

LISTA DE LUCRĂRI

1. TEZA DE DOCTORAT

Doctor în științe specialitatea Biologie acordat de Facultatea de Biologie, Universitatea București. cu mențiunea „Magna cum laude” (ordinul 4802/15.08.2005)

Titlul tezei: “Potențialul proliferativ in vitro al celulelor stem hematopoietice în prezența factorilor de creștere”.

2. CARTI SI CAPITOLE DE CARTI PUBLICATE

1. **Mihaela Chivu Economescu**, “Celule stem hematopoietice. Aplicatii clinice.”, ISBN 978-973-558-675-1, 122 pag, Edit. Universitatii Bucuresti Ars Docendi 2013.
2. D. Miscalencu, Florica Mailat, G.A. Szegli, Cristina Bordea, Ilinca Nicolae, **Mihaela Chivu**, “Molecule matriceale intercelulare in cancer”, ISBN 973-575-729-X, 100 pag, Editura Universitatii Bucuresti 2003.
3. Diaconu CC, Pitica IM, **Chivu-Economescu M**, Necula LG, Botezatu A, Iancu VI, Neagu AI, Radu EL, Matei L, Ruta SM, Bleotu C. SARS-CoV-2 Variant Surveillance in Genomic Medicine Era. Book chapter in SARS-CoV-2 Variants- Two Years After. 2024, Edit IntechOpen 2022, DOI: 10.5772/intechopen.107137
4. Carmen C. Diaconu, Petruta Gurban, Cristina Mambet, **Mihaela Chivu- Economescu**, Laura G. Necula, Lilia Matei, Denisa Dragu, Saviana Nedeianu, Ana I. Neagu, Aurelia Tatic, Diana Cristodor and Coralia Bleotu. “Programmed Cell Death Deregulation in BCR-ABL1-Negative Myeloproliferative Neoplasms” in Programmed Cell Death., IntecOpen Edit. 2019. DOI: 10.5772/intechopen.86062

3. APLICATII BREVETE DE INVENTIE

1. **RO138057 (A0)** - Metodă de evaluare a potențialului inhibitor specific și selectiv pentru o țintă moleculară definită
2. **RO138033 (A0)** - Metodă de evaluare a eficienței greșării xenotransplantului de leucemie mieloidă acută (lma) într-un model animal murin
3. **RO132002 (B1)** — 2023-02-28: Metoda de stabilire a chemogramei personalizate utilizata in managementul pacientului cu cancer pancreatic.
4. **A/01204/26.11.2010** - Dispozitiv multifunctional de evaluare pentru obtinerea unui pansament biocelular si structuri tisulare regenerare.

4. ARTICOLE PUBLICATE IN JURNALE INDEXATE CLARIVATE ANALYTICS (ISI) IN CALITATE DE AUTOR PRINCIPAL:

1. **Mihaela Chivu**, Carmen C. Diaconu, Lorelei Brasoveanu, Irina Alexiu, Coralia Bleotu, G. Banceanu, D. Miscalencu, C. Cernescu, Ex vivo differentiation of umbilical cord blood progenitor cells in the presence of placental conditioned medium, J. Cell. Mol. Med., 2007, vol. 6 (4):609-620. **IF=N/A; Q=N/A.**
2. **Mihaela Chivu**, Carmen C. Diaconu, Coralia Bleotu, Irina Alexiu, Lorelei Brasoveanu, C. Cernescu, The comparison of different protocols for expansion of umbilical cord blood hematopoietic stem cell, J. Cell. Mol. Med., 2004, Vol 8, No 2, 223-231. **IF=2,153; Q=N/A**
3. **Mihaela Chivu**, Serban Nastasia, Camelia Sultana, Coralia Bleotu, Irina Alexiu, Decebal Hudita, Optimizing donor selection in order to establish a cord blood banking facility: maternal and obstetric factors impact, Central European Journal of Medicine, 2007, Vol 2, No 2, 180-189. **IF=N/A; Q=N/A.**
4. **Mihaela Chivu**, Simona O. Dima, Cosmin I. Stancu, Camelia Dobrea, Valentina Uscatescu, Laura G. Necula, Coralia Bleotu, Cristiana Tanase, Radu Albulescu, Carmen Ardeleanu, Irinel Popescu. In vitro hepatic differentiation of human bone marrow mesenchymal stem cells under differential exposure to liver-specific factors. Translational Research 2009;154:122–132. **IF=2,062; Q1.**
5. **Mihaela Chivu Economescu**, Laura G. Necula, Denisa Dragu, Liviu Badea, Simona O. Dima, Stefan Tudor, Anca Nastase, Irinel Popescu, Carmen C. Diaconu, Identification of potential biomarkers for early and advanced gastric adenocarcinoma detection, Hepato-Gastroenterology, 2010, 58(104): 1453-1464 (ISSN: 0172-6390), ISI, **IF=0.677; Q4**
6. Necula LG, **Chivu-Economescu M* (*co-first author)**, Stanculescu EL, Bleotu C, Dima SO, Alexiu I, Dumitru A, Constantinescu G, Popescu I, Diaconu CC. IL-6 and IL-11 as markers for tumor aggressiveness and prognostic in gastric adenocarcinoma patients without mutations in gp130 subunit. Journal of Gastrointestinal and Liver Diseases 2012, 21(1), 23-29. (ISSN: 1841-8724). **IF=1.855; Q3**
7. Denisa L Dragu, Laura G Necula, Coralia Bleotu, Carmen C Diaconu and **Mihaela Chivu-Economescu**. Therapies targeting cancer stem cells: Current trends and future challenges. World J Stem Cells. 2015 October 26; 7(9): 1185-1201. **IF=N/A; Q=N/A.**
8. **Chivu-Economescu M**, Rubach M. Hematopoietic stem cells therapies. Curr Stem Cell Res Ther. 2017, 12(2):124-133. **IF=2.168; Q4**
9. **Chivu-Economescu M**, Dragu DL, Necula LG, Matei L, Enciu AM, Bleotu C, Diaconu CC. Knockdown of KRT17 by siRNA induces antitumoral effects on gastric cancer cells. Gastric Cancer 2017, 20:948-959. **IF=5.045; Q1**
10. **Chivu-Economescu M**, Matei L, Necula LG, Dragu DL, Bleotu C, Diaconu CC. New therapeutic options opened by the molecular classification of gastric cancer. World J Gastroenterol 2018; 24(18): 1942-1961. **IF=3.411; Q2**
11. Mambet C, **Chivu-Economescu M* (*corresponding author)**, Matei L, Necula LG, Dragu DL, Bleotu C, Diaconu CC. Murine models based on acute myeloid leukemia-initiating stem cells xenografting. World J Stem Cells 2018; 10(6): 57-65. **IF=3.534; Q2**
12. Necula L, Matei L, Dragu D, Neagu AI, Mambet C, Nedeianu S, Bleotu C, Diaconu CC, **Chivu-Economescu M**. Recent advances in gastric cancer early diagnosis. World J Gastroenterol 2019; 25(17): 2029-2044. **IF=3.665 ; Q2**

13. **Chivu-Economescu M**, Necula LG, Matei L, Dragu DL, Neagu AI, Alexiu I, Bleotu C, Diaconu CC. Gastrointestinal cancer stem cells as targets for innovative immunotherapy. *World J Gastroenterol* 2020; 26(14): 1580-1593. **IF=5.742; Q1**
14. Necula L, Matei L, Dragu D, Pitica I, Neagu AI, Bleotu C, Dima S, Popescu I, Diaconu CC, **Chivu-Economescu M**. High plasma levels of COL10A1 are associated with advanced tumor stage in gastric cancer patients. *World J Gastroenterol* 2020; 26(22): 3024- 3033 10.3748/wjg.v26.i22.3024 **IF=5.742; Q1**
15. **Chivu-Economescu M**, Necula L, Matei L, Dragu D, Bleotu C and Diaconu CC (2021) Clinical Applications of Liquid Biopsy in Gastric Cancer. *Frontiers Med.* 2021; 8:749250. doi: 10.3389/fmed.2021.749250. **IF=5.058; Q2**
16. **Chivu-Economescu M**, Necula LG, Matei L, Dragu D, Bleotu C, Sorop A, Herlea V, Dima S, Popescu I, Diaconu CC. Collagen Family and Other Matrix Remodeling Proteins Identified by Bioinformatics Analysis as Hub Genes Involved in Gastric Cancer Progression and Prognosis. *International Journal of Molecular Sciences* 2022; 23(6):3214. <https://doi.org/10.3390/ijms23063214>. **IF=5.6; Q1**
17. Necula, L.; Matei, L.; Dragu, D.; Pitica, I.; Neagu, A.; Bleotu, C.; Diaconu, C.C.; **Chivu-Economescu, M**. Collagen Family as Promising Biomarkers and Therapeutic Targets in Cancer. *Int. J. Mol. Sci.* 2022, 23, 12415. <https://doi.org/10.3390/ijms232012415> **IF=5.6; Q1**
18. **Chivu-Economescu M**, Bleotu C, Grancea C, Chiriac D, Botezatu A, Iancu IV, Pitica I, Necula LG, Neagu A, Matei L, Dragu D, Sultana C, Radu EL, Nastasie A, Voicu O, Ataman M, Nedeianu S, Mambet C, Diaconu CC, Ruta SM: Kinetics and persistence of cellular and humoral immune responses to SARS-CoV-2 vaccine in healthcare workers with or without prior COVID-19. *Journal of Cellular and Molecular Medicine* 2022; 26:1293-1305. <https://doi.org/10.1111/jcmm.17186> **IF=5.3; Q2**
19. **Chivu-Economescu M**, Vremera T, Ruta SM, Grancea C; Leustean M, Chiriac D, David A, Matei L, Diaconu CC, Gatea A, Ilie C, Radu I, Cornienco AM, Iancu LS, Cirstoiu C, Pop CS, Petru R, Strambu V, Malciolu S, Popescu CP, Florescu SA, Rafila A, Furtunescu FL, Pistol A. Assessment of the Humoral Immune Response Following COVID-19 Vaccination in Healthcare Workers: A One Year Longitudinal Study. *Biomedicines* 2022, 10, 1526. <https://doi.org/10.3390/biomedicines10071526> **IF=4.757; Q2**
20. **Chivu-Economescu M**, Herlea V, Dima S, Sorop A, Pechianu C, Procop A, Kitahara S, Necula L, Matei L, Dragu D, Neagu AI, Bleotu C, Diaconu CC, Popescu I, Duda DG. Soluble PD-L1 as a diagnostic and prognostic biomarker in resectable gastric cancer patients. *Gastric Cancer* 2023. <https://doi.org/10.1007/s10120-023-01429-7>. **IF=6; Q1**
21. Bleotu, C.; Matei, L.; Dragu, L.D.; Necula, L.G.; Pitica, I.M.; **Chivu-Economescu (*corresponding)**, M.; Diaconu, C.C. Viruses in Wastewater—A Concern for Public Health and the Environment. *Microorganisms* 2024, 12, 1430. <https://doi.org/10.3390/microorganisms12071430> **IF=4.1; Q2**

5. ARTICOLE PUBLICATE IN JURNALE COTATE CLARIVATE ANALYTICS (ISI) IN CALITATE DE CO-AUTOR:

1. Mutiu A., Irina Alexiu, **Mihaela Chivu**, M. Petica, Gabriela Anton, Coralia Bleotu, Carmen Diaconu, C. Popescu, V. Jucu, C. Cernescu - Detection of human papillomavirus gene sequence in cell lines derived from laryngeal tumors, *J. Cell.Mol. Med.* 2001, vol.5, no.1, 49-59. **IF=N/A; Q=N/A.**

