



C.1 CURRICULUM VITAE

Personal information:

First name, Surname:	Ioana Berindan-Neagoe
Sex and Nationality:	Female/ Romanian
Researcher unique identifier(s) (ORCID, Researcher ID etc.)	https://orcid.org/0000-0001-5828-1325 U-1700-038K-7681
Official email/ URL for personal website (if case):	ioana.neagoe@umfcluj.ro ; https://umfcluj.ro/cercetare/centrul-cercetare-genomica/

Education:

Year	Faculty/department – University/institution – Country
1980	High School Diploma, Natural Sciences Lyceum, Cluj-Napoca, Romania
1985	Faculty of Chemistry and Chemical Engineering, Babes-Bolyai, University Cluj-Napoca, Romania.
2002	PhD in Chemistry, Babes-Bolyai University, Cluj-Napoca, Romania. Title of thesis: “The Role of Cell Adhesion Molecules in Oncology”.
2014	Fulbright Fellow – MD Anderson Cancer Center, University of Texas, Houston, USA

Positions – current and previous:

(Academic sector/research institutes/industrial sector/public sector/other)

Year	Job title – Employer – Country
2015 - date	Professor Medical Biotechnology, Doctoral School, – University of Medicine and Pharmacy “Iuliu Hatieganu”, Cluj-Napoca – Romania
2010 - 2024	Head of The Research Center for Functional Genomics, Biomedicine and Translational Medicine– University of Medicine and Pharmacy “Iuliu Hatieganu”, Cluj-Napoca – Romania
2016-2020	Head of The Research Center for Advanced Medicine– University of Medicine and Pharmacy “Iuliu Hatieganu”, Cluj-Napoca – Romania
2014-2016	Visiting Professor, Department of Experimental Therapeutics, MD Anderson Cancer Center, University of Texas, Houston, USA
2012 - 2020	Head of The Department of Research and Development- University of Medicine and Pharmacy “Iuliu Hatieganu”, Cluj-Napoca – Romania
2009 - 2022	Scientific Director - the Oncology Institute “Prof Dr. Ion Chiricuta” – Cluj-Napoca, Romania
2006 - 2015	Lecturer- Immunology and Allergology Department – Faculty of Medicine, University of Medicine and Pharmacy “Iuliu Hatieganu”, Cluj-Napoca – Romania
2000	Visiting Professor, Department of Biochemistry – Universite D’Orleans, Orleans, France

1997 - 2022	Head of the Functional Genomics, Proteomics and Experimental Pathology Department- the Oncology Institute “Prof Dr. Ion Chiricuta” – Cluj-Napoca, Romania
1990 - 1997	Researcher, Functional Genomics, Proteomics and Experimental Pathology Department- the Oncology Institute “Prof Dr. Ion Chiricuta” – Cluj-Napoca, Romania

International specializations

August 2014 - August 2015 - **Fullbright Scholarship** – Senior Award, The University of Texas MD Anderson Cancer Center, Texas, SUA

November 2006 - Mai 2007, August- September 2007 - **Project Evaluator Project Management Research** - Dana Farber Cancer Institute to Harvard Medical School, Boston, USA

April, 1st – April, 15th, 2004 - **International Course: Biotechnology Internship at AACR**, Los Angeles - Anaheim, USA

March – April, 2002 - **CHI Molecular Medicine**, San Francisco , Santa Clara, USA

April 15th, 2000 – May 15th, 2000 - **Molecular biology**, Institut Goustave Roussy, Villejuif, France

July, 1999- **International Course: Biomembranes and Molecular medicine**, Cluj-Napoca, România

September 1st, 1993 – September 7th, 1993 - **Proficiency in Invasion and Metastasis**, University of Ghent, Belgium

March 29th, 1993 - July 1st, 1993 - **Molecular biology, genetics and physiologic chemistry – Tempus scholarship** , University Faculty Notre Dame de la Paix , Namur, Belgium

September 1st, 1990 - October 1st, 1990 - **Upgrading Scholarship Cell and Molecular Biology**, Institut Pasteur, Paris, France

