



Curriculum vitae Europass

Informații personale

Nume / Prenume

DIACONU, CARMEN - CRISTINA

Domeniul ocupațional

Cercetare biomedicală

Experiența profesională

Perioada	2018-prezent
Funcția sau postul ocupat	Director
Activități și responsabilități principale	Coordonare activitate institut de cercetare al Academiei Române, coordonare programe de cercetare, proiecte de cercetare în domeniul bio-medical, formare cercetători, rezidenți, masteranzi, doctoranzi, în domeniul medicinei moleculare, biologiei celulare și moleculare, imunologiei, virusologiei, chimiei medicale, și biochimiei, management.
Numele și adresa angajatorului	Institutul de Virusologie Ștefan S. Nicolau, sos Mihai Bravu 285, București
Tipul activității sau sectorul de activitate	Management, cercetare în virusologie, patologie moleculară și celulară, epidemiologie genetică, imunologie
Perioada	2016-2018
Funcția sau postul ocupat	Director adjunct
Activități și responsabilități principale	Coordonare programe de cercetare, proiecte de cercetare în domeniul bio-medical, formare cercetători, masteranzi, doctoranzi și rezidenți în domeniul medicinei moleculare, biologiei celulare și moleculare, imunologiei, virusologiei, chimiei medicale, și biochimiei, management.
Numele și adresa angajatorului	Institutul de Virusologie Ștefan S. Nicolau, sos Mihai Bravu 285, București
Tipul activității sau sectorul de activitate	Management, cercetare în virusologie, patologie moleculară și celulară, epidemiologie genetică, imunologie
Perioada	2012-2018
Funcția sau postul ocupat	cercetător științific I/ șef departament/sector
Activități și responsabilități principale	Coordonare departament, proiecte de cercetare în domeniul bio-medical, formare cercetători și rezidenți, management cercetare
Numele și adresa angajatorului	Institutul de Virusologie Ștefan S. Nicolau, sos Mihai Bravu 285, București
Tipul activității sau sectorul de activitate	Cercetare în virusologie, patologie moleculară și celulară, epidemiologie genetică, imunologie
Perioada	2005-2012
Funcția sau postul ocupat	cercetător științific II/ șef laborator/departament
Activități și responsabilități principale	Coordonare departament, proiecte de cercetare în domeniul bio-medical, formare cercetători și rezidenți, management cercetare
Numele și adresa angajatorului	Institutul de Virusologie Ștefan S. Nicolau, sos Mihai Bravu 285, București
Tipul activității sau sectorul de activitate	Cercetare în virusologie, biologie moleculară și celulară, terapie anti-virală, epidemiologie genetică,

11.09.2025

activitate	imunologie
Perioada	2005-2007
Funcția sau postul ocupat	Colaborator științific FNRS (Fonds National de la Recherche Scientifique) + postdoctoral associate
Activități și responsabilități principale	Cercetare științifică, proiecte de cercetare, formare studenți PhD
Numele și adresa angajatorului	Ludwig Institute for Cancer Research, Universitatea Catolica Louvain, Facultatea de Medicina, Avenue Hippocrate 74, 75+1, Brussels, Belgia
Tipul activității sau sectorul de activitate	medicina experimentală, medicina moleculară, semnalizare
Perioada	1994 -2005
Funcția sau postul ocupat	Cercetător științific/ CSIII
Activități și responsabilități principale	Cercetare științifică, proiecte de cercetare, management cercetare
Numele și adresa angajatorului	Institutul de Virusologie Stefan S. Nicolau, sos Mihai Bravu 285, București
Tipul activității sau sectorul de activitate	cercetare în domeniul bio-medical, viroze emergente
Perioada	1993 - 1994
Funcția sau postul ocupat	Biochimist, șef proiect biotehnologii
Activități și responsabilități principale	Proiecte de cercetare biotehnologica
Numele și adresa angajatorului	BIOING SA, București
Tipul activității sau sectorul de activitate	Institut privat de bioinginerie, biotehnologie și protecția mediului

Educație și formare

Perioada	1994-2001
Calificarea / diploma obținută	Doctor în chimie
Disciplinele principale studiate / competențe profesionale dobândite	Teza: Interacțiunea heminei cu diferite biomolecule și structuri biologice; Implicații terapeutice. Coordonator : Academician Prof. Dr. Victor E Sahini
Numele și tipul instituției de învățământ / furnizorului de formare	Universitatea București/Facultatea de Chimie
Nivelul în clasificarea națională sau internațională	ISCED 7
Perioada	1988-1993
Calificarea / diploma obținută	Licențiat în biochimie (5 ani)
Disciplinele principale studiate / competențe profesionale dobândite	Biochimie, biologie moleculară și celulară, genetică, fiziologie, metabolism, enzimologie, proteine și acizi nucleici, chimie, fizică, biofizică
Numele și tipul instituției de învățământ / furnizorului de formare	Universitatea București/Facultatea de Chimie
Nivelul în clasificarea națională sau internațională	ISCED 6

Aptitudini și competențe personale

Limba(i) maternă(e)	Româna
Limba(i) străină(e) cunoscută(e)	Engleza, Germana, Franceza

Autoevaluare

Nivel european (*)

Înțelegere		Vorbire		Scriere
Ascultare	Citire	Participare la conversație	Discurs oral	Exprimare scrisă

Limba Engleza	C1	Utilizator experimentat	C1	Utilizator experimentat	C1	Utilizator experimentat	C1	Utilizator experimentat	C1	Utilizator experimentat
Limba Franceza	B1	Utilizator independent	B1	Utilizator independent	A2	Utilizator elementar	A2	Utilizator elementar	A2	Utilizator elementar
Limba Germana	B1	Utilizator independent	C1	Utilizator experimentat	A2	Utilizator elementar	A2	Utilizator elementar	A2	Utilizator elementar

(*) Nivelul Cadrului European Comun de Referință Pentru Limbi Străine

Competențe și abilități sociale Experiența în echipe multinaționale prin participarea la multiple cursuri practice și proiecte colaborative desfășurate în Ungaria (2 ani), Germania (mai multe stagii de 1-3 luni), Belgia (3 luni + stagiul postdoctoral 2,5 ani), Marea Britanie, SUA. Am consolidat această experiență în echipa din care fac parte în România, prin colaborări naționale și internaționale.