2. Carmen C. Diaconu, Coralia Bleotu, **Mihaela Chivu**, Irina Alexiu, Daniela Petrusca, Gabriela Anton, Ruxandra Achim, Simona M. Ruta, C. Cernescu, The development of larger cells that spontaneously escape senescence – a step during the immortalization of a human cancer cell line, *J. Cell. Mol. Med.*, 2004, Vol 8, No 1, 93-101, **IF=2,153; Q=N/A**
3. Coralia Bleotu, Carmen C. Diaconu, **Mihaela Chivu**, Irina Alexiu, Simona M. Ruta, Costin Cernescu Evaluation of TV cell line viral susceptibility using conventional cell culture techniques, *Central European Journal of Medicine*, 1(1) 2006 12–22. **IF=N/A; Q=N/A.**
4. Otilia Zărnescu, Felix Mircea Brehar, **Mihaela Chivu**, Alexandru Vladimir Ciurea. Immunohistochemical localization of caspase-3, caspase-9 and Bax in U87 glioblastoma xenografts. *Journal of Molecular Histology* Volume 39, Number 6 / December, 2008, p. 561-569. **IF=1,513; Q4**
5. LP Lefter, S Dima, M Sunamura, T Furukawa, Y Sato, M Abe, **M Chivu**, I Popescu, A Horii, Transcriptional silencing of ETS-1 efficiently suppresses angiogenesis of pancreatic cancer, *Cancer Gene Ther.* 2009 Feb;16(2):137-48. **IF=3.126; Q2**
6. Mirela-Patricia Sîrbu-Boeti, **M. Chivu**, Liliana L. Pâslaru, C. Efrimescu, V. Herlea, C. Pecheanu, L. Moldovan, L. Dragomir, C. Bleotu, E. Ciucur, C. Vidulescu, M. Vasilescu, A. Boicea, S. Mănoiu, M.I. Ionescu, I. Popescu Transplantation of mesenchymal stem cells cultured on biomatrix support induces repairing of digestive tract iatrogenic defects. *Chirurgia* 2009, 104 (1): 55-65. **IF=N/A; Q=N/A.**
7. Brehar F.M., Bleotu C., Stefan L.M., Buzgariu W., **Chivu M.**, Utoiu E., Matei L., Ciurea A.V., Tascu A. Isolation and partial characterization of a new human glioblastoma cell line. *Chirurgia* 2009, 104 (4): 453-461 **IF=N/A; Q=N/A.**
8. Bumbacea D., Razvan Lungu, Ana Neagu, Irina Alexiu, **Mihaela Chivu Economescu**, Carmen C. Diaconu. New immunodiagnostic tests for latent and active tuberculosis. *Romanian Review of Laboratory Medicine* 2011, 19 (3/4): 267-278 (ISSN: 1841-6624, ISI). **IF=N/A; Q=N/A.**
9. Diaconu C. Carmen, Neagu I. Ana, Lungu Razvan, Tardei Gratiela, Alexiu Irina, **Chivu Economescu Mihaela**, Bleotu Coralia, Bumbacea S. Roxana, Aldea Ioana, Matei Lilia, Dragomir Necula Laura, Pele Irina, Dragu Denisa, Stancu I. Cosmin, Nastasie Alina, Ataman Marius, Bumbacea Dragos. Regulatory T lymphocytes in evaluation of the local protective cellular immune response to Mycobacterium tuberculosis in Romanian patients. Short Communication. *Romanian Biotechnological Letters* 2012, 17(1): 6862-6868. (ISSN 1224 – 5984), **IF=0.363; Q4**
10. Yamanaka S, Olaru AO, An F, Luvsanjav D, Jina Z, Agarwal R, Tomuleasa C, Popescu I, Alexandrescu S, Dima S, **Chivu-Economescu M**, Montgomery EA, Torbenson M, Meltzer SJ, Selaru FM. MicroRNA-21 inhibits Serpini1, a gene with novel tumour suppressive effects in gastric cancer. *Digestive and Liver Disease* 2012, 2012 Jul;44(7):589-96. (ISSN 1590-8658). **IF=3.162; Q2**
11. Dima SO, Tanase C, Albulescu R, Herlea V, **Chivu-Economescu M**, Purnichescu-Purtan R, Dumitrascu T, Duda DG, Popescu I. An exploratory study of inflammatory cytokines as prognostic biomarkers in ductal pancreatic adenocarcinoma patients. *Pancreas* 2012; 41: 1001-1007. (ISSN 0885-3177). **IF=2.953; Q2**
12. Ionescu D, Aldea IM, Bleotu C, **Chivu-Economescu M**, Matei L, Rizea GD, Crisan I, Diaconu CC, Mihele D. Evaluation of antiviral and cytotoxic activities of Tamarix gallica and Silybum marianum extracts, *Farmacia* 2014, 62(2): 329-340. **IF=1.005; Q4**
13. Cristina Mambet, Laura G. Necula, Ana I. Neagu , Ioana M. Aldea , Lilia Matei, Denisa Dragu, Mirela

- Livadariu, **Mihaela Chivu Economescu**, Coralia Bleotu, Daniela Ion, Carmen C. Diaconu. HOX genes, reviewing the molecular bridges between developmental anomalies and cancer, Romanian Biotechnological Letters 2015, 20(3): 10504-10511. **IF=0.381; Q4**
14. Cristina Mambet, **Mihaela Chivu-Economescu**, Lilia Matei, Mihai Stoian, Coralia Bleotu. Strategies to overcome multi-drug resistance in cancer cells: the contribution of siRNA and nanotechnologies. Current Organic Chemistry 2016, 20(28):2971 – 2982. **IF=2.075; Q3**
 15. Abbas Hazem, Pitică-Aldea Ioana Mădălina, Matei Lilia, Dragu Denisa, **Chivu-Economescu Mihaela**, Alexiu Irina Daniela, Popescu Carmen, Crisan Iuliana, Diaconu Carmen Cristina, Bleotu Coralia, Lupuleasa Dumitru. The antiviral / virulicid effects of alchoolic and aqueous propolis extracts from oradea Romania. Farmacia 2017, 65(6):868-876. **IF=1.507; Q4**
 16. Mambet C, Necula L, Mihai S, Matei L, Bleotu C, **Chivu-Economescu M**, Stanca O, Tatic A, Berbec N, Tanase C, Diaconu CC. Increased Dkk-1 plasma levels may discriminate disease subtypes in myeloproliferative neoplasms. J Cell Mol Med.2018;22:4005–4011. **IF=4.658; Q2**
 17. Carmen C. Diaconu, Cristina Mambet, Laura G. Necula, Petruta Gurban, Lilia Matei, Ioana M. Aldea-Pitica, Ana I. Neagu, Anca Botezatu, Coralia Bleotu, **Mihaela Chivu-Economescu**, Viviana Roman, Daniel Coriu, Stefan Constantinescu - Triple Negative Myeloproliferative Neoplasms - Sometimes Driver Mutations Stay Low-Key in Plain Sight, Romanian Biotechnological Letters 2018; 23(4):13750-13760. **IF=0.590; Q4**
 18. Daniela Murarasu, Liliana Puiu, Corina-Elena Mihalcea, Ioana Madalina Aldea Pitica, Cristina Mambet, Elena Lacramioara Radu, Lilia Matei, Denisa Laura Dragu, Laurentiu Simion, Marian Augustin Marincas, **Mihaela Chivu-Economescu**, Sabin Cinca, Lorelei Brasoveanu, Coralia Bleotu, Carmen Cristina Diaconu - Characterization of TP53 polymorphisms in the Romania colorectal cancer patients, Romanian Biotechnological Letters 2018, 23 (6): 14124-14134. (ISSN 1224 – 5984). **IF=0.590; Q4**
 19. Denisa L. Dragu, **Mihaela Chivu-Economescu**, Coralia Bleotu, Laura G. Necula, Lilia Matei, Mihai Stoian, Carmen C. Diaconu. Establishing a mouse disease model for future studies regarding gastric anti-cancer therapies. Romanian Biotechnological Letters. Romanian Biotechnological Letters 2019; 24(5): 874-882. **IF=0.765; Q4**
 20. Sorop Andrei, Iacob Razvan, Iacob Speranta, Constantinescu Diana, Chitoiu Leona, Fertig Tudor Emanuel, Dinischiotu Anca, **Chivu-Economescu Mihaela**, Bacalbasa Nicolae, Savu Lorand, Gheorghe Liliana, Dima Simona, Popescu Irinel. Plasma small extracellular vesicles derived mir-21-5p and mir-92a-3p as potential biomarkers for hepatocellular carcinoma screening. Frontiers in Genetics 2020; 11:712 (13 pages). <https://doi.org/10.3389/fgene.2020.00712> **IF=4.599; Q2**
 21. Pitica IM, Matei L, Dragu LD, Alexandru G, Suci A, Alexiu ID, Neagu AI, **Chivu-Economescu M**, Crisan I, Manea C, Anton G, Diaconu, CC, Bleotu, C. Tamarix gallica extract induces apoptosis via an intrinsic mechanism. Romanian Biotechnological Letters 2020; 25(4): 1701-1708. **IF=NA.742; Q=NA**
 22. Petrisor G, Fikai D, Motelica L, Trusca RD, Bîrcă AC, Vasile BS, Voicu G, Oprea OC, Semenescu A, Fikai A, Popitui MI, Fierascu I, Fierascu RC, Radu EL, Matei L, Dragu LD, Pitica IM, **Economescu M**, Bleotu C. Mesoporous Silica Materials Loaded with Gallic Acid with Antimicrobial Potential. Nanomaterials. 2022;12(10):1648. <https://doi.org/10.3390/nano12101648> **IF=5.3; Q2**
 23. Stoica SI, Onose G, Pitica IM, Neagu AI, Ion G, Matei L, Dragu LD, Radu L-E, **Chivu-Economescu M**, Necula LG, Anghelescu A, Diaconu CC, Munteanu C, Bleotu C. Molecular Aspects of Hypoxic Stress

- Effects in Chronic Ethanol Exposure of Neuronal Cells. *Current Issues in Molecular Biology*. 2023; 45(2):1655-1680. <https://doi.org/10.3390/cimb45020107> IF=2.8; Q3
24. Gurban P, Mambet C, Botezatu A, Necula LG, Neagu AI, Matei L, Pitica IM, Nedeianu S, **Chivu-Economescu M**, Bleotu C, Ataman M, Mocanu G, Saguna C, Pavel AG, Stambouli D, Sepulchre E, Anton G, Diaconu CC and Constantinescu SN (2023) Leukemic conversion involving RAS mutations of type 1 CALR-mutated primary myelofibrosis in a patient treated for HCV cirrhosis: a case report. *Frontiers Oncology* 2023, 13:1266996. <https://doi.org/10.3389/fonc.2023.1266996> IF=3.5; Q2
 25. Grecu, L.I.; Sultana, C.; Pavel-Tanasa, M.; Ruta, S.M.; **Chivu-Economescu, M.**; Matei, L.; Ursu, R.G.; Iftimi, E.; Iancu, L.S. Non-Invasive Prediction Scores for Hepatitis B Virus- and Hepatitis D Virus- Infected Patients—A Cohort from the North-Eastern Part of Romania. *Microorganisms* 2023, 11, 2895. <https://doi.org/10.3390/microorganisms11122895> IF=4.1; Q2
 26. Iancu, I. V., Diaconu, C. C., Plesa, A., Fudulu, A., Albulescu, A., Neagu, A. I., Pitica, I. M., Dragu, L. D., Bleotu, C., **Chivu-Economescu, M.**, Matei, L., Mambet, C., Nedeianu, S., Popescu, C. P., Sultana, C., Ruta, S. M., & Botezatu, A. LncRNAs expression profile in a family household cluster of COVID-19 patients. *Journal of Cellular and Molecular Medicine* 2024, 28(7), e18226. <https://doi.org/10.1111/jcmm.18226> IF=4.3; Q2
 27. Gurban P, Mambet C, Botezatu A, Necula LG, Matei L, Neagu AI, Pitica IM, Dragu LD, Nastasie Schulman A, Ataman M, Nedeianu S, **Chivu-Economescu M**, Bleotu C, Anton G, Diaconu CC. Increased mRNA expression for serotonin receptor 1B (HTR1B) is associated with thrombosis in BCR::ABL1-negative myeloproliferative neoplasms. *J Cell Mol Med.* 2024; 28:e70024. <https://doi.org/10.1111/jcmm.70024> IF=4.3; Q2
 28. Gurban, P., Mambet, C., Botezatu, A., Necula, L.G., Matei, L., Neagu, A.I., Pitica, I., Ataman, M., Tatic, A., Bardas, A., Gaman, M.A., Dobrea, C., Dragomir, M., Ghimici, C., Angelescu, S., Barbu, D., Stanca, O., Danila, M., Berbec, N., Colita, A., Vladareanu, A.M., Nedeianu, S., **Chivu-Economescu, M.**, Bleotu, C., Coriu, D., Sepulchre, E., Anton, G., Diaconu, C.C. and Constantinescu, S.N. Dominance of mutations in epigenetic regulators and a diversity of signaling alterations in blast-phase BCR::ABL1-negative myeloproliferative neoplasms. *Am J Hematol.* 2024, <https://doi.org/10.1002/ajh.27503> IF=10.1; Q1