Patents

1. A system of nanoparticle based on recombinant plasmid DNA for prophylaxis of SARS-CoV-2 coronavirus infection” Sistem de nanoparticule bazate pe ADN plasmidial recombinant pentru profilaxia infecției cu coronavirusul SARS-CoV-2 ”, inventors Sergiu Chira, Ioana Cornelia Stanca Neagoe and Cosmin-Andrei Cismaru Registration Patent Number A00296/28.05.2020
2. „A biological-based hybrid viral tumor-targeted vector for restoring the normal genotype of tumor supressor gene TP53 in malignant cells”Sergiu Chira, Ioana Cornelia Stanca Neagoe și Diana Gulei. Registration Patent Number A000642/10.10.2019
3. Test for non-invasive molecular diagnosis of bladder cancer, by determining two microRNA molecules i.e. hsa-miR-1-3p and hsa-miR-6785-5p in blood samples, while using artificial intelligence in form of decision trees - Floares A, Fersigan M, Neagoe I, Braicu C, Petric R, Derwent Primary Accession Number: 2019-29111T, patent number RO132683-A2 (RO000984) 2016.
4. MULTI-TARGETED METHOD FOR INDUCING APOPTOSIS IN TRIPLE-NEGATIVE BREAST TUMOUR CELLS, Patent Number(s): RO130401-A2, Inventor(s): BRAICU C, PILECZKI V, NEAGOE I S, IRIMIE A, Derwent Primary Accession Number: 2015-46494X
5. Method for predicting response to radiochemotherapy in cervical cancer by studies of functional genomics - Alexandru I, Balacescu L O, Balacescu O D,

Neagoe I, Patent Number(s):RO128780-A2 (RO001378), 2011 patent no 128780 / 26.02.2016.

6. Non-invasive method for detecting prostate cancer, based on the study of a set of genes involved in the angiogenesis mechanism - Balacescu O D, Neagoe I, Balacescu L O, Patent Number(s):RO127528-A2 (RO001192), 2010.
7. Intelligent clinical decision support system for breast cancer diagnosis by non-invasive methods based on artificial intelligence - Balacescu O D, Berindan N I, Floares G A, Irimie A Patent Number(s):RO128066-A2 (RO001327), 2010.

**Organizer / Co-organizer
of international and
national conferences**

1. **May 23-24th, 2023** International Conference Borderless Biomedicine 2nd Edition – Iuliu Hatieganu University of Medicine and Pharmacy
2. **December 10-11th, 2020** - Conference Borderless Biomedicine 1st Edition – Iuliu Hatieganu University of Medicine and Pharmacy
3. **November 13, 2020 -AACR’s Global Scholar-in-Training Awardees Attend the 2020 Virtual Annual Meeting II**
4. **June 20th - 22nd, 2019** - Days of The Oncology Institute Prof. Dr. I. Chiricuța, Cluj Napoca, România.
5. **April 13th, 2017-** Medical Imaging-Standardization and its Impact on Patient Care
6. **October 28th, 2016** - Research Bridges – The Confluence In Scientific Quality, Cluj Napoca, Romania – Prof Dr. George A Călin – MD Anderson, SUA
7. **June 12th, 2014** - OECI 2014 - Oncology Days, Cluj Napoca, Romania
8. **Iunie 13th-14th, 2014** - Days of the Oncological Institute Prof.Dr. I.Chiricuța, Cluj Napoca, Romania
9. **November 7th- 9th, 2012** - How To Write A Success Paper In Impact Factor Journals, Cluj- Napoca, Romania (organizing committee)
10. **November 2nd-3rd , 2012** - French-Romanian Hematologic Workshop: second edition: Lymphoma, Leukemia, Myeloma (organizing committee)
11. **September 10th-12th, 2012** - International Workshop Molecular Profiling And Innovation In Cancer, Cluj- Napoca, Romania (organizing committee)
12. **April 20th, 2012-** Molecular Pathobiology – short Course, Cluj-Napoca, Romania (organizing committee)
13. **April 18th - 20th, 2012** - ESO-OECI Course Cancer Molecular Pathobiology In The Clinics: Highlights, Cluj-Napoca, Romania (organizing committee)
14. **September 7th-9th, 2011** - Second International Congress on Comparative Oncology, Neptun, Romania (organizing committee, chairman)
15. **September 1st-3rd, 2011-** Franco-Roman Workshop - Chronic Myeloproliferative Diseases and Chronic Diseases, Cluj-Napoca, Romania