Competențe și aptitudini organizatorice Experiența în managementul institutului (în medie 70 angajați), programelor de cercetare, departamentului coordonat (11 cercetători, 11 asistenți și pers. auxiliar) și prin conducerea unor proiecte de cercetare naționale și internaționale cu echipe de până la 25 de cercetători (VIASAN, CEEEX, PNCDII, Proiecte bilaterale, Proiecte POC, Horizon 2020, etc); experiența în organizarea de cursuri, simpozioane, ateliere de lucru.

Competențe și aptitudini tehnice Utilizarea, evaluarea performanțelor și depanarea echipamentelor de laborator (microscopice optice, fluorescență, confocal; citometru de flux, termociclare, secvențiator, spectrometru de masă, etc)

Competențe și aptitudini de utilizare a calculatorului O foarte bună stăpânire a aplicațiilor software pe sisteme de operare MacOS și WINDOWS (aplicații grafice, statistice, editare, etc.)

Alte competențe și aptitudini - expert - evaluator al corpului de evaluatori al Ministerului Educației și Cercetării (CNCSIS, PNCDI), Comisiei Europene; membru în Comisia de Medicină CNATDCU, membru în comitete editoriale/referent la diferite publicații științifice

Informații suplimentare

Premii:

- **Premiul de Excelență Medică Academică 2014**, pentru cercetare fundamentală, București.
- **Premiul de Excelență Herbert Berler-Barbu** al Fundației Nicolae Cajal, la Simpozionul Acad. Nicolae Cajal, ed 2014, București.
- **Premiul Stefan S Nicolau al Academiei Române**, pentru o suită de 11 articole științifice, 2005
- **Premiul pentru cea mai valoroasă lucrare în domeniul Virusologiei (II)** la *Al IV-lea Simpozion Acad. Nicolae Cajal*, 26-28 martie 2008, București, pentru lucrarea: Utilizarea vectorilor retrovirali în screeningul preclinic de librării moleculare, **CC. Diaconu**, A. Dusa, S.N. Constantinescu.
- **Premii CNCSIS/UEFISCDI** pentru rezultatele cercetării 2009 -2021 – peste 10 articole
- **Honorable Mention for scientific merit and clarity** la „a 4-a Școală de Vară Europeană de Imunologie”, Praga, 1995 pentru punerea la punct a unor metode de serotipare a subtipurilor HIV-1 circulante.

Studii postdoctorale:

- 2005-2007 bursa FNRS (Fonds National de la Recherche Scientifique), Ludwig Institute for Cancer Research, Universitatea Catolică Louvain, Facultatea de Medicină, Brussels, Belgia – medicină moleculară și celulară
- 2010-2012 bursa în cadrul Programului Operațional Sectorial pentru Dezvoltarea Resurselor Umane (POS DRU), finanțat din Fondul Social European și Guvernul României prin contractul nr. POS DRU/89/1.5/S/64109 Universitatea de Medicină și Farmacie Carol Davila, București, România – epidemiologia genetică a bolilor complexe.

Membru în asociații:

European Science Foundation (ESF)
American Association for the Advancement of Science (AAAS)
New York Academy of Sciences (NYAS)
European Cytometry Network
Societatea Română de Biochimie și Biologie Moleculară (afiliată FEBS)
Societatea de Imunologie din România
Web of Science ResearcherID: B-9119-2011 (<https://publons.com/researcher/2806379/carmen-cristina-c-diaconu>)
<https://www.researchgate.net/profile/Carmen-Diaconu>;

Membru în Editorial Boards:

Journal of Cellular and Molecular Medicine (ISI), Romanian Biotechnological Letters, Journal of Contemporary Clinical Practice; BioAccent BAOJ HIV; Herald Scholarly Open Access Journal of Virology and Antivirals;

Lista lucrărilor științifice publicate:

1. Sahini VE, Dumitrescu M, Volanschi E, Barla L and Diaconu C, Spectral and interferometrical study of the interaction of hemin with glutathion, *Biophysical Chemistry* 58, 245-253 (1996).
2. Diaconu, C. C., Szathmari, M. Keri, G., Venetianer, A., Programmed cell death (apoptosis) is induced in both drug-sensitive and multidrug-resistant hepatoma cells by somatostatin analog TT 232, *British J. Cancer, Nature Publishing Group*, 80 (8), 1197-1203 (1999).
3. Tardei, G., Duiculescu, D., Capo, C., Diaconu, C.C., Mutiu, A., Mege, J.-L., Cernescu, C.E., Phagocytic function of monocytes in children with Human Immunodeficiency Virus Type 1 Infection, *Clin. Diagn. Lab. Immunol., American Society for Microbiology*, 7 (2), 296-297 (2000).
4. Chitu V.*, Diaconu C.C.*, Veliceasa D., Ruta S.-M., Grancea C., Târdei G., Cernescu C.E. Dynamics of the HIV-1 variability in adults from Bucharest, 1992-1998, *Rom J Virol*, 50, 50, 1-4 (1999) (* co-first authors).
5. Mutiu, A., Alexiu, I., Chivu M., Petica M., Anton G., Bleotu C., Diaconu C., Popescu C., Jucu V., Cernescu C. "Detection of human papillomavirus gene sequences in cell lines derived from laryngeal tumours.", *J.Cell.Mol.Med.*, 5, 1, 49 (2001).
6. Chivu M., Diaconu C. C., Brașoveanu L., Alexiu I., Bleotu C., Bănceanu G., Miscalencu, D., Cernescu C.; Ex vivo differentiation of umbilical cord blood progenitor cells in the presence of placental conditioned medium, *J. Cell. Mol. Med., Blackwell Publishing Inc* 6, 4, 609 (2002).
7. Diaconu C. C., Szathmari, M., Venetianer, A.; "Antiproliferative and Apoptosis-inducing Effects of Hemin in Multidrug-Resistant Hepatoma Cells". *Apoptosis-From Signaling Pathways to Therapeutic Tools*, Ed. Marc Diederich Ann. N.Y. Acad., N.Y., 1010, 311-315 (2003).
8. Plesa A, Anton G., Diaconu C., Stoian M., Repanovici R., Cernescu C., Cloning and expression of the L1 major capsid protein of the human papillomavirus 18 in murine cells, *Int J Mol Med.*, 12 (6), 1021-1026 (2003).
9. Giambasu M., C. C. Diaconu and M. Hillebrand, *Electronic Structure Of Some Antiviral Compounds*, *Internet Electron. J. Mol. Design* 3, 73–82, Bio Chem Press, Galveston, USA (2004).
10. Diaconu C. C., C. Bleotu, M. Chivu, I. Alexiu, D. Petrusca, G. Anton, R. Achim, S. 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., Blackwell Publishing Inc*, 8, 93-101 (2004).
11. Chivu M., C. C. Diaconu, C. Bleotu, I. Alexiu, L. Brașoveanu, C. Cernescu, The comparison of different protocols for expansion of umbilical cord blood hematopoietic stem cell, *J. Cell. Mol. Med., Blackwell Publishing Inc*, 8, 2, 223-231, (2004).
12. Chivu M., C. C. Diaconu, C. Bleotu, L. Brașoveanu, M. Gheorghiu, D. Pasarica, 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*, 2:129-135 (2004).
13. Paus S., M. Rietschel, T. G. Schulze, S. Ohlraun, C. C. Diaconu, A. Van Den Bogaert, W. Maier, P. Propping, S. Cichon and M. M. Nöthen, Systematic screening for mutations in the human N-methyl-D-aspartate receptor 1 gene in schizophrenic patients from the German population *Psychiatric Genetics*, Lippincott Williams&Wilkins, 14, 4, 233-234 (2004).
14. Petrusca DN, Petrescu A, Vrabie C, Niculescu L, Jinga V, Diaconu C, Brasoveanu L. Cell cycle regulatory factors in juxta-tumoral renal parenchyma. *Rom J Morphol Embryol*. 46, 117-22, ISSN: 1220-0522 (2005).
15. Diaconu CC., Tone M., Ruta SM., Bleotu C., Cernescu C., Volanschi E., Spectral study of the interaction of hemin with some HIV-1 V3 synthetic peptides. *Proceedings of the Romanian Academy series B*, vol. 7 (1), 15-22 (2005).
16. Bleotu C., Diaconu CC, Chivu M, Alexiu I, Ruta SM, Cernescu C. Evaluation of TV cell line viral susceptibility using conventional cell culture techniques. *Central European Journal of Medicine*, Springer, 1, 1-11 (2006).
17. Ionescu S, Diaconu CC, Hillebrand M. Theoretical Study of Some Verapamil Derivatives. *Int J Quantum Chem*, JOHN WILEY & SONS INC, 106, 1457-1464 (2006).