6. ARTICOLE IN EXTENSO PUBLICATE IN REVISTE INDEXATE BDI:

1. Marius Cornitescu, **Mihaela Chivu**, Costin Cernescu, Dimethyl sulfoxide prevents the location of quercetin in the cell plasma membrane, *Proceedings of the Romanian Academy series B*, 2003, Vol 5, No 1-2, 79-84 (ISSN 1454-8267).
2. **Mihaela Chivu**, Diaconu C. C., Bleotu C., Brasoveanu L., Gheorghiu M., Pasarica D., C. Cernescu, Placental conditioned medium contains growth factors which regulate the development of umbilical cord blood derived stem cells, *Proceedings of the Romanian Academy series B*, 2004, 2:129-135 ISSN 1454-8267).
3. Brehar FM, Ciurea A.V., **Chivu Mihaela**, Zărnescu Otilia, Radulescu R., Dragu Denisa. The development of xenograft glioblastoma implants in nude mice brain. *Journal of Medicine and Life* 2008, Vol. I, No. 3, July - September (ISSN 1844-122x). Indexat BDI: CNCIS B+.
4. Coralia Bleotu, Cristian Radu Popescu, Gabriela Anton, Adriana Plesa, Raluca Grigore, Luminita Welt, Ioana Aldea, Roxana Dragusel, **Mihaela Chivu**, Georgiana Matei, Costin Cernescu. Tracking

- down of laryngo-pharyngeal metastasis. Romanian Archives of Microbiology and Immunology 2010,3: 153-163 (ISSN 1220-8485), Indexat BDI: MEDLINE, CNCSIS B+
5. Diaconu C. Carmen, Neagu I. Ana, Lungu Razvan, Tardei Gratiela, Alexiu Irina, Bleotu Coralia, **Chivu Economescu Mihaela**, Bumbacea S. Roxana, Pele Irina, Bumbacea Dragos. Plasticity of regulatory T cells under cytokine pressure. Romanian Archives of Microbiology and Immunology 2010, 4:190-196 (ISSN 1220-8485). Indexat BDI: MEDLINE, CNCSIS B+
 6. Eliza Gangone, Dragos Romanescu, **Mihaela Chivu-Economescu**, Coralia Bleotu, Dana Tomescu, Simona Carniciu, Cristian Guja, Simona Dima, Constantin Ionescu-Tîrgoviște, Irinel Popescu. Total pancreatectomy with autologous islet cells transplantation, Proceedings of the Romanian Academy series B, 2013, 15(1), p. 7–13.
 7. Simona O. Dima, **Mihaela Chivu-Economescu**, Raluca Purnichescu-Purtan, Anca Nastase, Nicolae Bacalbașa, Raluca Florea, Coralia Bleotu, Carmen Diaconu, Dan G. Duda, Vlad Herlea, Irinel Popescu. MAP4K4 Expression is selectively upregulated and increases cell invasion in pancreatic ductal adenocarcinoma. J. Transl. Med. Res 2016;21(1):32-37

7. ARTICOLE PUBLICATE IN JURNALE DIN TARA:

1. **Mihaela Chivu**, Irina Alexiu, Coralia Bleotu, Daniela Rojanschi, Iuliana Crisan, Doinita Pop, V.Jucu, A.Mutiu, Activitatea antivirală a unor compusi de tip flavonoid de extractie naturală. Actiunea quercetinei asupra multiplicării virusului herpes simplex in vitro, Studii si Cercetari de Virusologie 2000, 30 (2): 41 – 47 (ISSN 1841-1088).
2. **Mihaela Chivu**, Potentialul de diferentiere al celulelor stem pluripotente umane: concepte de baza si definitii, Studii si Cercetari de Virusologie 2002, 32(2), 1-11 (ISSN 1841-1088).
3. **Mihaela Chivu**, Carmen C. Diaconu, Lorelei Brasoveanu, Irina Alexiu, Coralia Bleotu, G. Bănceanu, C. Cernescu, Diferentierea pe linia mieloidă a progenitorilor hematopoietici din sângele de cordon ombilical, Studii si Cercetari de Virusologie 2002, 32 (1): 1 – 13 (ISSN 1841-1088).
4. Carmen C. Diaconu, E. Volanschi, M. Hillebrand, C. Bleotu, **M. Chivu**, L. Vijan, A. Târsoaga, I. Alexiu, B. Ionescu, S. Croitoru, S. Ruta, C.N. Zaharia, C. Cernescu, Rezistentă multiplă la medicamente – noi strategii de evaluare in silico, Studii si Cercetari de Virusologie 2002, 32(1):14-28 (ISSN 1841-1088).
5. Marius Cornitescu, **Mihaela Chivu**, Costin Cernescu, Fluorimetric data regarding the combined in vitro action of quercetin and its solvent DMSO on plasma membrane”, Studii si Cercetari de Virusologie 2002, 32 (2): 68-73 (ISSN 1841-1088).
6. **Mihaela Chivu**, Coralia Bleotu, Irina Alexiu, Carmen C. Diaconu, Lorelei Brasoveanu, S. Croitoru, C. Cernescu, Proliferarea celulelor stem hematopoietice in sisteme de cultura ex vivo, Studii si Cercetari de Virusologie 2003, 33 (2): 15-26 (ISSN 1841-1088).
7. Coralia Bleotu, Carmen Diaconu, **Mihaela Chivu**, Irina Alexiu, Lorelai Brasoveanu, Gabriela Anton, S. Croitoru, Simona Ruta, C. Cernescu, Caracteristicile liniei celulare TV, derivata dintr-o tumora de laringe, Studii si Cercetari de Virusologie 2003, 33 (2): 41-48 (ISSN 1841-1088).
8. **Mihaela Chivu**, Evaluarea impactului a diferite conditii de cultura asupra capacitatii replicative si functionale a celulelor stem hematopoietice, Studii si Cercetari de Virusologie, 2004, 34 (1):43-48 (ISSN 1841-1088).

9. **Chivu M.**, Bleotu C., Sultana C., Cornianu-Dragan S., Russu M.C., Nastasia S., Hudită D., Cernescu C., Evaluarea impactului unor variabile materne si obstetrice asupra calitatii sângelui de cordon utilizabil in transplant, Studii si Cercetari de Virusologie 2005, 35 (1): 3 - 8.
 10. Irina Alexiu, **Mihaela Chivu**, Carmen Diaconu, Coralia Bleotu, Anda Dragodan, C. Cernescu, Testarea susceptibilității la aciclovir a unor izolate de herpes simplex obtinute in perioada ianuarie-martie 2001, Studii si Cercetări de Virusologie 2005, 35(2), 169-173. (ISSN 1841-1088)
 11. Coralia Bleotu, Carmen Cristina Diaconu, Camelia Grancea, Liliana Popescu, Simona-Maria Ruta, **Mihaela Chivu**, Constanta Antipa, Luminita Welt, Ana Neagu, Irina Alexiu, Raluca Drăgusin, Oana Ciocan, Laura Dragomir, Mihaela Closcă, C.R.Popescu, Cristina Goia, Gabriela Anton, Infectia virală herpetică la pacienti cu limfoame cu determinare in sfera ORL si pacienti cu adenopatii metastatice, Studii si Cercetări de Virusologie 2006, 36(1): 11-22 (ISSN 1841-1088).
 12. Coralia Bleotu, Gabriela Anton, Adriana Plesa, Liliana Popescu, **Mihaela Chivu**, Luminita Welt, Raluca Drăgusin, Laura Dragomir, C.R.Popescu, Anca Botezatu, C.Cernescu, Virusul HPV in adenopatii metastatice satelite cancerelor laringo-faringiene, Studii si Cercetări de Virusologie 2006, 36(2): 107-114 (ISSN 1841-1088).
8. LUCRARI COMUNICATE LA CONFERINTE INTERNATIONALE CU REZUMAT PUBLICAT IN REVISTA INDEXATA CLARIVATE ANALYTICS (ISI):
1. Bleotu C., Anton G., Plesa A., **Chivu M.**, Alexiu I., Dragusin R., Popa I., Cernescu C., Genomic plasticity is frequent in HPV-associated carcinogenesis, The 31st FEBS Congress Molecules in Health and Disease, 24-29 Junie 2006, Istanbul, Turcia, publicat in FEBS Journal (ISSN 1742-464X) 2006, Vol. 273 Pages: 355-355. **IF 4,53**
 2. M. E. Hinescu, A. Arghir, G. Cardos, C. Diaconu, **M. Chivu**, L. Dragomir, N. Berbec, M.Closca, R. Colesniuc, M. Bari, A. Lupu, D. Mut-Popescu, A. Lungeanu, Cytogenetic and molecular study of BCR/ABL negative chronic myeloproliferative disorders: preliminary data, Poster 7.84-P prezentat la "6th European Cytogenetics Conference" 6-10 iulie 2007, Istanbul, Turkey, publicat in Chromosome Research, Springer (ISSN 0967-3849), Vol 15 nr 1/2007, pag 206-2007. **IF 2,909**
 3. Zărnescu Otilia, Brehar Felix Mircea, **Chivu Mihaela**, Teodorescu Daniela. Apoptosis in Glioblastoma Xenograft: Immunohistochemical expression of caspase 3, 8, 9 si Bax. Abstract publicat in Virchows Archiv (ISSN 0945-6317) 2008, 452 (suppl 1):S155-156. **IF 2,936**
 4. Bleotu C; **Chivu M**; Alexiu I, et al. New in vitro models for understanding molecular mechanism of oncogenesis. Joint Conference of the 33rd FEBS Congress/11th IUBMB, 28 Jun – 03 Jul, 2008 Athens Greece, FEBS Journal (ISSN 1742-464X) 2008, 275: 329-329. **IF 4,53**
 5. Sirbu-Boeti Mirela-Patricia, Dulămea Adriana, **Chivu Mihaela**, Bleotu Coralia, Efrimescu Cătălin, Câmpeanu Ana, Popescu Irinel. Biological dressing with mesenchymal stem cells for pressure ulcers gives hope of cure to a paraplegic patient with multiple sclerosis. Lucrare prezentată la ISEH - Society for Hematology and Stem Cells 2008, 9-12 iulie Boston, USA. Abstract publicat in Experimental Hematology (ISSN 0301-472X) 2008, 36(7) (suppl 1): LB-P177. **IF 2,436**.