(organizing committee)

16. **April 28th-30th, 2010**- International Conference The Pathobiology And Molecular Biology Of Tumors, Cluj- Napoca, Romania (organizing committee)
17. **October 22th-24th, 2009** - The 19th Congress of the Romanian Society of Radiotherapy and Medical Oncology, Cluj-Napoca, Romania (scientific committee)
18. **October 24th-25th, 2008** - OECI Pathobiology Workshop: Cluj-Napoca, Romania (organizing committee)
19. **December 5th-6th, 2007** - Functional Genomics Studies and Their Validation in Cancer Diagnosis And Therapy - Bioethical Conditions and European Legislation Pathcero, Cluj-Napoca, Romania (organizing committee)
20. **November 27th - 28th, 2007** - Workshop - Functional Genomics in Cancer Biology and Therapy - BIOGENERO, Cluj-Napoca, Romania (organizing committee)
21. **May 28th-31st, 2007** - European Conference - Functional Genomics in Cancer Biology and Therapy - European Perspectives - Oncological Institute "Prof. Dr. I. Chiricuța "Cluj-Napoca, Romania (organizing committee)
22. **July 2nd-12th, 2006** - International Summer School - Biogenero, Oncological Institute "Prof. Dr. I. Chiricuța "Cluj-Napoca, Romania (organizing committee)

Project management experience:

(Academic sector/research institutes/industrial sector/public sector/other. Please list the most relevant)

1. D-CARE “Developing, piloting and validating smart care models in Danube region for supporting social innovation, improving competences and entrepreneurship“ UMF (2020 – 2022)
PROJECT COORDINATOR
2. POC/398/1/1 - ID 125371 – “Increasing the research capacity of UMF Iuliu Hațieganu Cluj Napoca, by developing a CLOUD type infrastructure connected to global information resources”- CYRUS, **PROJECT MANAGER**, UMF, (2020-2021)
3. H2020-MSCA-RISE-2019- Grant Agreement no.: 872391 – “DevelOpmeNt of Cancer RNA TherapEutic” – cONCreTE, **PROJECT MANAGER**, UMF, (2019-2023)
4. H2020-MSCA-RISE-2018 ctr no 824036 - Excellence in research and development of non-coding RNA DIAGnostics in Oncology – RNADIAGON, **PROJECT MANAGER**, UMF, (2018-2023)
5. PNRR-III-C9-2022-I8- 83 ctr. 760066/ 23.05.2023 Lung Squamous Cell Carcinoma Therapeutic Targets Using Systems Level Machine Learning Based On Single Cell RNA Sequencing- Project Coordinator: Bender Andreas - 03.07.2023 30.06.2026; **SCIENTIFIC COORDINATOR UMF**