11.09.2025

18. Staerk J, Kallin A, Royer Y, Diaconu CC, Dusa A, Demoulin JB, Vainchenker W, Constantinescu SN. JAK2, the JAK2 V617F mutant and cytokine receptors. *Pathol Biol, Elsevier*, 55(2), 88-91 (2007).
19. Toader A. M., Diaconu C. and Volanschi E., Spectroelectrochemical Study of the 2008 Wolters Kluwer Health | Lippincott Williams & Wilkins. Hemin – Glutathione Interaction in the Absence and Presence of Surfactants, *Electrochemical Transactions, Pharmacoelectrochemistry*, 3, (29) 155-166, Editor(s): M. Urquidi-Macdonald, I. Gonzalez, The Electrochemical Society, (2007).
20. Knoops L, Diaconu CC, Constantinescu SN, Using JAK2 inhibitors in myeloproliferative neoplasms, *Myeloproliferative Disorders in Practice*, Hayward Group London, 2, 1, 3-6 (2008).
21. Grigoriu-Serbanescu M, Diaconu CC, Herms S, Bleotu C, Vollmer J, Muehleisen TW, Prelipceanu D, Priebe L, Mihailescu R, Georgescu M-J, Sima D, Grimberg M, Noethen MM and Cichon S., Investigation of the tryptophan hydroxylase 2 gene in bipolar disorder in the Romanian population, *Psychiatric Genetics*, Lippincott Williams & Wilkins, 18(5):240-7 (2008).
22. Grigoriu-Serbanescu M, Herms S, Muehleisen TW, Georgi A, Diaconu CC, Strohmaier J, Czerski P, Hauser J, Leszczynska-Rodziewicz A, Jamra RA, Babadjanova G, Tiganov A, Krasnov V, Kapiletti S, Neagu AI, Vollmer J, Breuer R, Rietschel M, Nöthen MM, Cichon S, Propping P., Variation in P2RX7 candidate gene (rs2230912) is not associated with bipolar I disorder and unipolar major depression in four European samples. *Am J Med Genet B Neuropsychiatr Genet*. 150B(7):1017-21, Wiley-Liss, ISSN:1552-4841 (2009).
23. Grigoriu-Serbanescu M, Herms S, Diaconu CC, Jamra RA, Meier S, Bleotu C, Neagu AI, Prelipceanu D, Sima D, Gherghel M, Mihailescu R, Rietschel M, Nöthen MM, Cichon S, Muehleisen TW., Possible association of different G72/G30 SNPs with mood episodes and persecutory delusions in bipolar I Romanian patients., *Prog Neuropsychopharmacol Biol Psychiatry*. 34(4):657-63, Elsevier, (2010).
24. Economescu MC, Necula LG, Dragu D, Badea L, Dima SO, Tudor S, Nastase A, Popescu I, Diaconu CC. Identification of potential biomarkers for early and advanced gastric adenocarcinoma detection. *Hepatogastroenterology*, 57, 104:1453-64 (2010).
25. Diaconu CC, Neagu AI, Lungu R, Tardei G, Alexiu I, Bleotu C, Economescu MC, Bumbăcea RS, Pele I, Bumbăcea D., Plasticity of regulatory T cells under cytokine pressure. *Roum Arch Microbiol Immunol*. 69(4):190-196 (2010).
26. Cichon S; Muehleisen TW, Degenhardt FA, Mattheisen M, Miro X, Strohmaier J, Steffens M, Meesters C, Herms S, Weingarten M, Priebe L, Haenisch B, Aexander M, Vollmer J, Breuer R, Schmal C; Tessmann P, Moebus S, Wichmann, Schreiber S, Muller-Myhsok B, Lucae S, Jamain S, Leboyer M, Bellivier F, Etain B, Henry C, Kahn JP, Heath S, Hamshire, M, O'Donovan MC, Owen, MJ, Craddock N, Schwarz M, Vedder H, Kammerer-Ciernioch J, Reif A, Sasse J, Bauer M, Hautzinger M, Wright A, Mitchell PB, Schofield PR, Montgomery GW, Medland SE, Gordon SD, Martin NG, Gustafsson O, Andreassen O, Djurovic S, Sigurdsson E, Steinberg S, Stefansson H, Stefansson K, Kapur-Pojiskic L, Oruc, Rivas F, Mayoral F, Chuchalin A, Babadjanova G, Tiganov AS, Pantelejeva G, Abramova LI, Grigoriu-Serbanescu M, Diaconu CC*, Czerski PM, Hauser J, Zimmer A, Lathrop M, Schulze TG, Wienker TF, Schumacher J, Maier W, Propping P, Rietschel M, Nothen MM. (*representative of Institute of Virology Bucharest in the consortium that participated in this study), Genome-wide Association Study Identifies Genetic Variation in Neurocan as a Susceptibility Factor for Bipolar Disorder, *American Journal of Human Genetics* 88, 3, 372-381 (2011).
27. Manolescu L, Temereanca A, Diaconu CC, Ruta S., Correlation between resistance profile and immunosuppression in heavily treated HIV-1 infected Romanian patients. *Rom Biotechnol Lett*. 16(4):6439-6449 (2011).
28. Bumbăcea, Dragos; Lungu, Razvan; Pele, Irina; Neagu, Ana; Alexiu, Irina; Economescu, Mihaela Chivu; Bumbăcea, Roxana S.; Diaconu, Carmen C.; New immunodiagnostic tests for latent and active tuberculosis; *REVISTA ROMANA DE MEDICINA DE LABORATOR* 19; 3; 2011
29. Carmen, Diaconu C.; Ana, Neagu I.; Razvan, Lungu; Gratiela, Tardei; Irina, Alexiu; Mihaela, Chivu Economescu; Coralia, Bleotu; Roxana, Bumbăcea S.; Ioana, Aldea; Lilia, Matei; Laura, Dragomir Necula; Irina, Pele; Denisa, Dragu; Cosmin, Stancu I.; Alina, Nastasie; Marius, Ataman; Bumbăcea, Dragos; Regulatory T lymphocytes in evaluation of the local protective cellular immune response to *Mycobacterium tuberculosis* in Romanian patients; *ROMANIAN BIOTECHNOLOGICAL LETTERS* 17; 1; 2012.