6. Zarnescu O, Brehar FM, Chivu M. Morphological and imunohistochemical characterisation of U87 glioblastoma xenografts in nude mice, lucrare prezentata la „33rd National Congres of the Italian Society of Histochemistry”, Roma 8-10 iunie, 2009, European Journal of Histochemistry (ISSN 1121-760X) 2009, 53(1):p 55. IF 2,217
7. Florica Toparceanu, Rodica Rusu, Loretta Ichim, Daniela Pasarica, Mihaela Chivu. Procalcitonin (PCT), C-reactive protein (CRP) and ceruloplasmin (CP) as serum markers to distinguish between bacterial and viral neuroinfections, poster prezentat la Excellence in Paediatrics Symposium, 3-6 Decembrie 2009, Florenta, Italia, PP067; abstract publicat in Child Care Health and Development (ISSN 0305-1862), 2010, vol. 36(suppl 1), p80. IF 1,3699
8. Alexiu I, Tardei G, Luca C, Chivu M, Sultana C, Grancea C, Stoina M, Diaconu CC. Interleukin-6, tumor necrosis factor-alpha polymorphisms and HBV infection status in two transplant patient groups, 35th Congress of the Federation-of-European-Biochemical-Societies Conference Jun 26-Jul 01, 2010, Gothenburg, Sweden; abstract publicat in FEBS Journal (ISSN 1742-464X) 2010, no. 277, p: 52-52. IF 4,53
9. G. Pircalabioru , M.C. Chifiriuc Balotescu, B. Gilea, V. Lazar, L. Dascalu, G. Enache, M. Hirt, A. Dragodan, M. Chivu, C. Bleotu, P1988 Demonstration of the role of heat shock proteins in *Vibrio parahaemolyticus* pathogenesis by in vitro and in vivo approach, prezentat la 20th European Congress Of Clinical Microbiology And Infectious Diseases, 10 – 13 aprilie 2010, Vienna, Austria, cu abstract publicat in Clinical Microbiology and Infection (ISSN 1198-743X), 16, S2, p. 459, 2010. IF 5,394
10. Colita A, Colita A, Arion C, Lupu A, Puscariu T, Dobrea C, Closca M, Ciocan O, Diaconu C, Chivu M, Talmaci R, Coriu D, Avram S. Favorable response to alpha-interferon in a pediatric patient with agnogenic myeloid metaplasia combined with FV leiden anomaly, 15th Annual Meeting of the European-Hematology-Association Conference, Jun 10-13, 2010, Barcelona, SPAIN Haematologica -The Hematology Journal (ISSN 0390-6078) 2010, no. 95 p. 1521. IF 5,935
11. Aldea IM, Bleotu C, Brehar F, Botezatu A, Diaconu CC, Chivu Economescu M, Lisievici M, Gorgan RM, Anton G. Investigation of some epigenetic markers in glioblastoma, 9th International Symposium on Targeted Anticancer Therapies MAR 07-09, 2011, Paris, France, Annals Of Oncology (ISSN 0923-7534) 2011, 22(3), 43-43. IF 13,93
12. Dragu DL, Economescu Chivu M, Necula LG, Badea L, Dima SO, Tudor S, Nastase A, Popescu I, Diaconu CC, New molecular markers associated with gastric adenocarcinoma development and progression, 9th International Symposium on Targeted Anticancer Therapies, March 07-09, 2011, Paris, France, Annals Of Oncology (ISSN 0923-7534) 2011, 22(3), 26-26. IF 13,93
13. Bleotu C., Sirbu Boeti M.P., Dragu L.D., Efrimescu C.I., Vasilescu M., Ceafalan L., **Chivu Economescu M.**, Moldovan L., Ciucur E., Vlad J.L., Dima S.O., Paslaru L.L., Popoescu I., In vivo tracking of engrafted MSCs and their healing impact on acute iatrogenic cutaneo-muscular wounds in rats, 36th FEBS Congress, Torino, Italy, June 25-30, 2011, publicat in FEBS Journal (ISSN 1742-464X) 2011, Vol. 278 pag: 355-355. IF 4,53
14. Denisa Laura Dragu, **Mihaela Chivu-Economescu**, Laura G. Necula, Lilia Matei, Carmen C. Diaconu, New potentially targets to for inhibition the of metastatic and invasion capacity of gastric

cancer cells, poster prezentat in cadrul Congresului FEBS, Saint Petersburg, Rusia, 2013, publicat in FEBS Journal (ISSN 1742-464X) 2013 Vol 280 (supl 1) pag 79. **IF 4,53**

15. Lilia Matei, George M. Nitulescu, Ioana M. Aldea, Coralia Bleotu, **Mihaela Chivu-Economescu**, Carmen C. Diaconu, Synthesis and evaluation of antitumoral activity of some new pyrazolic compounds, poster prezentat in cadrul Congresului FEBS, Saint Petersburg, Rusia, 2013, publicat in FEBS Journal (ISSN 1742-464X) 2013 Vol 280 (supl 1) pag 306-307. **IF 4,53**
16. Dima SO, Tica V, Eftimie M, Nastase A, Bacalbasa N, Diaconu C, Bleotu C, **Chivu-Economescu M**, Herlea V, Duda D, Popescu I. The Role of MAP4K4 and S100A4 in Pancreatic Ductal Adenocarcinoma, 45th Anniversary Meeting of APA & JPS (11/05/2014 – 11/08/2014), publicat in Pancreas 2014, 43(8):1340-1429 ISSN: 0885 – 3177) **IF 2,958**
17. Cazacu IM, Filippi A , Croitoru VM, Kitahara S, Matsui A, Lauwers G, Sorop A , Necula LG , Matei L, Pechianu C, Croitoru AE, Herlea V, Saftoiu A, Paul D, **Chivu-Economescu M**, Dima S, Duda DG, Popescu I. Validation of a new scoring system for molecular subtyping of gastric cancer. *Annals of Oncology* 2021, Vol 32, Suppl. 6, S1356, Oct. 01, 2021. **IF 51,769**
18. Croitoru VM, Filippi A, Cazacu IM, Kitahara S, Matsui A, Lauwers G, Sorop A , Necula LG , Matei L, Pechianu C, Croitoru AE, Herlea V, Saftoiu A, Paul D, **Chivu-Economescu M**, Dima S, Duda DG, Popescu I. Prognostic significance of immune checkpoint molecule expression in resectable gastric adenocarcinoma. *Annals of Oncology* 2021, Vol 32, Suppl. 6, S1356, Oct. 01, 2021. **IF 51,769**

9. LUCRARI COMUNICATE LA CONFERINTE INTERNATIONALE CU REZUMAT PUBLICAT ÎN VOLUMUL DE REZUMATE:

1. **Mihaela Chivu**, Carmen Diaconu, Lorelei Brasoveanu, Irina Alexiu, Coralia Bleotu, C. Cernescu Clonogenic maturation of umbilical cord blood progenitor cells in presence of placental conditioned medium,– poster prezentat la Euresco Conference 2002-177: Cellular and Molecular Basis of Regeneration, Castelvechio Pascoli, Italia, 31 August - 5 Septembrie 2002, pp. 49.
2. **Mihaela Chivu**, Carmen C. Diaconu, Coralia Bleotu, Irina Alexiu, Claudia Constantin, C. Cernescu, Development of culture systems in order to expand hematopoietic stem cell number, poster prezentat la Euresco Conference 2004: Cellular and Molecular Basis of Regeneration, San Feliu de Guixols, Spania, 18-23 Septembrie 2004, pp. 15.
3. Diaconu C.C., **Chivu M.**, Bleotu C., Alexiu I., Anton G., Plesa A., Brasoveanu L., Cernescu C., Cellular factors of multidrug resistance (MDR) – New strategies of evaluation, poster prezentat la “World Conference on Antiinfectives”, Nurnberg Germania, 8-11 Septembrie 2004, pp. 32A.
4. Diaconu C.C., Bleotu C., **Chivu M.**, Alexiu I., Petrusca D., Anton G., Plesa A., Ruta S., Cernescu C., Escaping senescence and immortalization through development of larger cells of a human cancer cell line sustains the fractal approach to the evolution, poster prezentat la “Gordon research conference – biology of aging”, Aussois Franta, 12-16 Septembrie 2004.

5. Diaconu C.C., Bleotu C., **Chivu M.**, Alexiu I., Munteanu G., Petrusca D., Gheorghiu M., Pasarica D., Venetianer A., Cernescu C., Biochemical basis of hemin-induced apoptosis in resistant hepatoma cells, poster prezentat la "3rd Swiss apoptosis meeting", Berna Elvetia, 16-17 Septembrie 2004, pp. 11.
6. Diaconu C.C., Tardei G., **Chivu M.**, Bleotu C., Alexiu I., Croitoru S., Gheorghiu M., Pasarica D., Venetianer A., Cernescu C., Multiple mechanisms involved in hemin-induced apoptosis in resistant hepatoma cells, poster prezentat la a 5-a Conferință Interdisciplinară "Mechanisms of cell death and disease: Advances in therapeutic intervention and drug development", 22-25 octombrie 2004, Cascais, Portugalia, pp. P73.
7. **Chivu M.**, Diaconu C.C., Bleotu C., Cernescu C., A conditioned placental feeder cell medium allows expansion of hematopoietic stem cells, poster prezentat la European Consortium for Stem Cell Research Summer School "Stem Cells and Regenerative Medicine" 16-22 Septembrie 2005, Hydra, Grecia, pp. 15.
8. Irina Alexiu, Rodica Rusu, Coralia Bleotu, Alina Nastasie, Gabriela Anton, Ana Neagu, **Mihaela Chivu**, Florica Toparceanu, Mihai Stoian, Costin Cernescu, Metode clasice si moleculare in diagnosticul neuroinfectiilor virale; Poster la a IV-a conferință balcanică de microbiologie "Microbiologia Balkanika 2005", 23-26 noiembrie 2005, Bucuresti, Romania.
9. Coralia Bleotu, Adriana Plesa, Raluca Dragusin, **Mihaela Chivu**, Carmen Cristina Diaconu, Camelia Grancea, Gabriela Anton, The correlation of IFN gamma level with HPV DNA presence in sera of patients with oropharyngeal and laryngeal cancer, HPV & Cancer Meeting, 9-11 Noiembrie 2006, Torino, Italia.
10. Bleotu Coralia, Rută Simona Maria, Plesa Adriana, Grancea Camelia, Diaconu Carmen Cristina, Anton Gabriela, **Chivu Mihaela**, Popescu Radu Cristian, Cernescu Costin, Virus infection profile in laryngeal / pharyngeal cancer, 26-28 Mai 2006, Napoli, Italia.
11. **M Chivu**, S Nastasia, D Hudita, C Bleotu, CC Diaconu, Optimizing donor's selection criteria for cord blood banking facilities, poster prezentat in cadrul "Second Euroconference on Biobanking" 9-11 martie 2007, Cascais, Portugal, rezumat publicat P6 in vol de rezumate.
12. Mirela-Patricia Sirbu-Boeti, Catalin Efrimescu, Liliana Livia Paslaru, Vlad Herlea, Carmen Mitran, Alexandru Cristescu, **Mihaela Chivu**, Lucia Moldovan, Coralia Bleotu, Cristina Vidulescu, Mihnea Ionescu, A new tissue engineering method for repair of the bowel wall, poster prezentat la "**16th Asian Congress of Surgery in conjunction with the 3rd Chinese Surgical Week**", 19-22 octombrie 2007, Beijing, China, publ in vol de rezumate P114
13. Brehar FM, **Chivu M**, Anton G, Coroiu V, Ciurea VA, Zarnescu, Identification of injected human glioblastoma cells into mouse brain, Comunicare in cadrul "8th Multinational Congress on Microscopy", 17-21 iunie 2007, Prague, Czech Republic.
14. Zarnescu, FM Brehar, **M Chivu**, A Plesa, G Anton, AV Ciurea, Behavior of human mesenchymal stem cells transplanted in mice bearing intracranial human glioblastoma xenografts, - Comunicare in cadrul ELSO 2007 – Frontiers of cellular, developmental and molecular biology, 1-4 Septembrie 2007 Dresden, Germany, publicată in volum de rezumate ELSO 2007 Proceedings pag 129