6. PNRR-III-C9-2022-I8- 81 ctr 760067/ 23.05.2023 Decoding the immuno-inflammatory axis in rare non-medullary thyroid cancer as an innovative approach for novel combinatory therapeutic approaches Project Coordinator: Netea Maier Romana Teodora 03.07.2023 30.06.2026; **SCIENTIFIC COORDINATOR UMF**
7. H2020-FETFLAG-2018-2020-ctr.nr 820431- Revolutionizing Healthcare by Tracking and Understanding Human Cells during Disease LifeTime, **PROJECT MANAGER**, UMF, (2019-2020)
8. CNFIS-FDI (CNFIS-FDI-2019-0666), “Sustenance and valorification of research of excellence in the domain of personalized medicine by internationalization and increasement of research activities visibility”, **PROJECT DIRECTOR**, UMF, (2019)
9. PN-III-P1-1.2-PCCDI2017-0737, “Genomic population mapping of radioactively and heavy metals contaminated areas in order to increase national security”, ARTEMIS, **PROJECT DIRECTOR**, UMF, (2018-2020)
10. PN-III-P1-1.2-PCCDI-2017-0782, “Innovative advanced approaches to predictive regenerative medicine”, REGMED, **PARTNERSHIP PROJECT MANAGER**, IOCN, (2018-2020)
11. PN-III-P4-ID-PCE-2016-0795, “Addressing the complex exposome profile in hormone-dependent cancers of the breast and prostate and its influence on tumoral genome”, ACHILLE, **PROJECT DIRECTOR**, UMF, (2017-2019)
12. H2020-WIDESPREAD-2016-2017- ID 763560, “Teaming Phase1 Romanian Centre of Excellence for Systems Immunology”, ROCSI, **PROJECT DIRECTOR**, UMF, (2017-2018)
13. POC-P_37_796, “Clinical and economic impact of personalized targeted therapies with anti - microARN in reconverting resistance of malignant lung tumors”, CANTEMIR, **PROJECT EXECUTIVE DIRECTOR**, UMF, (2016-2020)
14. PN-II-CT-RO-ZA-2014 – 1 ctr.7 BM/2016, “Use of new nanogold materials as delivery systems for modulation of MCL-1/p53 siRNA in ALL” **PROJECT DIRECTOR**, IOCN, (2016-2017)
15. American International School of Bucharest, Nr. Contract 1110/23.07.2015, “MicroRNAs biomarkers of response to chemotherapy and overall survival in colon cancer”, **PROJECT DIRECTOR**, UMF Principal investigator, (2016-2017)
16. SEE-027 - 1 / 25.06.2015, “Innovative Nanoparticles-based Chemotherapy for Acute Myeloid Leukemia”, **PARTNERSHIP PROJECT MANAGER**, IOCN, (2015- 2016)
17. ESR-14-10102/17.10.2014 (Astra Zeneca), “BRCA1 and BRCA2 mutation analysis in Romanian population: a study of genotype-phenotype correlation at diagnosis with prospective disease outcome and survival”, **PROJECT COORDINATOR**, UMF, (2014-2016)
18. PN-III-P1-1.1-MCD-2016-0049, “MCD Mobility projects for researchers with experience from diaspora”, **RESPONSIBLE HOST INSTITUTION**, UMF, (2016)
19. POSCCE 2014 ID proiect 1946 “Development of integrated research infrastructure for advanced medicine and translational medicine in order to increase the scientific competitiveness from the international level in health domains”, MedFUTURE, Project Director: Prof.Dr. Alexandru Irimie, **SCIENTIFIC COORDINATOR**, UMF, (2014 -2015)
20. PN-II-PT-PCCA-2013-4-2166 ctr ctr. 128/2014, “New strategies for improving cancer patient’s quality of life and survival: molecular and clinical studies of cancer genome using depleted deuterium water model”, GenCanD, **PROJECT DIRECTOR**, UMF, (2014-2017)
21. PN-II-PT-PCCA-2011-3.2-1328 ctr 96/2012, “ Analysis of microRNA biomarkers as predictive values for cervical cancer treatment, in relationship with environmental exposure to arsenic, phthalates and ETS - Cervical-arsen-array”, **PARTNERSHIP PROJECT MANAGER**, UMF, (2012-2016)