11.08.2025

30. Vassos E, Steinberg S, Cichon S, Breen G, Sigurdsson E, Andreassen OA, Djurovic S, Morken G, Grigoriu-Serbanescu M, Diaconu CC, Czerski PM, Hauser J, Babadjanova G, Abramova LI, Mühleisen TW, Nöthen MM, Rietschel M, McGuffin P, St. Clair D, Gustafsson O, Melle I, Pietiläinen OPH, Ruggeri M, Tosato S, Werge T, Ophoff RA, GROUP Consortium, Rujescu D, Børglum AD, Mors O, Mortensen PB, Demontis D, Hollegaard MV, van Winkel R, Kenis G, De Hert M, Réthelyi JM, Bitter I, Rubino IA, Golimbet V, Kiemenev LA, van den Berg LH, Franke B, Jönsson EG, Farmer A, Stefansson H, Stefansson K, Collier DA, Replication Study and Meta-Analysis in European Samples Supports Association of the 3p21.1 Locus with Bipolar Disorder, *Biol Psychiatry* 72(8):645-650 (2012).
31. Necula L.G., M. Chivu-Economescu, E.L. Stanculescu, C. Bleotu, S.O. Dima, I. Alexiu, A. Dumitru, G. Constantinescu, I. Popescu, CC Diaconu, IL-6 and IL-11 as markers for tumor aggressiveness and prognosis in gastric adenocarcinoma patients without mutations in Gp130 subunits, *Journal of Gastrointestinal and Liver Diseases*, 21(1) 23-29 (2012).
32. Pecquet C, C.C. Diaconu, J. Staerk, M. Girardot, C. Marty, Y Royer, J-P. Defour, A. Dusa, R. Besancenot, S. Giraudier, J-L Villeval, L Knoop, P. J. Courtoy, W. Vainchenker and S. N. Constantinescu, Thrombopoietin receptor down-modulation by JAK2 V617F: restoration of receptor levels by inhibitors of pathologic JAK2 signaling and of proteasomes. *Blood*, 119 (20):4625-4635 (2012).
33. Meng Ling Choong, Christian Pecquet, Vishal Pendharkar, Carmen C Diaconu, Jacklyn Wei Yan Yong, Shi Jing Tai, Si Fang Wang, Jean-Philippe Defour, Kanda Sangthongpitag, Jean-Luc Villeval, William Vainchenker, Stefan N Constantinescu, May Ann Lee, Combination treatment for myeloproliferative neoplasms using JAK and pan-class I PI3K inhibitors. *Journal of Cellular and Molecular Medicine*, 17(11):1397-409 (2013).
34. Bleotu Coralia, Pircalabioru Gratiela, Dragusel Roxana, Aldea Ioana-Madalina, Anca Botezatu, Banu Otilia, Mihaescu Grigore, Eugen Cernescu Costin, Carmen Cristina Diaconu, Modulation of Interaction Between Virus and Eukaryotic Host by Exposure to *S. aureus* Bacterial Soluble Fractions, *Current Organic Chemistry*, 17 (2) 137-143 (2013).
35. Sester M, van Leth F, Bruchfeld J, Bumbacea D, Cirillo DM, Dilektasli AG, Dominguez J, Duarte R, Ernst M, Eyuboglu FO, Gerogianni I, Girardi E, Goletti D, Janssens JP, Julander I, Lange B, Latorre I, Losi M, Markova R, Matteelli A, Milburn H, Ravn P, Scholman T, Soccac PM, Straub M, Wagner D, Wolf T, Yalcin A, Lange C; TBNET. Collaborators: Apostoli A, Block M, Borroni E, Bumbacea RS, Codecasa L, Cuzzi G, Diaconu CC, Drenska R, Elenkov I, Finke J, Glaewe A, Gunther A, Hantsche MJ, Harju A, Held G, Hopt U, Kayacan O, Kern WV, Krabbe L, Lungu R, Leyking S, Mateo L, Mee J, Minguez S, Nordmark B, Pisarski P, Puig J, Richeldi L, Rupp J, Sester U, Sudkamp N, Todorova Y, Tural C, Usadel S, Walz G, Watter T, Wilkens H, Vanini V. Risk assessment of tuberculosis in immunocompromised patients. A TBNET study. *Am J Respir Crit Care Med*. 190(10):1168-762014 (2014).
36. Metoni A, Mambet C, Necula LG, Aldea IM, Neagu AI, Matei L, Dragu D, Bleotu C, Ion DA, Diaconu CC. Mechanisms of Thrombosis in Systemic Lupus Erythematosus. *Roum Arch Microbiol Immunol*. Jul-Dec;73(3-4):92-98, 2014
37. Ionescu D, Aldea IM, Bleotu C, Conomescu MC, Matei L, Rizea GD, Crisan I, Diaconu CC, Mihele D, Evaluation of antiviral and cytotoxic activities of tamarix gallica and silybum marianum extracts, *Farmacia* 62(2), 329-341, 2014
38. Plesa A, Anton G, Iancu IV, Diaconu CC, Huica I, Stanescu AD, Socolov D, Nistor E, Popa E, Stoian M, Botezatu A. Molecular variants of human papilloma virus 16 E2, E4, E5, E6 and E7 genes associated with cervical neoplasia in Romanian patients. *Arch Virol*. 159(12):3305-3320 (2014).
39. Matei L, Bleotu C, Baciu I, Diaconu CC, Hanganu A, Banu O, Ionita P, Paun A, Tatibouët A, Zarafu I. Synthesis and biological activities of some new isonicotinic acid 2-(2-hydroxy-8-substituted-tricyclo[7.3.1.0(2,7)]tridec-13-ylidene)-hydrazides. *Bioorg Med Chem*. 23(3):401-410 (2015).
40. Bleotu C, Chifiriuc MC, Lazăr V, Drăgușel R, Matei L, Aldea IM, Dragu LD, Ionescu B, Diaconu CC, Cernescu C, Mogoantă CA, Popescu CR, Popescu B, Grigore R, Berteșteanu ȘV. Influence of *Staphylococcus aureus* attachment to the herpes simplex virus infected cells. *Rom J Morphol Embryol*. 2015;56(2):433-7.
41. Dragu DL, Necula LG, Bleotu C, Diaconu CC, Chivu-Economescu M. Therapies targeting cancer stem cells: Current trends and future challenges. *World J Stem Cells*. 2015 Oct 26;7(9):1185-201. doi: 10.4252/wjsc.v7.i9.1185.
42. Necula LG, Mambet C, Albulescu R, Diaconu CC, Epigenetics in gastric carcinogenesis: tet genes as important players, *J Immunoassay Immunochem*. 36(5):445-55 (2015).