15. Sirbu-Boeti Mirela Patricia, **Chivu Mihaela**, Pâslaru Liliana Livia, Herlea Vlad, Efrimescu Cătălin, Bleotu Coralia, Moldovan Lucia, Ciucur Elena, Ionescu Ion Mihnea. The role of mesenchymal stem cells in the repairing of digestive wall defects. (Rolul celulelor stem mezenchimale in repararea defectelor peretelui digestiv.) Lucrare prezentată la „6th ISSCR - International Society for Stem Cell Research - Annual Meeting 2008”, 11-14 iunie 2008, Philadelphia, USA, SAT-638, p 417.
16. **Mihaela Chivu**, Coralia Bleotu, Laura Dragomir, Patricia Sirbu-Boeti, Cătălin Efrimescu, Lucia Moldova, Mihnea Ionescu. Tissue engineering techniques with applications in surgical treatment of digestive wall defects. (Tehnici de inginerie tisulară cu aplicatii in tratamentul chirurgical al defectelor peretelui digestiv). Lucrare prezentată in cadrul CONSERT Labcourse: Lentiviral vectors: concepts, practice, hope and reality, 29 iunie – 5 iulie 2008, University of Evry, Franta, p23.
17. A.O. Dulămea, M.P. Sirbu Boeti, S. Dulămea, **M. Chivu**, C. Bleotu, C. Efrimescu, A. Câmpeanu, I. Popescu. Mesenchymal stem cells effect in severe neuromyelitis optica. (Efectul celulelor stem mezenchimale in neuromielita optică severă). Lucrare prezentată la „2nd World Congress in Controversies in Neurology”, 23-26 octombrie 2008, Atena, Grecia, A-74. *Lucrarea a primit calificativul „Outstanding Abstract Award”.*
18. **Mihaela Chivu**, Simona O. Dima, Cosmin I. Stancu, Camelia Dobrea, Valentina Uscătescu, Laura G. Dragomir, Coralia Bleotu, Carmen Ardeleanu, Irinel Popescu. Induction of liver-specific gene expression in human mesenchymal stem cells. Lucrare prezentată in cadrul simpozionului „Stem cells and regenerative medicine - Actualities and Perspectives”, 6-7 noiembrie 2008, Bucuresti, România, p16.
19. Mirela-Patricia Sirbu Boeti, **Mihaela Chivu**, Coralia Bleotu, Lucia Moldovan, Cătălin Efrimescu, Elena Ciucur, Adriana Dulămea, Mihnea Ionescu, Irinel Popescu. Transplantation of mesenchymal stem cells as an alternative therapy for major soft tissue defects. Lucrare prezentată in cadrul simpozionului „Stem cells and regenerative medicine - Actualities and Perspectives”, 6-7 noiembrie 2008, Bucuresti, România, p33.
20. Dorel Vlad, Carmen Călugaroiiu, Simona Dima, Tatjana Puscariu, Adriana Dumitrescu, **Mihaela Chivu**, Ileana Dima, Jeni Laura Vlad, Irinel Popescu. Umbilical cord blood collection, separation and cryopreservation. Experimental research. Lucrare prezentată in cadrul simpozionului „Stem cells and regenerative medicine - Actualities and Perspectives”, 6-7 noiembrie 2008, Bucuresti, România, p36.
21. Felix Brehar, Coralia Bleotu, Laura Stefan, Lilia Matei, **Mihaela Chivu**, Alexandra Tascu, Alexandru Vlad Ciurea. Isolation and partial characterisation of glioblastoma stem-like cells. Lucrare prezentată in cadrul simpozionului „Stem cells and regenerative medicine - Actualities and Perspectives”, 6-7 noiembrie 2008, Bucuresti, România, p30.
22. Dima Simona Olimpia, **Chivu Mihaela**, Stancu Cosmin, Dobrea Camelia, Uscatescu Valentina, Necula Laura, Bleotu Coralia, Ardeleanu Carmen, Popescu Irinel. In vitro hepatic differentiation of mesenchymal stem cells under differential exposure to liver-specific factors, lucrare prezentata 10th International Cell Transplant Society Congress, 15-24 Aprilie 2009, Okayama, Japan S8-06.

23. **Mihaela Chivu**, Laura G. Necula, Adriana Dumitru, Liliana Dumitru, Simona O. Dima, Anca Nastase, Liviu Badea, Gabriel Constantinescu, Irinel Popescu, Carmen C. Diaconu. IL11 and STAT3 as potential biomarkers for gastric adenocarcinoma progression, FEBS Special Meeting: JAK/STAT signaling: From Basics to Disease, 10-13 februarie 2010, Viena, Austria, p64.
24. Laura G. Necula, **Mihaela Chivu**, Coralia Bleotu, Adriana Dumitru, Liliana Dumitru, Gabriel Constantinescu, Simona O. Dima, Irinel Popescu, Carmen C. Diaconu. Evidence of STAT3 hyperactivity in serum and mucosa of patients with gastric cancer, FEBS Special Meeting: JAK/STAT signaling: From Basics to Disease, 10-13 februarie 2010, Viena, Austria, p113.
25. Dragu D., Matei L., Brehar F., **Chivu Economescu M.**, Nastase A., Badea L., Zarnescu O., Aldea I., Dima S., Diaconu C., Ciurea A., Bleotu C. Tumoral and metastatic potential of neural cell maintained in different culture systems. FEBS workshop: Therapeutic Targets in Cancer Cell Metabolism and Death, 23-26 octombrie 2010, Capri, Italy.
26. **Mihaela Chivu**. Directing human mesenchymal stem cells to express liver specific genes. Exploratory Workshop "Trends in Stem Cell Biology and Embryology", 22-23 septembrie 2010 București, Romania.
27. C. C. Diaconu, L.G. Dragomir Necula, **M. Chivu**, M. Closca-Gheorghiu, A. R. Lupu, A. Arghir, G. Cardos, A. Neagu, C. Bleotu, I. Alexiu, D. Dragu, L. Matei, I. Aldea, M. Ataman, C I. Stancu, D. Mut-Popescu, A. Lungeanu, M. E. Hinescu, S. N. Constantinescu, Exploring Molecular Mechanisms involved in Transformation of Hematopoietic Stem Cells in BCR-ABL Negative Myeloproliferative Neoplasms, 2nd International Conference and International Training Course (ITC) Alumni Meeting on "Multidisciplinary Approaches to Biological Problems", 1-3 September 2011, Szeged, Hungary.
28. **Mihaela Chivu-Economescu**, Laura G. Necula, Coralia Bleotu, Denisa Dragu, Simona O. Dima, Adriana Dumitru, Gabriel Constantinescu, Irinel Popescu, Carmen C. Diaconu, In search of a gastric cancer molecular signature, „Academician Nicolae Cajal Symposium, 28-30 March 2012, Bucharest, Romania.
29. **Mihaela Chivu-Economescu**, Laura G. Necula, Denisa Dragu, Coralia Bleotu, Lilia Matei, Simona O. Dima, Adriana Dumitru, Gabriel Constantinescu, Irinel Popescu, Carmen C. Diaconu, New insights into the molecular etiology of gastric cancer, Congresul National de Oncologie Medicala si Radioterapie (cu participare internationala), 18-20 octombrie 2012, Sinaia, Hotel International.
30. Simona Dima, **Mihaela Chivu**, D. Duda, V. Herlea, Valeria Tica, D. Chirita, M. Eftimie, Coralia Bleotu, Carmen Diaconu, I. Popescu. Expression and clinical significance of S100A4 and MAP4K4 in pancreatic carcinoma, Lucrare prezentata in cadrul „Academician Nicolae Cajal Symposium: 27-29 Martie 2013, Bucuresti, Romania.
31. Carmen C. Diaconu, Laura G. Necula, Ana I. Neagu, Ioana M. Aldea, Cristina Mambet, Lilia Matei, Denisa Dragu, Marius Ataman, **Mihaela Chivu Economescu**, Coralia Bleotu, Christian Pecquet, Ming L. Choong, May Ann Lee, Maria Grigoroiu-Serbanescu, Stefan N. Constantinescu. Therapeutic Target Validation Strategies Using Viral Vectors, International Joint Meeting of the Federation of European Academies of Medicine Spring Conference and The IXth "Academician Nicolae Cajal" Symposium, 12-14 Mai 2014, Bucuresti

32. Laura G. Necula, **Mihaela Chivu Economescu**, Coralia Bleotu, Denisa Dragu, Gabriel Constantinescu, Simona O. Dima, Irinel Popescu, Carmen C. Diaconu, Potential molecular targets for gastric cancer therapy, prezentare in cadrul Academician Nicolae Cajal Symposium, 1-4 April 2015, Bucharest, Romania.
33. Dragu DL, Matei L, Neacsu IA, Zurac S, Necula LG, Mambet C, Fica A, Neagu AI, **Chivu-Economescu M**, Tihuan B, Kamerzan C, Andronescu E, Diaconu CC, Bleotu C. The cytotoxicity and biocompatibility of new collagen – ZnO nanoparticle composites for wound healing applications. Poster- A XIII-a editie a Simpozionului Academician Nicolae Cajal, 2018 – Diplomă de Excelență, locul I pentru participarea cu poster la Simpozionul Academician Nicolae Cajal, 2018
34. Alexiu I, Matei L, Pitica IM, Dragu LD, Popa M, Marutescu L, Coman C, **Economescu-Chivu M**, Necula LG, Mambet C, Neagu AI, Nedeianu S, Diaconu CC, Crisan I, Bleotu C, Three medicinal plants tested for their antimicrobial and antiviral activity, poster la 2nd World Congress and Expo on Traditional and Alternative Medicine, Roma, 14-16 iunie 2018. (premiu pentru cel mai bun poster)
35. Matei L, Pitica IM, Dragu LD, Coman C, **Economescu-Chivu M**, Alexiu I, Necula LG, Mambet C, Neagu A, Nedeianu S, Diaconu CC, Crisan I, Bleotu C. The antiviral and immunomodulatory activities of Chelidonium majus L. and of Tamarix gallica extracts. Poster prezentat la a XIII-a ediție a Simpozionului Academician Nicolae Cajal, 22-24 martie, 2018, București, România
36. **Mihaela Chivu-Economescu**. Identification and validation of KRT17 as new therapeutic target in gastric cancer, prezentare in cadrul The Annual International Conference of the Romanian Society of Biochemistry and Molecular Biology Bucharest, 5-7th September, 2018
37. Sîrbu M, Șorop A, **Chivu-Economescu M**, Dima L, Chiosa A, Dima S, Popescu I. Molecular classification of gastric cancer opens new opportunities into personalized treatment. Poster presentation at XIV edition of Academician Nicolae Cajal Simposion, 17-19 October 2019, Bucharest, Romania.
38. Mambet C, Necula LG, Mihai S, Matei L, Neagu AI, Mocanu G, Stanca O, Triantafyllidis I, Manolache R, Colita A, Tatic A, Calotă G, Sotcan MA, Popov V, Bumbea H, **Chivu-Economescu M**, Bleotu C, Berbec N, Vladareanu AM, Lupu AR, Coriu D, Tanase C, Diaconu CC, Constantinescu SN. Plasma protein analysis in philadelphia-negative myeloproliferative neoplasms. Presentation at XIV edition of Academician Nicolae Cajal Simposion, 17-19 October 2019, Bucharest, Romania.
39. Necula LG, Matei L, Dragu D, Neagu AI, Pitica I, Nedeianu S, Mambet C, Bleotu C, Dima S, Popescu I, Diaconu CC, **Chivu-Economescu M**. Plasma level of COL10A1 is associated with tumor stage and survival in patients with Gastric Cancer, presentation at “Advances in Cancer Research and Therapy”, 11-12 November 2019, Madrid, Spain.
40. Matei L, Dragu D, Necula LG, Neagu AI, Pitica I, Nedeianu S, Mambet C, Bleotu C, Dima S, Popescu I, Diaconu CC, **Chivu-Economescu M**. Classification of Gastric Cancer samples according to protein expression and MSI status based algorithm, presentation at “Advances in Cancer Research and Therapy”, 11-12 November 2019, Madrid, Spain.
41. **Mihaela Chivu-Economescu**, Laura G. Necula, Lilia Matei, Denisa Dragu, Ana Iulia Neagu, Coralia Bleotu, Andrei Sorop, Vlad Herlea, Simona Dima, Irinel Popescu and Carmen C. Diaconu. Soluble