22. PN-II-PT-PCCA-2011-3.1-1221 ctr 125/2012- “Intelligent Systems for Recurrence and Progression Prediction in Superficial Bladder Cancer based on Artificial Intelligence and Microarray Data: tumor mRNA and plasma microRNA – IntelUro”, **PARTNERSHIP PROJECT MANAGER**, UMF (2012-2016)
23. POSDRU /81/3.2/S/58819 - “System of training medical staff in new technologies in the healthcare system (molecular diagnostics)– TDM”, **PARTNERSHIP PROJECT MANAGER**, IOCN, (2010-2013)
24. POSCEE 2010 nr. 709/12683 Ctr 228/06.08.2010 - “Clinical and economic impact of proteome and transcriptome molecular profiling in neoadjuvant therapy of triple-negative breast cancer”, BREASTIMPACT, Project Director UMF: Prof.DR.Vladimir Lazar, **SCIENTIFIC COORDINATOR**, UMF (2010-2014)
25. PN II- MC 22/2008 - “Multiplex laser-based microarray angiogenesis profiling for detection of ovarian cancer”, **PROJECT DIRECTOR**, UMF, (2008)
26. PN II- Workshop 2008- WE -42/2008 - “Principles and applications of functional genomics in cancer biology and therapy”, **PROJECT DIRECTOR**, UMF, 2008
27. Parteneriate 2008 ctr. 42-112/2008 – “Conditional gene therapy hepatocarcinom nanotechnology”, NANOGEN, Project Director UMF Dr.Graur Florin, **PARTNER PROJECT MANAGER**, IOCN, (2008-2011)
28. Parteneriate 2008 ctr 42-160/2008 – “The identification of the transcriptomic molecular profiles in advanced stage cervical cancer using functional genomic studies”, CERVIX-ARRAY, Project Director IOCN: **PARTNER PROJECT MANAGER**, UMF, (2008-2011)
29. Parteneriate 2007 ctr. 41-010/2007 – “Improvement of early diagnosis and treatment of biliary ducts malignant stenosis using mini probe intraductal ultrasound, microarray techniques and neoadjuvant photodynamic therapy”, LASENDO, **PARTNER PROJECT MANAGER**, IOCN, (2007-2010)
30. CEEEX 2006 Modul III ctr 105/2006 – “Promoting an integrated approach for research in cell and tissue pathology compared to adjust to European standards of local topics”, PATHCERO, Project Director USAMV: Prof. Dr. Ioan Marcus, **PARTNER PROJECT MANAGER**, IOCN, (2006-2008)
31. CEEEX 2006 Modul I Viasan ctr. 189/2006 - “The comparative analysis of molecular profile in cystic lesions of the pancreas. The use of microarray technique in the assessment of genomic expression level”, PANARRAY, Project Director UMF: Prof. Dr. Victor Cristea, **PARTNER PROJECT MANAGER**, IOCN, (2006-2008)
32. CEEEX 2006 Modul I Viasan ctr. 180/2006 – “ Development of a system biology approach for understanding the molecular and signalling patterns involved in the human prostate”, MOLPAT, , **PARTNER PROJECT MANAGER**, IOCN, (2006-2008)
33. CEEEX 2006 Modul I Viasan ctr. 154/2006 – “Screening, prevention and correction of child genito-urinary congenital malformations through minimal invasive therapeutical techniques (laparoscopy, endoscopy)”, SCANURGENT, **PARTNER PROJECT MANAGER**, IOCN, (2006-2008)
34. CEEEX 2006 Modulul III ctr 32/2006 – “Functional Genomics in Biology and Therapy of Cancer”, BIOGENERO, Project Director UMF: Prof. Dr. Victor Cristea, **PARTNER PROJECT MANAGER**, IOCN, (2006-2007)
35. CEEEX 2005 ctr.61/2005 – “Posttranscriptional control of gene expression in tumors. RNA interference in cancer treatment and biology”, ARNiARRAY CEEEX, Project Director UMF: Prof. Dr. Victor Cristea, **PARTNER PROJECT MANAGER**, IOCN, (2005-2007)
36. CEEEX 2005 ctr.63/2005 – “Improving diagnosis and therapy of prostate adenocarcinoma in the context of developing urinary tumor markers and minimally invasive interventions”

PROMARKDIATER CEEEX, Project Director UMF: Prof Dr. Ioan Coman, **PARTNER PROJECT MANAGER**, IOCN, (2005-2008)

Other relevant professional experiences:

(e.g. institutional responsibilities, organization of scientific meetings, membership in academic societies, review boards, advisory boards, committees and major research or innovation collaborations, other commissions of trust in public or private sector)