11.09.2025

43. Grigoriu-Serbanescu M, Diaconu CC, Heilmann-Heimbach S, Neagu AI, Becker T. Association of age-of-onset groups with GWAS significant schizophrenia and bipolar disorder loci in Romanian bipolar I patients. *Psychiatry Res.* 2015 Dec 30;230(3):964-7. doi: 10.1016/j.psychres.2015.11.008. Epub 2015 Nov 10.
44. Mambet C, Necula LG, Neagu A I, Aldea IM, Matei L, Dragu D, Livadariu M, Chivu Economescu M, Bleotu C, Ion D, Diaconu C C, HOX genes, reviewing the molecular bridges between developmental anomalies and cancer, *Rom Biotechnol Lett* 20(3) 10504-10511, 2015;
45. Metoni A, Balanescu P, Dima A, Balanescu E, Badea C, Ionescu R, C C. Diaconu, Baicus C, Matei D, Interleukin-17 - association to silent lupus nephritis and disease activity. *Journal of Translational Medicine and Research* 2015; 20 (2) 71-75.
46. A Botezatu, IV Iancu, A Plesa, CC Diaconu, G Anton, R Florea, V Ilie, A Sorop, N Bacalbasa, V Tica, DG Duda, SO Dima, I Popescu, Deregulation B-catenin gene expression in pancreatic cancer, *Pancreas* 44(8), 1362-1363, 2015;
47. A Botezatu, M Puiu, N Cucu, Diaconu CC, Badiu C, Arsene C, Iancu IV, Plesa A, Anton G. Comparative molecular approaches in Prader-Willi syndrome diagnosis. *Gene.* 575 (2), 353-358. doi: 10.1016/j.gene.2015.08.058. 2016;
48. Mambet C, Matei L, Necula LG, Diaconu CC. A link between the driver mutations and dysregulated apoptosis in BCR-ABL1 negative myeloproliferative neoplasms. *J Immunoassay Immunochem*; 37(4):331-45, 2016
49. S O. Dima, M Chivu-Economescu, R Purnichescu-Purtan, A Nastase, N Bacalbaşa, RFlorea, C Bleotu, C Diaconu, D G. Duda, V Herlea, I Popescu, MAP4K4 Expression is selectively upregulated and increases cell invasion in pancreatic ductal adenocarcinoma, *Journal of Translational Medicine and Research* 21 (1) 32-37, 2016.
50. A Nastase, S Dima, V Tica, R Florea, A Sorop, V Ilie, M Eftimie, L Paslaru, V Herlea, N Bacalbaşa, L Ivan, EUyy, VI Sulca, F Antohe, IV Iancu, A Plesa, A Botezatu, DG Duda, CC Diaconu, S100A4 and ERBB2 as Co-Factors in Pancreatic Cancer, *Journal of Translational Medicine and Research* 21 (4) 259-266, 2016.
51. A Ngo, A Zhufang Koay, C Pecquet, C C Diaconu, Y Ould-Amer, QHuang, C Kang, A Poulsen, MA Lee, D Jenkins, A Shiau, S N Constantinescu, M Ling Choong, A phenotypic screen for small-molecule inhibitors of constitutively active mutant Thrombopoietin receptor implicated in myeloproliferative neoplasms, *Combinatorial chemistry & high throughput screening*, 19(10) 824-833, 2016; DOI: 10.2174/1386207319666161010163825, Citari: 1
52. 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.* 20 (6), 948-959, doi: 10.1007/s10120-017-0712-y, 2017; Citari:29
53. Chiru D, Mambet C, Matei L, Bleotu C, Ruta S, Diaconu CC. Delivering the "Blueprints" or "DNA Repairing Kits" Instead of Drugs in the Treatment of Congenital Hemoglobinopathies *Current Organic Chemistry*, 21(1):74-85, 2017, DOI: 10.2174/1385272820666160511122404
54. Butnariu L, M Gramescu, Caba L, M Panzaru, E Braha, R Popescu, Popa S, Rusu C, G Cardos, M Zeleniuc, V Martiniuc, V Plaiasu, C Diaconu, EV Gorduza, Using of Multiple Chromosomal and Molecular Analyses to Elucidate the Etiology of Plurimalformative Syndromes, *The Medical-Surgical Journal*, 121(3), 581-593, 2017
55. Rada C, M Andrei, C Tieranu, A T Ispas, CC Diaconu, A Baci, Ulcerative Colitis: Psychosocial Factors Involved, *International Journal of Medical Research & Health Sciences* 6(4), 27-35, 2017
56. Rada C, M Andrei, C Tieranu, A T Ispas, CC Diaconu, Crohn's Disease–Psychosocial Factors Involved. Case Study, *Revista de Psihologie*, 63, 1, 7–19, 2017
57. Bleotu C, MC Chifiriuc, D Mircioaga, O Săndulescu, I Aldea, O Banu, D Ion, C Diaconu, Veronica Lazar, The influence of nutrient culture media on *Escherichia coli* adhesion and biofilm formation ability, *Rom. Biotechnol. Lett* 22 (2), 12483-1249, 2017;
58. Hazem A, IM Pitiță Aldea, C Popescu, L Matei, D Dragu, M Economescu, I Alexiu, I Crisan, CC Diaconu, C Bleotu, D Lupuliasa, THE ANTIVIRAL/VIRUCIDAL EFFECTS OF ALCHOOLIC AND AQUEOUS EXTRACTS WITH PROPOLIS, *Farmacia*, 65(6), 868-876, 2017;
59. Diaconu CC, C Mambet, Laura G Necula, Petruta Gurban, Lilia Matei, Ioana M Aldea-Pitica, AI 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, *Rom. Biotechnol. Lett* 23(4), 13750-13760, DOI: 10.26327/RBL2017.12, 2017;
60. Ngo A, Koay A, Pecquet C, Diaconu CC, Ould-Amer Y, Huang Q, Kang C, Poulsen A, Lee MA, Jenkins D, Shiau A, Constantinescu SN, Choong ML. A Phenotypic Screening for Inhibitors of a Mutant Thrombopoietin