PD-L1 Level is Correlated with its Expression in Tissue and is Associated with Poor Overall Survival in Gastric Cancer. The 3rd Immuno-Oncology World Congress, 2-3 November 2022, Copenhagen, Denmark

42. Matei L., **Chivu-Economescu M.**, Voicu O.L., Sultana M.C., Radu E., Bleotu C., Diaconu C.C., Ruta S.M. "Persistence of anti-SARS-CoV-2 cellular immune response developed post-infection or postvaccination", 33rd European Congress of Clinical Microbiology and Infectious Diseases (ECCMID 2023), 15 – 18 April 2023, Copenhagen, Denmark. Oral ePoster presentation.
43. Matei L., **Chivu-Economescu M.**, Dragu D., Voicu O., Sultana C., Radu E., Bleotu C., Diaconu C., Ruta S.M. „Persistence of Anti-SARS-CoV-2 Immune Response / Persistența răspunsului imun anti-SARS-CoV-2”, Simpozionului „Academician Nicolae Cajal”, 28 – 29 March 2024, Bucuresti, Romania. Oral presentation
44. **Chivu-Economescu M.**, Herlea V, Dima S, Sorop A, Pechianu C, Procop A, Kitahara S, Necula L, Matei L, Dragu D, Neagu AI, Bleotu C, Diaconu CC, Popescu I, Duda DG. Elevated Circulating PD-L1 Levels Correlated with Tumor Progression and Poor Overall Survival in Gastric Cancer Patients, presentation at “Academician Nicolae Cajal Symposium” 28-29 martie 2024, Bucharest, Romania.

10. LUCRARI COMUNICATE LA CONFERINTE NATIONALE CU REZUMAT PUBLICAT IN REVISTE SI VOLUME CU ISBN SAU ISSN:

1. Marius Cornitescu, **Mihaela Chivu**, Costin Cernescu, Spectrofluorometric data regarding quercetin interaction with the cell membrane, poster prezentat la sesiunea stiintifica anuala a SRBBM, Bucuresti, 27 Septembrie 2002, Romanian Journal of Biochemistry 2002, 39, 1-2, pp. 5, ISSN 1582-3318.
2. Carmen C. Diaconu, Coralia Bleotu, **Mihaela Chivu**, Irina Alexiu, Luminita Danga, Bogdan Ionescu, C.N. Zaharia, Simona Ruta, Costin Cernescu, From raw data to drug discovery cellular multidrug resistance factors data base annotation pipeline, poster prezentat la sesiunea stiintifica anuala a SRBBM, Bucuresti, 27 Septembrie 2002, Romanian Journal of Biochemistry 2002, 39, 1-2, pp. 211, ISSN 1582-3318.
3. Coralia Bleotu, Carmen C. Diaconu, Gabriela Anton, **Mihaela Chivu**, Daniela Petrusca, Irina Alexiu, Luminita Dânga, M. Petica, C. Popescu, Simona M. Ruta, C. Cernescu, Initiation and characterization of tumoral cell lines – a useful model system for studying the biological significance of viral carcinogenesis, poster prezentat la sesiunea stiintifica anuala a SRBBM, Bucuresti, 27 Septembrie 2002, Romanian Journal of Biochemistry 2002, 39, 1-2, pp. , ISSN 1582-3318.
4. **Mihaela Chivu**, Coralia Bleotu, Irina Alexiu, Lorelei Brasoveanu, Serban Croitoru, Carmen C. Diaconu, C. Cernescu, Serum-free co-culture system for ex vivo expansion of hemopoietic progenitor cells using mouse bone marrow primary stromal cells, poster prezentat la sesiunea

- stiintifica anuala a SRBBM, Bucuresti, 12 Decembrie 2003, Romanian Journal of Biochemistry 2003, 40, 3-4, pp. 40, ISSN 1582-3318.
5. Coralia Bleotu, Carmen C. Diaconu, **Mihaela Chivu**, Irina Alexiu, Gabriela Anton, S. Croitoru, S.M. Ruta, C. Cernescu, A new cell line available to support isolation and growing of viruses, poster prezentat la sesiunea stiintifica anuala a SRBBM, Bucuresti, 12 Decembrie 2003, Romanian Journal of Biochemistry 2003, 40, 3-4, pp. 38, ISSN 1582-3318.
6. **Mihaela Chivu**, Strategii de optimizare a unor sisteme de cultură pentru celulele stem hematopoietice, prezentare orală in cadrul Simpozionului VIASAN 2004, 3 noiembrie 2004, rezumat publicat pp. 14, ISBN 973-708-003-3.
7. Coralia Bleotu, Carmen C. Diaconu, Gabriela Anton, Raluca Drgusin, Oana Ciocan, Ileana Popa, **Mihaela Chivu**, Irina Alexiu, Camelia Grancea, Simona M. Ruta, C.R. Popescu, C.C. Cernescu, EBV involvement in lymphomas with head and neck localization, poster prezentat in cadrul Simpozionului VIASAN 2004, 3 noiembrie 2004, pp. 97, ISBN 973-708-003-3.
8. Diaconu C.C, **Chivu M.**, Bleotu c., alexiu I., Anton G., Plesa A., Brasoveanu L., Cernescu C., Factori ccelulari de rezistenta multipla (MDR) – Noi strategii de evaluare, prezentare orală in cadrul Simpozionului VIASAN 2004, 3 noiembrie 2004, pp. 19, ISBN 973-708-003-3.
9. **Chivu M.**, Bleotu C., Neagu A.I., Nastasia S., Hudită D., Donor's selection criteria for cord blood banking facilities, poster prezentat la simpozionul VIASAN „De la medicina moleculară si celulară la medicina clinică”, 27 octombrie 2006, p 54, Bucuresti, Romania, ISBN 10973-708-004-1.
10. Bleotu C., Anton G., Plesa A., **Chivu M.**, Alexiu I., Dragusin R., Popa I., Cernescu C., Genomic plasticity is frequent in HPV-associated carcinogenesis, Chromosomal instability-a hallmark of laryngeal and pharyngeal carcinogenesis HPV induced, Simpozion VIASAN „De la medicina moleculară si celulară la medicina clinică”, 27 octombrie 2006, p 52, Bucuresti, Romania, ISBN 10973-708-004-1.
11. Laura Dragomir, **Mihaela Chivu**, Carmen C. Diaconu, Agripina Lungeanu, Aura Arghir, Mihaela Closca, Delia-Mut Popescu, M Hinescu, S N Constantinescu, Detectia mutatiei JAK2 V617F in diagnosticul molecular si clasificarea mieloproliferărilor maligne (CEEX 111), Poster prezentat la Simpozionul National de Cercetare Stiintifică Medicală de Excelentă, 25-26 octombrie 2007, Sibiu, pag. 113, ISBN 978-973-708-272-5.
12. Cruceru Maria Linda, Popa A.C, Bausic, **Chivu M**, Evidentierea receptorilor Notch 1 pe celule CD34+ izolate din sange de cordon ombilical, lucrare prezentată la A37-a Conferință Natională de Imunologie, Iasi 19-21 septembrie 2007, pag 21, ISBN 978-973-716-707-1.
13. Gheorghe Savi, **Mihaela Chivu**, Ileana Savi, C. Ursaciuc, Model experimental “in vivo” pentru grefarea celulelor stem, lucrare prezentată la A37-a Conferință Natională de Imunologie, Iasi 19-21 septembrie 2007, pag. 19, ISBN 978-973-716-707-1.
14. Ileana Savi, **Mihaela Chivu**, Gheorghe Savi, C. Ursaciuc, Grefarea celulelor stem progenitoare / grefarea celulelor stem expansionate in model experimental murin, lucrare prezentată la A37-a

Conferință Națională de Imunologie, Iasi 19-21 septembrie 2007, pag. 20, ISBN 978-973-716-707-1.

15. **M. Chivu**, Al Neagu, L Dragomir, P. Sârbu-Boeti, C. Efrimescu, L. Moldovan, Irinel Popescu, Tehnici de inginerie tisulară bazate pe utilizarea celulelor stem mezenchimale -comunicare prezentată în cadrul Simpozionului Național de Cercetare Științifică Medicală de Excelență, 25-26 octombrie 2007, Sibiu, pag. 13, ISBN 978-973-708-272-5
16. **Mihaela Chivu**, Laura Dragomir, Simona Dima, Virginia Mirea, Patricia Beoti, Catalin Efrimescu, Camelia Dobre, George Savi, Cornel Ursaciuc, Ana Maria Iane, Gheorghe Peltecu, Irinel Popescu, Stefan N.Constantinescu, Laurentiu M. Popescu, Cell therapy: use of stem cells in animal models, Physiology 2007 vol.17, nr. 3 (55) ISSN 1223-2076, pag. 38
17. F Brehar, A.V. Ciurea, **Mihaela Chivu**, Zărnescu Otilia, Carmen Bunu, Human mesenchymal stem cells tropism for glioblastoma xenograft implants in nude mice: experimental models, Physiology 2007 vol.17, nr. 3 (55) ISSN 1223-2076, pag. 39
18. Coralia Bleotu, Elena Popa, G. Peltecu, Elena Nistor, Demetra Socolov, **Mihaela Chivu**, Cristina Goia, Anca Botezatu, F. Cornitescu, Gabriela Anton, p63 and the epithelial stem cell: value of mRNA level in cervical smear, Physiology 2007 vol.17, nr. 3 (55) ISSN 1223-2076, pag. 44-45
19. **Mihaela Chivu**, Patricia Sirbu-Boeti, Coralia Bleotu, Denisa Dragu, Laura Dragomir, Catalin Efrimescu, Lucia Moldovan, Mihnea Ionescu, Metode de inginerie tisulară cu aplicații în tratamentul chirurgical al defectelor peretelui digestive. Poster prezentat la Simpozionul Național VIASAN-CEEEX, 28-30 septembrie 2008, Sinaia, pag. 78, ISBN 978-973-708-341-8

11. LUCRARI COMUNICATE LA CONFERINTE NAȚIONALE CU REZUMAT PUBLICAT ÎN VOLUMUL MANIFESTĂRII ȘTIINȚIFICE:

1. Carmen C. Diaconu, Coralia Bleotu, **Mihaela Chivu**, Irina Alexiu, Luminita Danga, Bogdan Ionescu, C.N. Zaharia, Simona Ruta, Costin Cernescu, From raw data to drug discovery cellular multidrug resistance factors data base annotation pipeline, poster prezentat la sesiunea științifică anuală a ASM - MEC – “Conceput în România”, București, Octombrie 2002.
2. Coralia Bleotu, Carmen C. Diaconu, Gabriela Anton, Raluca Drăgusin, Oana Ciocan, Ileana Popa, **Mihaela Chivu**, Irina Alexiu, Camelia Grancea, Simona M. Ruta, C.R. Popescu, C.C. Cernescu, Epstein Barr infection in lymphomas with head and neck localization, poster prezentat la “12th Meeting of Balkan Clinical Laboratory Federation”, 15-18 septembrie 2004, Neptun, România, pp. 102.
3. Bleotu C, Diaconu CC, Anton G, Dragusin R, Popa I, Ciocan O, **Chivu M**, Alexiu I, Grancea C, Ruta SM, Popescu CR, Cernescu C, EBV in head & neck cancers and in lymphomas presenting head & neck involvement, SMRL: Al 4-lea Simpozion Național de Medicină de Laborator cu participare internațională, Cluj-Napoca, România, 18-21 Noiembrie, 2004, pp. 39.
4. **Mihaela Chivu**, Carmen C. Diaconu, Coralia Bleotu, Costin Cernescu, Condiții experimentale pentru susținerea multiplicării celulelor stem hematopoietice umane *in vitro*, prezentare