Year	Description – Role
Membership and responsibilities in professional and academic societies (national and international)	
2022 - date	Corresponding Member of the Romanian Academy of Medical Sciences
2022-2027	National Expert- Subgroup Cancer at the European Commission
2010 - date	WIN Consortium - Representative of the “Iuliu Hatieganu” University of Medicine and Pharmacy
2009 - 2022	OECI- Organisation of European Cancer Institutes
Currently	Member European Association of Cancer Research Ambassador European Association of Cancer Research Member European Society of Human Genetics
Committees and major research or innovation collaborations	
International Specializations	
Up to date	Project Director / Group Leader in 40 international and national grants
1993	Molecular biology, genetics and physiologic chemistry – Tempus scholarship , Universite Faculte Notre Dame de la Paix, Namur, Belgium
2006-2007	Project Evaluator Project Management Research - Dana Farber Cancer Institute to Harvard Medical School, Boston, USA
2014-2015	Fulbright Fellow - MD ANDERSON CANCER CENER, University of Texas, Houston, USA
2018-date	Evaluator European Commission -intermittently
National and International Scientific and Editorial Boards	
2022 - date	Member of the Scientific Advisory Board WIN CONSORTIUM
2020	Professional Development Session for AACR’s Global Scholar-In-Training Awardees , AACR-2020.
Currently	National Genetics Commission at the Health Minister
Currently	Editorial Board Noncoding RNA Journal
Currently	Editorial Board Frontiers in Oncology
Currently	Editorial Board IJMS
Currently	Associate Editor Molecular Innate Immunity - Frontiers in Oncology https://www.frontiersin.org/my-frontiers/overview
Currently	Review Editor in Cancer Molecular Targets and Therapeutics https://www.frontiersin.org/my-frontiers/overview

C.2 Track record of the last 10 years – A list of the ten most important scientific outputs (publications, patents, technologies, etc) for the Center Director (for each referenced scientific output, please provide DOI code, where existing):