11.09.2025

- Receptor. In: Wagner B. (eds) Phenotypic Screening. Methods in Molecular Biology, vol 1787, pag 53-66. Humana Press, New York, NY, 2018
61. Chivu-Economescu M, L Matei, L G Necula, D L Dragu, C Bleotu, C C Diaconu, New therapeutic options opened by the molecular classification of gastric cancer, *World Journal of Gastroenterology*, 24(18), 1942 - 1961, doi: 10.3748/wjg.v24.i18.1942, 2018;
 62. Mambet C, O Babosova, J-P Defour, E Leroy, L Necula, O Stanca, A Tatic, N Berbec, D Coriu, M Belickova, B Kralova, L Lanikova, J Vesela, C Pecquet, P Saussoy, V Havelange, C C Diaconu, V Divoky, S N Constantinescu, Cooccurring JAK2 V617F and R1063H mutations increase JAK2 signaling and neutrophilia in myeloproliferative neoplasms, *Blood, The Journal of the American Society of Hematology*, 132 (25), 2695-2699, 2018;
 63. Calinescu A, Turcu G, Nedelcu RI, Brinzea A, Hodoroagea A, Antohe M, Diaconu C, Bleotu C, Pirici D, Jilaveanu L B, Ion DA, Badarau I A, On the dual role of carcinoembryonic antigen-related cell adhesion molecule 1 (CEACAM1) in human malignancies, *Journal of Immunology Research*, Article ID 7169081, 8 pages, <https://doi.org/10.1155/2018/7169081>, 2018;
 64. Mambet C, Chivu-Economescu M, Matei L, Necula L G, Dragu DL, Bleotu C, Diaconu CC, Murine models based on acute myeloid leukemia-initiating stem cells xenografting. *World J Stem Cells*. 2018 Jun 26;10(6):57-65. doi: 10.4252/wjsc.v10.i6.57.
 65. 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, C C Diaconu, Characterization of TP53 polymorphisms in Romanian colorectal cancer patients, *Rom Biotechnol Lett*, 23(6) 14124 -14125, 2018; DOI: 10.26327/RBL2017.04
 66. Mambet C, L Necula, S Mihai, L Matei, C Bleotu, Mihaela Chivu-Economescu, Oana Stanca, Aurelia Tatic, Nicoleta Berbec, Cristiana Tanase, Carmen C Diaconu, Increased Dkk-1 plasma levels may discriminate disease subtypes in myeloproliferative neoplasms, *Journal of Cellular and Molecular Medicine*, 22(8) 4005-4011, <https://doi.org/10.1111/jcmm.13753>, 2018
 67. Murarasu D, L Puiu, I M Aldea Pitica, C Mambet, C E Mihalcea, A M Marincas, S Cinca, L Brasoveanu, C C Diaconu, TP53 somatic mutations and LOH profile in colorectal cancer in Romania, *Rom Biotechnol Lett* 23(8), 13530-13540, 2018
 68. Dragu DL, Neagu AI, Matei L, Bleotu C, Ruta SM, C C Diaconu, Characterization of a platform based on dendritic cells for new therapeutic vaccine development, *Rom Biotechnol Lett*, DOI: 10.26327/RBL2018.241, 2020
 69. 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 Journal of Gastroenterology* 25(17) May 7, 2029 - 2044, doi: 10.3748/wjg.v25.i17.2029, 2019
 70. Antohe M, Nedelcu RI, Nichita L, Popp C G, Cioplea M, Brinzea A, Hodoroagea A, Calinescu A, Balaban M Ion, DA, Diaconu C, Bleotu C, Pirici D, S A Zurac, G Turcu, Tumor infiltrating lymphocytes: The regulator of melanoma evolution, *Oncology letters*, 17(5): 4155-4161, 2019
 71. Nedelcu RI, Balaban M, Turcu G, Brinzea A, Ion DA, Antohe M, Hodoroagea A, Calinescu A, Badarau AI, Popp CG, Cioplea M, Nichita L, Popescu S, Diaconu C, Bleotu C, Pirici D, Popescu R, Popescu C M, Zurac S A, Efficacy of methotrexate as anti-inflammatory and anti-proliferative drug in dermatology: Three case reports, *Experimental and therapeutic medicine*, 18(2), 905-910, 2019
 72. Diaconu CC, Gurban P, Mambet C, Chivu-Economescu M, Necula LG, Lilia Matei, Dragu D, Nedeianu S, Neagu A I, Tatic A, Cristodor D, Bleotu C, Programmed Cell Death Deregulation in BCR-ABL1-Negative Myeloproliferative Neoplasms. In: H. Gali-Muhtasib, ON Rahall (eds) *Programmed Cell Death 2020*, pp 25-49, 2019, IntechOpen, London, UK;
 73. Dragu DL, M Chivu-Economescu, C Bleotu, L G Necula, L Matei, M Stoian, C C Diaconu, Establishing a mouse disease model for future studies regarding gastric anti-cancer therapies, *Rom Biotechnol Lett* 24(5): 874-882, DOI: 10.25083/rbl/24.5/874.882, 2019
 74. Neagu A I, Mambet C, Necula L G, Matei L, Dragu D L, Ataman M, Petrica-Matei G G, Alexiu I, Nedeianu S, Bleotu C, Stoian M, Diaconu C C, Therapeutic Potential of T regulatory Cell Manipulation: Advantages and Limitations, *Rom Biotechnol Lett*, 2020, 25 (2):1501-1510 , DOI: 10.25083/RBL/25.2/1501.1510
 75. Burlacu R, A Umlauf, TD Marcotte, B Soontornniyomkij, CC Diaconu, A Bulacu-Talnariu, A Temereanca, SM Ruta, S Letendre, L Ene, CL Achim, Plasma CXCL10 correlates with HAND in HIV-infected women, *Journal of NeuroVirology*, 26(1), 23 -31, 2020, DOI: 10.1007/S13365-019-00785-4