- sustinută la Simpozionul comemorativ "Acad. Nicolae Cajal – savant, professor, personalitate emblematică a medicinei românești", organizat de Academia Română, 30 – 31 martie, București 2005, rezumat pp. 25.
5. Carmen C. Diaconu, Gratiela Tardei, **Mihaela Chivu**, Coralia Bleotu, Irina Alexiu, Mihaela Gheorghiu, Daniela Pasarica, Aniko Venetianer, Costin Crrnescu, Bazele biochimice ale apoptozei induse de hemina in celulele de hepatom cu rezistenta multipla la compusi antitumorali, poster prezentat la "Al II-lea Simpozion Acad. Nicolae Cajal – Actualitari in Virusologie si Imunologie Medicala", 29-30 martie 2006, Bucuresti, Romania, pp.71.
 6. Coralia Bleotu, Adriana Plesa, Gabriela Anton, Simona Maria Ruta, Carmen C. Diaconu, Camelia Grancea, **Mihaela Chivu**, Luminita Velt, C. Cernescu, Argumente privind etiologia virala a unor tumori laringo-faringiene, poster prezentat la "Al II-lea Simpozion Acad. Nicolae Cajal – Actualitari in Virusologie si Imunologie Medicala", 29-30 martie 2006, Bucuresti, Romania, pp.64.
 7. **Mihaela Chivu**, Using flow cytometry for hematopoietic stem cells culture systems evaluation, Comunicare la "Al treilea congres national de citometrie", Congres national cu participare internatională, Bucuresti, 9-11 mai 2007, vol de rezumate, pag 50-51
 8. **M. Chivu**, P. Sarbu-Boeti, C. Efrimescu, C. Bleotu, L. Dragomir, L. Moldovan, Cultivarea celulelor stem mesenchimale in matrici de collagen 3D cu aplicatii in tehnici de inginerie tisulară - Comunicare in cadrul cel de-al treilea Simpozion Acad. Nicolae Cajal „Actualități in Virusologie si Imunologie Medicală”, 29-30 martie, 2007, Bucuresti, Romania, pag 41-42
 9. Coralia Bleotu, Adriana Plesa, Raluca Dragusin, **Mihaela Chivu**, Laura Dragomir, Carmen C. Diaconu, Camelia Gancea, CR Popescu, Gabriela Anton, C. Cernescu, Corelarea nivelului seric IFN γ cu prezenta ADN HPV in serul pacientilor cu cancere faringo-laringiene poster in cadrul cel de-al treilea Simpozion Acad. Nicolae Cajal „Actualități in Virusologie si Imunologie Medicală”, 28-29 martie, 2007, Bucuresti, Romania, pag 64
 10. Laura Dragomir, **Mihaela Chivu**, Gabriela Anton, Carmen C. Diaconu, et al. Molecular events Evenimente moleculare implicate in mieloproliferarile maligne bcr/abl negative. Congresul anual al asociatiei medicale romane 18-19 aprilie 2008. Premiul II la Sesiunea postere.
 11. **Chivu Mihaela**, Dima Simona, Stancu I. C., Bleotu Coralia, Dragomir G. Laura, Dobrea Camelia, Uscătescu Valentina, Ardeleanu Carmen, Popescu I. Diferentierea in vitro a celulelor stem mesenchimale in celule hepatice. Lucrare prezentată la „A 38-a Conferință anuală de imunologie” 24-26 Septembrie 2008, Busteni, România, p35-36.
 12. M.P. Sirbu-Boeti, C. Efrimescu, C. Bleotu, **M. Chivu**, L. Moldovan, J.L. Vlad, A. Dulamea, D. Eftimie, M. Ionescu, I. Popescu. Transplantul de celule stem mesenchimale in terapia defectelor tisulare majore. Lucrare prezentata in cadrul sesiunii stiintifice a Institutului Clinic Fundeni si a Institutului de boli cardiovasculare Prof. Dr. C.C. Iliescu „Medicina Translationala” 27-28 noiembrie 2008, pag 2.
 13. **M. Chivu**, L.G. Nacula, C. Bleotu, C.C. Diaconu, I. Alexiu, A. Dumitru, L. Dumitru, G. Constantinescu, S. Tudor, S.O Dima, I. Popescu. Semnalizarea intracelulara in adenocarcinomul gastric si esofagian. Lucrare prezentata in cadrul sesiunii stiintifice a Institutului Clinic Fundeni si a Institutului de boli cardiovasculare Prof. Dr. C.C. Iliescu „Medicina Translationala” 27-28 noiembrie 2008, pag 8.

14. **M. Chivu**, L. Necula, C. Bleotu, A. Dumitru, L. Dumitru, G. Constantinescu, S. Dima, I. Popescu, C. Diaconu, Evidence of STAT3 Hyperactivity in Serum and Mucosa of Patients with Gastric Cancer, lucrare prezentata la Al XI-lea Simpozion al Sectiunii Romane de **IASGO**, 01 - 04 aprilie **2009**, **Bucuresti**, pag **20**.
15. C.C. Diaconu, L.G. Dragomir Necula, A.I. Neagu, **M. Chivu**, I. Alexiu, C. Bleotu, D. Dragu, L. Matei, I. Aldea, G. Anton, M. Stoian, M. Serbanescu, S. Cichon, S.N. Constantinescu, Utilizarea vectorilor retrovirali in elucidarea mecanismelor patofiziologice si identificarea de terapii specifice. De la polimorfisme si mutatii la defecte functionale si tratament - Sesiunea Omagiala Prof. Nicolae Cajal, 1 octombrie 2009, Bucuresti.
16. L. Matei, F. Brehar, O. Zarnescu, **M. Chivu**, D. Dragu, A. Ciurea, I.C. Stancu, C. Bleotu, Caracteristicile celulelor stem neurale tumorale in diferite medii de cultura. Lucrare prezentată în cadrul Sesiunii Omagiale Nicolae Cajal, 1 octombrie 2009, Bucuresti.
17. **M. Chivu**, L. Necula, SO Dima, A. Nastase, L. Badea, C. Bleotu, C. Grancea, I.C. Stancu, D. Dragu, L. Matei, S. Tudor, A. Dumitru, L. Dumitru, G. Constantinescu, S. Dima, I. Popescu, C. Diaconu, Modifications of gp130 signalling in gastric epithelium during tumorigenesis. Lucrare prezentata in cadrul „Academician Nicolae Cajal Symposium: Translational Oncology, Cell therapy, Virology”, Bucuresti, 15-16 Aprilie 2010.
18. C. C. Diaconu, L. Dragomir Necula, **M. Chivu**, M. Closca-Gheorghiu, A. R. Lupu, A. Arghir, G. Cardos, A. Neagu, C. Bleotu, I. Alexiu, D. Dragu, L. Matei, I. Aldea, M. Ataman, C. I. Stancu, D. Mut-Popescu, A. Lungeanu, M. E. Hinescu, S. N. Constantinescu. Markerii moleculari in neoplasmele mieloproliferative. De la detectie la terapie selectiva, Lucrare prezentata in cadrul „Academician Nicolae Cajal Symposium: Translational Oncology, Cell therapy, Virology”, Bucuresti, 15-16 Aprilie 2010.
19. M. Closca-Gheorghiu, A. R. Lupu, L. Dragomir Necula, **M. Chivu**, C. C. Diaconu. Semnificatia clinică, prognostică si ajustarea managementului terapeutic în concordantă cu statusul mutational Jak2 V617F în mieloproliferările cronice Ph negative, Lucrare prezentata in cadrul „Academician Nicolae Cajal Symposium: Translational Oncology, Cell therapy, Virology”, Bucuresti, 15-16 Aprilie 2010.
20. **M. Chivu Economescu**, L.G. Necula, D. Dragu, L. Badea, S.O. Dima, S. Tudor, A. Nastase, I. Popescu, C.C. Diaconu. Potential biomarkers for gastric adenocarcinoma detection, Simpozionului de Tehnologii Avansate în Medicina 2010 (www.stam2010.ro), 11-12 noiembrie 2010, Bucuresti, organizat în cadrul Institutului National de Statistica, p20.
21. Matei L, Dinica C, Dragu LD, Brehar F, Necula LG, **Economescu M**, Diaconu CC, Bleotu C. The influence of micro-media on the glioblastoma cells features. Poster prezentat la conferința anuală „Zilele Medicale și Științifice ale Institutul Oncologic Prof. univ. dr. Alexandru Trestioreanu”, cu tema „Abordarea multidisciplinară a pacientului cu cancer”, 17 – 19 mai 2018, Bucuresti, România
22. Tatic A, Mambet C, Necula L, Matei L, Bleotu C, **Chivu-Economescu M**, Botezatu A, Anton G, Gurban P, Coriu C, Diaconu CC. - Relevanța prognostică a mutațiilor somatice în sindroame mielodisplazice/neoplasme mieloproliferative, A XXV-a Conferință națională de hematologie clinică medicină transfuzională, 10-14 oct. 2018

23. **Chivu-Economescu M**, Necula LG, Dragu D, Matei L, Neagu AI, Bleotu C, Sarbu M, Dima SO, Diaconu CC, Popescu I. New molecular classification of gastric cancer opens new avenues to novel therapeutic strategies, presentation at “The 12th National Pathology Symposium, sesiunea Omics in pathology, 21-23 noiembrie 2019, in Bucuresti.
24. **Mihaela ECONOMESCU**, Evaluation of tumor immune microenvironment to predict and guide immunotherapeutic response, presentation at “Al XIII Congres National de Citometrie”, Bucuresti 16-18 Dec 2020.
25. Teodora Vremera, Adriana Pistol, Simona Ruță, **Mihaela Chivu-Economescu**, Camelia Grancea, Mihaela Leuștean, Adina David, Adina Gâtea , Ciprian Ilie, Iuliana Radu, Ana Maria Cornienco. Rezultate preliminare ale studiului privind evoluția profilului anticorpilor la personalul medical vaccinat împotriva COVID-19. Presentation at “A XIN Conferinta nationala de Microbiologie si Epidemiologie”, 4-6 Noiembrie 2021.
26. **Mihaela Chivu-Economescu**, Lilia Matei, Laura Necula, Denisa Dragu, Ana-Iulia Neagu, Andrei Sorop, Coralia Bleotu, Simona Dima, Irinel Popescu, Carmen C. Diaconu. The Tumor Microenvironment and Immune Checkpoint Inhibition in Gastric Cancer. Presentation at CCSAR – 2021 “Conferinta Cercetarii Stiintifice din Academia Romana” 22-23 Noiembrie 2021.
27. **Mihaela Chivu-Economescu**. T cell immune responses to SARS-CoV-2 infection and vaccine. Presentation at “Al XIV Congres National de Citometrie”, Bucuresti 24-26 Noiembrie 2021.
28. **Mihaela Chivu**, Teodora Vremera Răspunsul imun post-vaccinare împotriva COVID-19 la personalul medical din România, Presentation at “A X-a ediție a Conferinței Naționale RoVaccin” Bucuresti 1-2 aprilie 2022.
29. **Mihaela Chivu-Economescu**, The impact of tumor immune microenvironment on the gastric cancer prognosis, Genomics-driven oncology: from tissue to liquid biopsy Conference, 5 July 2023, Carol Davila University of Medicine and Pharmacy.
30. Matei L., **Chivu-Economescu M.**, Ruta S.M. „Protecția împotriva SARS-CoV-2 la doi ani după vaccinare: o perspectivă asupra răspunsului imun celular”, a XI-a Conferință Națională RoVaccin, 7 – 8 April 2023, Bucharest, Romania. Oral presentation.