1. **Berindan-Neagoe I**, Monroig Pdel C, Pasculli B, Călin GA CA – **Journal for Clinicians**, IF:166, *MicroRNAome genome: a treasure for cancer diagnosis and therapy*, i CACA – **Journal for Clinicians** 2014, vol 64, Issue 5 pg. 311-336
2. **Berindan-Neagoe Ioana** ; Călin George A. **Clinical Cancer Research** in 2014 *Molecular pathways: microRNAs, cancer cells, and microenvironment*, **Clinical Cancer Research**, vol.20, issue 24, pp. 6247-6253
3. Gulei D, Magdo L, Jurj A, Raduly L, Cojocneanu-Petric R, Moldovan A, Moldovan C, Florea A, Pasca S, Pop LA, Moisoiu V, Budisan L, Pop-Bica C, Ciocan C, Buiga R, Muresan MS, Stiuftuc R, Ionescu C, **Berindan-Neagoe I**. *The silent healer: miR-205-5p up-regulation inhibits epithelial to mesenchymal transition in colon cancer cells by indirectly up-regulating E-cadherin expression*. **Cell, Death and Disease (Group Nature)**, 2018, volume 9 issue 2 pg. 1-16
4. Pop-Bica C, Pinte S, Cojocneanu-Petric R, Del Sal G, Piazza S, Wu ZH, Alencar AJ, Lossos IS, **Berindan-Neagoe I**, Calin GA. *MiR-181 family-specific behavior in different cancers : a meta-analysis view*. **Cancer and Metastasis Reviews**. ;37(1):17-32, 2018
5. Ciocan-Cartita CA, Jurj A, Zanoaga O, Cojocneanu R, Pop LA, Moldovan A, Moldovan C, Zimta AA, Raduly L, Pop-Bica C, Buse M, Budisan L, Virag P, Irimie A, Diaz SMG, **Berindan-Neagoe I***, Braicu C-*New insights in gene expression alteration as effect of doxorubicin drug resistance in triple negative breast cancer cells*. **Journal Of Experimental & Clinical Cancer Research**;39(1):241, 2020
6. Redis RS, Vela LE, Lu W, Ferreira de Oliveira J, Ivan C, Rodriguez-Aguayo C, Adamoski D, Pasculli B, Taguchi A, Chen Y, Fernandez AF, Valledor L, Van Roosbroeck K, Chang S, Shah M, Kinnebrew G, Han L, Atlasi Y, Cheung LH, Huang GY, Monroig P, Ramirez MS, Catela Ivkovic T, Van L, Ling H, Gafà R, Kapitanovic S, Lanza G, Bankson JA, Huang P, Lai SY, Bast RC, Rosenblum MG, Radovich M, Ivan M, Bartholomeusz G, Liang H, Fraga MF, Widger WR, Hanash S, **Berindan-Neagoe I**, Lopez-Berestein G, Ambrosio AL, Gomes Dias SM, Calin GA. *Allele-Specific Reprogramming of Cancer Metabolism by the Long Non- coding RNA CCAT2*. **Molecular Cell**. 61(4):520-34. 2016 Feb-18
7. Tirpe AA, Gulei D, Ciortea SM, Crivii C, Berindan-Neagoe I. *Hypoxia: Overview on Hypoxia-Mediated Mechanisms with a Focus on the Role of HIF Genes*. **Int J Mol Sci**. 2019;20(24):6140. Published 2019 Dec 5. doi:10.3390/ijms20246140
8. Bica, C., Jurj, A., Harangus, A., Ciocan, C., Moldovan, A., Zanoaga, O., Burz, C., Ferracin, M., Raduly, L., & Berindan-Neagoe, I. (2024). *miRNA patterns in male LUSC patients - the 3-way mirror: Tissue, plasma and exosomes*. **Translational oncology** 44 101951. Advanced online publication. <https://doi.org/10.1016/j.tranon.2024.101951>
9. Fuentes-Mattei, E., Bayraktar, R., Manshour, T., Silva, A. M., Ivan, C., Gulei, D., Fabris, L., Soares do Amaral, N., Mur, P., Perez, C., Torres-Claudio, E., Dragomir, M. P., Badillo-Perez, A., Knutsen, E., Narayanan, P., Golfman, L., Shimizu, M., Zhang, X., Zhao, W., Ho, W. T., ... Redis, R. S. (2024). *miR-543 regulates the epigenetic landscape of myelofibrosis by targeting TET1 and TET2*. **JCI insight**, 9(3), e178762. <https://doi.org/10.1172/jci.insight.178762>
10. Cismaru, C. A., Tomuleasa, C., Jurj, A., Chira, S., Isachecku, E., Cismaru, G., Gherman, L. M., Gulei, D., Munteanu, R., & Berindan Neagoe, I. (2024). *Synergistic Effect of Human Chorionic Gonadotropin and Granulocyte Colony Stimulating Factor in the Mobilization of HSPCs Improves Overall Survival After PBSCT in a Preclinical Murine Model. Are We Far Enough for Therapy?*. **Stem cell reviews and reports**, 20(1), 206–217. <https://doi.org/10.1007/s12015-023-10648-5>

C.3 Narrative CV

(A paragraph summarizing which work has had the greatest importance and impact)

Professor **Ioana Berindan-Neagoe** (<https://orcid.org/0000-0001-5828-1325>) is a Professor of Medical Biotechnology at the *Iuliu Hatieganu* University of Medicine and Pharmacy (UMFCN), Cluj-Napoca. She started her early career as a young scientist at The Oncology Institute “Prof. Dr. Ion Chiricuta”, in the Department of Experimental Pathology. In 2000, she was part of the team that won a World Bank grant, allowing her to create the first Molecular Biology Department at the Oncology Institute. Her whole career, she worked in genetics and genomics/transcriptomics, developing new cancer diagnosis and therapy concepts. Professor Berindan-Neagoe has impressive managerial experience as she won over 40 national and international grants, including 8 in European Framework Programmes (including Horizon) and one INTERRegio Danube grant with 24 partners. She is conducting several major projects, including two important Marie Skłodowska Curie Rise projects to train young investigators. Professor Berindan-Neagoe started to conduct scientific projects in cellular and molecular biology, especially cell adhesion molecules (her PhD field of interest). During these years, she developed the ***Oncology Research Platform*** in the Oncology Institute. She coordinated 25 scientists from 2009 to 2021 as Scientific Director of the Oncology Institute, promoting scientific activity.

