rebleanu D., Constantinescu C.A., **Voicu G.**, Deleanu M., Gaidau C., Ignat M., Petica A., Calin M., Effects of Ag/TiO₂ and Ag/N-TiO₂ nanoparticles on human lung epithelial cells, International Conference on Nanotechnologies and Bionanoscience, Heraklion, Crete, 24-28 September, 2018.
9. Fuior E.V., Deleanu M., **Voicu G.**, Rebleanu D., Constantinescu C.A., Safciuc F., Simionescu M., Calin M., Preparation and characterization of endothelium-targeted flavonoid-loaded lipid Nanoemulsions, The 10th

National Congress with international participation and 36th Annual Scientific Session of the Romanian Society of Cell Biology, Craiova, Romania, 6-9 June, 2018.

10. Constantinescu C.A., Fuior E.V., Rebleanu D., **Voicu G.**, Deleanu M., Tucureanu M., Butoi E., Manduteanu I., Escriou V., Simionescu M., Calin M., Downregulation of receptor for advanced glycation end products in the aorta of ApoE deficient mice using P-selectin targeted RAGE shRNA lipoplexes, The 10th National Congress with international participation and 36th Annual Scientific Session of the Romanian Society of Cell Biology, Craiova, Romania, 6-9 June, 2018.
11. Rebleanu D., **Voicu G.**, Constantinescu C.A., Deleanu M., Gaidau C., Ignat M., Petica A., Calin M., The effect of Ag-TiO₂/Ag-N-TiO₂ nanoparticles on intracellular signaling pathways in human lung epithelial cells, The 10th National Congress with international participation and 36th Annual Scientific Session of the Romanian Society of Cell Biology, Craiova, Romania, 6-9 June, 2018.

5. Other congresses, specializations and courses

1. The 7th Session of the Games of Science workshop. 20-21 April, 2023
2. The 14th National Flow Cytometry Congress. 24-26 November, 2021
3. Virtual Conference Oncohub. 13-15 October, 2021.
4. The 18th International Conference on Nanosciences and Nanotechnologies (NN21). 6-9 July, 2021.
5. Virtual School of Flow Cytometry. 14-15 December, 2020.
6. ESC Virtual Webinar Series-Diabetes. 18 December, 2020.
7. The 13th National Flow Cytometry Congress. 16-18 December, 2020.
8. The 13th National Pathology Symposium "Victor Babeș". 5-7 November, 2020.
9. ESC Virtual Webinar Series-Diabetes. 6 November, 2020.
10. The 88th Virtual Congress of the European Atherosclerosis Society. 04-07 October, 2020.
11. Summer School "Smart nanoparticles for targeted delivery of bioactive compounds: preparation, characterization and applications" in PN-III-P1-1.2-PCCDI-2017-0697 project. 23-24 May, 2019.
12. The 12th Central and Eastern European Proteomics Conference. 24-26 October, 2018.

6. National awards UEFISCDI

1. **Voicu G.**, Rebleanu D., Constantinescu C.A., Fuior E.V., Ciortan L., Droc I., Uritu C.M., Pinteala M., Manduteanu I., Simionescu M., Calin M., Nano-Polyplexes Mediated Transfection of Runx2-shRNA Mitigates the Osteodifferentiation of Human Valvular Interstitial Cells, **Pharmaceutics**, 12, 507, 2020, doi: 10.3390/pharmaceutics12060507. Articol premiat în 2020 de UEFISCDI.
2. Mocanu C.A., Fuior E.V., **Voicu G.**, Rebleanu D., Safciuc F., Deleanu M., Fenyo I.M., Escriou V., Manduteanu I., Simionescu M., Calin M., P-selectin targeted RAGE-shRNA lipoplexes alleviate atherosclerosis-associated inflammation, **Journal of Controlled Release**, 338, 754-772, 2021, doi: 10.1016/j.jconrel.2021.09.012. Articol premiat în 2021 de UEFISCDI.
3. Turtoi M., Anghelache M., Bucatariu S.M., Deleanu M., **Voicu G.**, Safciuc F., Manduteanu I., Fundueanu G., Simionescu M., Calin M., A novel platform for drug testing: Biomimetic three-dimensional hyaluronic acid-based scaffold seeded with human hepatocarcinoma cells, **International Journal of Biological Macromolecules**, 185, 604 – 619, 2021. Articol premiat în 2021 de UEFISCDI.
4. Fuior E.V., Mocanu C.A., Deleanu M., **Voicu G.**, Anghelache M., Rebleanu D., Simionescu M., Calin M., Evaluation of VCAM-1 Targeted Naringenin/Indocyanine Green-Loaded Lipid Nanoemulsions as Theranostic Nanoplatforms in Inflammation, **Pharmaceutics**, 12, 1066, 2020, doi: 10.3390/pharmaceutics12111066. Articol premiat în 2021 de UEFISCDI.
5. Filippi A., Constantin A., Alexandru N., **Voicu G.**, Constantinescu C.A., Rebleanu D., Fenyo M., Simionescu D., Simionescu A., Manduteanu I., Georgescu A., Integrins $\alpha 4 \beta 1$ and $\alpha V \beta 3$ are Reduced in Endothelial Progenitor Cells from Diabetic Dyslipidemic Mice and May Represent New Targets for Therapy in Aortic Valve Disease, **Cell Transplantation**, 29, 2020, doi: 10.1177/0963689720946277. Articol premiat în 2020 de UEFISCDI.
6. Fuior E.V., Deleanu M., Constantinescu C.A., Rebleanu D., **Voicu G.**, Simionescu M., Calin M., Functional Role of VCAM-1 Targeted Flavonoid-Loaded Lipid Nanoemulsions in Reducing Endothelium Inflammation, **Pharmaceutics**, 11(8):391, 2019, doi: 10.3390/pharmaceutics11080391. Articol premiat în 2019 de UEFISCDI.

7. Collaborator in National Grant research projects

1. **2023-2026:** PNRR-III-C9-2022-I8 – “Novel nanotherapeutic strategies targeting mechanisms involved in fibroblast-myofibroblast transition for the treatment of cardiac fibrosis” (Heartcure), Project director: Dr. Bilyy Rostyslav
2. **2021-2023:** PN-II-P4-ID-PCE-2020-2465 - „Targeted therapy based on biomimetic nanocarriers for the resolution of inflammation in atherosclerosis” (NANORES), Project director: Dr. Manuela Călin
3. **2018-2022:** PN-III-P4-ID-PCCF-2016-0050 - „Mimicking the mechanisms of life through supramolecular chemistry approaches, in five dimensions”, Project director: Dr. Aatto Laaksonen
4. **2018-2020:** 13PCCDI/2018 - „Smart therapies for non-communicable diseases based on the controlled release of pharmacological compounds from encapsulated cells after genetic manipulation or vectored bio nanoparticles” (INTERA), Project director: Acad. Maya Simionescu
5. **2017-2020:** POC/61/1/2 - „Targeted therapies for aortic valve disease in diabetes” (THERAVALDIS), Project director: Dr. Agneta Simionescu
6. **2017:** PN-II-RU-TE-2014-4-1837 - „Endothelial-Targeted Nanotherapies Designed for Receptor for Advanced Glycation Products (RAGE) Silencing in Atherosclerosis”, Project director: Dr. Manuela Calin