**EXPERIENTA ACUMULATĂ ÎN PROGRAME / PROIECTE DE CERCETARE
NATIONALE / INTERNATIONALE**

12. PROIECTE COORDONATE CALITATE DE DIRECTOR DE PROIECT /
RESPONSABIL STIINTIFIC: 10

Nr	Programul/Proiectul:	Funcția	Perioada:	Finantare: (Ron)
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1	Evaluarea mecanismelor moleculare implicate in sustinerea hematopoiezei in scopul dezvoltarii unui sistem de cultura adecvat pentru expansiunea ex vivo a celulelor stem hematopoietice, Grant tip AT, CNCSIS 33466/17.07.2002 si CNCSIS 33954 / 8.07.2003. https://virology.ro/grant/evaluation-strategies-and-amplification-of-the-proliferative-potential-of-hematopoietic-stem-cells-therapeutic-implications/	Director de proiect	2002 2003	17.000
2	Strategii de evaluare si amplificare a potentialului proliferativ al celulelor stem hematopoietice – implicatii terapeutice. Proiect finantat de MEC, Program VIASAN nr. 343. https://virology.ro/grant/new-cell-therapy-strategies-using-hematopoietic-progenitors-from-umbilical-cord-blood/	Director de proiect	2004 2006	90.000
3	Noi strategii de terapie celulară prin folosirea de progenitori hematopoietici din sângele de cordon ombilical. Proiect CEEX contract 85/2006 https://virology.ro/grant/new-cell-therapy-strategies-using-hematopoietic-progenitors-from-umbilical-cord-blood/	Responsabil științific	2006 2008	350.000
4	Potentialul terapeutic al celulelor stem hematopoietice in afectiunile hepatice. Proiect CEEX contract 65/2006 https://virology.ro/grant/the-therapeutic-potential-of-hematopoietic-stem-cells-in-liver-diseases/	Responsabil științific	2006 2008	250.000
5	Tehnici de inginerie tisulară cu aplicatii in tratamentul fistulelor intestinale. Proiect CEEX contract 139/2006 https://virology.ro/grant/intracellular-signaling-in-gastric-and-esophageal-adenocarcinoma/	Responsabil științific	2006 2008	350.000
6	Semnalizarea intracelulara in adenocarcinomul gastric si esofagian. Proiect PNII 41-036 https://virology.ro/grant/intracellular-signaling-in-gastric-and-esophageal-adenocarcinoma/	Director de proiect	2007 2010	1.849.900
7	Specializare pentru performanta, eficacitate si raspuns in domeniul transplantului de organe – S.P.E.R. POS-DRU/81/3.2/S/59616. Proiect cu finantare europeana. https://virology.ro/grant/specialization-for-performance-efficiency-and-results-in-organ-transplant-field/	Responsabil științific P4	2010 2012	301.217
8	Identificarea si validarea unor tinte moleculare la nivelul celulelor stem tumorale gastrice pentru dezvoltarea unor noi strategii terapeutice antitumorale. Proiect PNII-	Director de Proiect	2010 2013	750.000

	RU-TE-100/2010 https://virology.ro/grant/finding-and-validating-molecular-targets-in-gastric-tumor-stem-cells-for-development-of-novel-anti-cancer-therapeutic-strategies/			
9	Mecanisme si biomarkeri de raspuns si rezistenta la terapiile curente tintite ale cancerului gastric (THERRES). PN-III-P4-ID-PCCF2016-0158 – contract 17/2018 https://virology.ro/grant/mechanisms-and-biomarkers-of-response-and-resistance-to-current-targeted-therapies-in-gastric-cancer/	Responsabil stiintific P2	2018 2022	2.000.000
10	Evaluarea statusului imun la personalul medical vaccinat anti-COVID-19. Ref. INSP 4521/19.03.2021 https://virology.ro/grant/evaluation-of-immune-status-in-covid-19-vaccinated-medical-personnel-2/	Responsabil stiintific P1	2021 2022	
Valoare totala			Ron	5.958.117
			Euro	1.191.623

13. PROIECTE EXECUTATE IN CALITATE DE MEMBRU IN ECHIPA DE CERCETARE:

32

Nr	Programul/Proiectul:	Functia	Perioada:
1	Cercetări privind seroprevalenta infectiilor cu virusurile herpetice umane limfotrope HHV6 si HHV7 in contextul programului national de transplant de organe, temă de cercetare – ANSTI	Colaborator	2000 2001
2	Modificari ale integritatii genomice in celulele senescente care faciliteaza oncogeneza virala, Proiect fundamental al Academiei Române	Colaborator	2001 2002
3	Semnificatia mecanismelor moleculare implicate in transformarea cu HPV pentru monitorizarea unor cancere umane, GAR- proiect nr. 311/2001- Contract Nr. 76/2001/AR și Nr.54/2002/AR	Colaborator	2001 2002
4	Factori celulari implicati in rezistenta multiplă la medicamente strategii rationale de evaluare si chemopreventie, Proiect finantat de MEC, Program VIASAN nr. 051.	Colaborator	2001 2004
5	Efecte ale ereditatii materne in boala bipolară. Studiu biometric si molecular, Proiect finantat de MEC, Program VIASAN nr. 170.	Colaborator	2002 2005
6	Formal and molecular genetic studies of bipolar affective disorder, Proiect de colaborare stiintifica bilaterala intre Belgia si Romania (partener Institutul de Virusologie).	Colaborator	2002 2005

7	Cuantificarea efectelor biologice ale unor inhibitori ai ciclului celular, Grant al Academiei Române. GAR – proiect nr. 294/2003- Contract Nr. 136/2003/AR, și 28/2004/AR	Colaborator	2003 2004
8	Molecule de adeziune implicate in mecanisme celulare si moleculare ce contribuie la progresia tumorală, Grant tip AT, CNCSIS.	Colaborator	2003 2004
9	Studiul efectelor chimioterapiei intraarteriale si a radiochimioterapiei sistemice la pacientii cu limfoame cu afectare ORL, Proiect finantat de MEC, Program VIASAN nr. 276.	Colaborator	2003 2005
10	Semnificatia infectiilor persistente EBV si HPV in cancerul laringo-faringian, Proiect finantat de MEC, Program VIASAN nr. 223.	Colaborator	2003 2005
11	Studii privind implicarea virusului citomegalic in patologia rejetului de grefa. Grant al Academiei Române 115 / 2006	Colaborator	2006 2007
12	Polimorfisme prezente in profilul genetic al citokinelor implicate in rejetul de grefă si in producerea infectiilor virale la pacientii primitori de transplant. Proiect CEEEX contract nr. 148/2006	Colaborator	2006 2008
13	Abordarea complexă, celulară, moleculară și genetică a unor noi mecanisme patogene in mieloproliferarile maligne. Proiect CEEEX contract nr. 111/2006	Colaborator	2006 2008
14	Constituirea unei rețele integrate pentru studiul biofilmelor microbiene pe substraturi celulare si protetice, in scopul imbunătățirii diagnosticului si tratamentului infectiilor cauzate de biofilme. Proiect CEEEX contract nr. 142/2006	Colaborator	2006 2008
15	Studii experimentale asupra celulelor stem mezenchimale umane transfectate in scopul dezvoltarii unei strategii terapeutice inovative a glioblastomului. Proiect CEEEX contract nr. 176/2006.	Colaborator	2006 2008
16	Studii experimentale asupra celulelor stem mezenchimale umane transfectate in scopul dezvoltarii unei strategii terapeutice inovative a glioblastomului. Proiect CEEEX contract 176/2006	Colaborator	2006 2008
17	Promovarea cercetarii de genetica psihiatrica din Romania prin parteneriat international in studii genetice si epigenetice ale bolii bipolare. Proiect CEEEX contract nr. 122/2006	Colaborator	2006 2008
18	Platforma de formare si cercetare interdisciplinară de medicină translatională George Emil Palade. Proiect finantat de CNCSIS. Contract 38.	Colaborator	2006 2008
19	Celulele stem neurale tumorale: O noua tinta terapeutica in cadrul tratamentului multimodal al gliomelor cerebrale maligne. Proiect PNCDI2 41-035	Colaborator	2007 2010
20	Terapii alternative de vindecare a defectelor tisulare majore. Proiect PNCDI2 42-136.	Colaborator	2008 2011
21	Cercetari privind utilizarea investigatiilor farmacogenomice si farmacocinetice pentru individualizarea terapiei antituberculoase in situatii clinice particulare. Proiect PNCDI2 42-148	Colaborator	2008 2011
22	Corelatia genotip-fenotip pentru unele gene candidat in boala	Colaborator	2008

	bipolara. Proiect PNCDI2 42-151		2011
23	Rolul limfocitelor T reglatorii in mecanismul de productie a tuberculozei. Proiect CNCISIS IDEI nr. 1447	Colaborator	2008 2011
24	Definirea profilului genic indus de supresia transcripțională a ETS-1 in cancerul pancreatic. Proiect CNCISIS IDEI nr. 1435	Colaborator	2008 2011
25	Studiu genomwide al bolii bipolare I si ghid pentru estimarea riscului genetic de boala bipolare I in populatia romaneasca. PNII-2011-89.	Colaborator	2012 2015
26	Rolul S100A4 și MAP4K4 în progresia adenocarcinomului pancreatic ductal. PNII-2011-90.	Colaborator	2012 2015
27	Modernizarea unui centru pentru studiul oncogenezei si al utilizarii oncolizei virale ca strategie terapeutica / oncoivn. POSCCE 2.2.1 Proiect nr. 929/Cod SMIS 14049	Colaborator	2012 2015
28	Implementarea unui algoritm de diagnostic bazat pe analiza complexă a profilului genomic pentru pacienții cu anomalități congenitale și de dezvoltare (CONGEN). PN-II-PT-PCCA-2013-4 - 133/2014	Colaborator	2014 2016
29	Hidrogeluri compozite pe bază de nanoparticule anorganice și colagen cu activitate antimicrobiană prelungită pentru prevenirea infecțiilor de plagă (NanoColaGel). PN-III-P2-2.1-PTE - 52/2016.	Colaborator	2016 2018
30	Transferul cunoașterii privind investigarea proprietăților antiinfecțioase și antitumorale ale unor noi formulări cosmetice și farmaceutice pe bază de extracte naturale (BeeHerE). PN-III-P2-2.1-BG 116BG/2016	Colaborator	2017 2018
31	Stabilirea Profilului Molecular al Neoplasmelor Mieloproliferative și al Leucemiei Acute Mieloide pentru Designul unor Strategii de Diagnostic Precoc, Prognostic și Tratament (MYELOAL - EDIAPROT). POC-A1-A1.1.4-E-2015, ID: P_37_798. Proiect cu finantare europeana.	Colaborator	2016 2023
32	Evaluarea COL10A1 ca potențială țintă terapeutică și biomarker de prognostic timpuriu în cancerul gastric. (COLDIATHER). PN-III-P1-1.1-TE-2019, contract nr. TE36/2020	Colaborator	2020 2022
33	Crearea, Operaționalizarea și Dezvoltarea Centrului Național de Competență în Domeniul Cancerului (CNCC). Proiect finanțat prin PNRR; contractul nr760009/30.12.2022, cod 14. Proiect cu finantare europeana.	Colaborator	2022 2025
34	Dezvoltarea cercetării genomice în România. Proiect finanțat prin PNRR; contract nr. 96006/ 17.12.2024 Proiect cu finantare europeana.	Colaborator	2024 2029

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