Starting in 2006, she began a position as an Assistant Professor in the Department of Immunology at the UMFCN, where she developed the first microarray laboratory in Romania. The ***omics field*** was further developed by Dr Berindan-Neagoe within **The Research Center for Functional Genomics, Biomedicine and Translational Medicine** (<http://www.umfcluj.ro/en/cercetare-uk/genomic-center-en-m>) she built in 2010 with financial support from POSCCE. During the last 14 years, she coagulated a team of young researchers focused on cancer cell biology research. In 2016 she coordinated the launch of **The MedFUTURE Research Centre for Advanced Medicine** <http://www.umfcluj.ro/en/cercetare-uk/medfuture-%E2%80%93-the-research-center-for-advanced-medicine>). The total funding, she brought more than 20 millions euros for the two centres. She coordinated 34 researchers in the two centres, PhD students, postdocs and senior scientists as **Director of the Genomic Center and MedFUTURE Research Center**. In 2014, she became a Habilitated Professor in Medicine in the Doctoral School, developing the Medical Biotechnology field, a new discipline, for PhD students. For 8 years, she was also the UMPH ***Director of Research, Development and Innovation Department*** till June 10th, 2020.

In 2013, she was selected by the **Fulbright Committee**. She received a ***Fulbright Senior Fellow Award*** in 2013 in MD Anderson Cancer Center in Houston, Texas, USA, one of the most important cancer institutions in the world. After completing one year as a Fulbright fellow in ncRNAs and cancer, she received 18 months in the ***Visiting Professor*** position in the same institution. During both Fulbright Fellow and Visiting Professor, she worked in the **Department of Experimental Therapeutics** in the field of microRNAs in cancer.

She is a Corresponding Member of the Academy of Medical Sciences member and is deeply involved in the research programs and research committees. Professor Berindan-Neagoe was awarded for excellence in research by the AdAstra in 2018 in Life Science. She is the author of 414 full papers published in WOS journals with an Impact Factor, including 8 papers in CA Journal for Clinicians, Nature Reviews Drug Discovery, Molecular Cell, Molecular Cancer Research, and Clinical Cancer Research.

Hirsch's index is **65** (Google Scholar), with 19,289 citations, and **55** (SCOPUS), with more than 14,964 citations. She is ranked by **AD Scientific Index 2024** as the **best scientist in the university and the best in the country in molecular biology and genetics.**

C4. List of books/books chapter and publications

Books:

1. Menopause cytokine profile – Andrei Mihai Măluțan, Dan Mihu, Ioana Berindan-Neagoe, Casa Cărții De Știință, 2018, ISBN 978-606-17-1414-8
2. Molecular perspectives in oral cancer – An updated view –Alexandra Iulia Irimie, Simion Bran, **Ioana Berindan-Neagoe**, Cornelia Braicu, Diana Gulei, Ed. Scoala Ardeleană București, Eikon, 2018, ISBN 978-606-711-848-5/978
3. Guide for Immunology laboratory management - **Ioana Berindan-Neagoe**, Cornelia Braicu, Roxana Cojocneanu-Petric, Carolina Constantin, Maria Dobre, Radu-Ionuț Huica, Laura Isprava, Gina Manda, Elod Nagy, Ionela Neagoe, Monica Neagu, Aurora Sălageanu, Mihaela Surcel, Cătălin Țucureanu, Cornel Ursaciuc, Mihaela Zlei, Edited by Prof. Dr. Victor Cristea, Ed. Medicală Universitară Iuliu Hațieganu Cluj- Napoca, 2013, ISBN 978-973-693-550-3.
4. Functional Genomics - Gene Microarray - **Ioana Berindan- Neagoe**, Ovidiu Bălăcescu, Alexandru Irimie, Ed. Eikon, 2013, ISBN 978-973-757-900-3
5. Aging and immunity - Cătană Cristina, **Ioana Berindan- Neagoe**, Lap Lambert Academic Publisher Ag & Co Kg, 2012 , ISBN 3848428067
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