11.09.2025

76. Temereanca A, Ene L, Rosca A, Diaconu CC, Luca A, Burlacu R, Radoi R, Bulacu-Talnariu A, Marcotte T D, Achim C L, Ruta S, Neurocognitive Impairment in the Combined Antiretroviral Therapy Era in a Romanian Cohort of Young Adults with Chronic HIV Infection, *AIDS Research and Human Retroviruses*, 36(5) <https://doi.org/10.1089/aid.2019.0132>, 367-372, 2020
77. Grigoriu-Serbanescu M, Giaroli G, Thygesen J H, Shenyan O, Bigdeli TB, Bass N J, Diaconu C C, Neagu AI, Forstner AJ, Degenhardt F, Herms S, Nöthen M M, McQuillin A, Predictive power of the ADHD GWAS 2019 polygenic risk scores in independent samples of bipolar patients with childhood ADHD, *Journal of Affective Disorders*, 265, 651-659, <https://doi.org/10.1016/j.jad.2019.11.109>, 2020
78. Marcu A, Colita A, Radu LE, Jercan CG, Bica AM, Asan M, Coriu D, Tanase A D, Diaconu CC, Mambet C, Botezatu A, Pasca S, Teodorescu P, Anton G, Gurban P, Colita A, Single-Center Experience With Epigenetic Treatment for Juvenile Myelomonocytic Leukemia, *Frontiers in Oncology*, 10, 484, 1-7, <https://doi.org/10.3389/fonc.2020.00484>, 2020
79. Chivu-Economescu M, Necula LG, Matei L, Dragu D L, Neagu A I, Alexiu I, Bleotu C, Diaconu CC, Gastrointestinal cancer stem cells as targets for innovative immunotherapy, *World Journal of Gastroenterology* 26(14), 1580-1593, DOI: 10.3748/wjg.v26.i14.1580, 2020
80. Rascu AM, Otelea MR, Mambet C, Handra C, Neagu AI, Rascu A, Giurcaneanu C, Diaconu CC. Modified plasma cytokine profile in occupational dermatitis. *Endocrine, Metabolic & Immune Disorders Drug Targets*. 2020, 20(8):1295-1302. DOI: 10.2174/1871530320666200607194021;
81. Bostan M, Petrică-Matei GG, Radu N, Hainarosie R, Stefanescu CD, Diaconu CC, Roman V, The Effect of resveratrol or curcumin on head and neck cancer cells sensitivity to the cytotoxic effects of cisplatin, *Nutrients*, 2020, 12(9), 2596, doi: 10.3390/nu12092596
82. 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 Journal of Gastroenterology* 2020; 26(22): 3024- 3033
83. Zarafu I, Matei L, Bleotu C, Ionita P, Tatibouët A, Păun A, Nicolau I, Hanganu A, Limban C, Nuta DC, Nemeș RM, Diaconu CC, Radulescu C. Synthesis, Characterization, and Biologic Activity of New Acyl Hydrazides and 1,3,4-Oxadiazole Derivatives. *Molecules*. 2020;25(14):3308.
84. Pitica I M, Matei L, Dragu L D, Alexandru G, Suci A, Alexiu I D, Neagu A I, Chivu-Economescu M, Crisan I, Manea C, Anton G, Diaconu C C, Bleotu C, Tamarix gallica extract induces apoptosis via an intrinsic mechanism 2020, *Romanian Biotechnological Letters* 25(4) 1701-1708, DOI: 10.25083/RBL/25.4/1701.1708
85. Chivu-Economescu M, Necula L, Matei L, Dragu D, Bleotu C, Diaconu CC. Clinical Applications of Liquid Biopsy in Gastric Cancer. *Frontiers in Medicine*, 8, Sep 2021, DOI: 10.3389/FMED.2021.749250.
86. Asprițoiu VM, Stoica I, Bleotu C, Diaconu CC: Epigenetic Regulation of Angiogenesis in Development and Tumors Progression: Potential Implications for Cancer Treatment, *FRONT CELL DEV BIOL*, 06 September 2021; <https://doi.org/10.3389/fcell.2021.689962>.
87. Bostan M, Mihaela M, Petrica-Matei GG, Radu N, Hainarosie R, Stefanescu C D, Roman V, Diaconu CC. Resveratrol modulation of apoptosis and cell cycle response to cisplatin in head and neck cancer cell lines. *INT J MOL SCI* 2021, 22(12), 6322-6342.
88. Popescu, Roxana; Gramescu, Mihaela; Caba, Lavinia; Panzaru, Monica-Cristina; Butnariu, Lacramioara; Braha, Elena; Popa, Setalia; Rusu, Cristina; Cardos, Georgeta; Zeleniuc, Monica; Martiniuc, Violeta; Gug, Cristina; Padurar, Luminita; Stamat, Maria; Diaconu, Carmen C.; Gorduza, Eusebiu Vlad; A Case of Inherited t(4;10)(q26;q26.2) Chromosomal Translocation Elucidated by Multiple Chromosomal and Molecular Analyses. Case Report and Review of the Literature; *GENES* 12; 12; 10.3390/genes12121957, 2021
89. Botezatu, A.; Vladoiu, S.; Fudulu, A.; Albulescu, A.; Plesa, A.; Muresan, A.; Stancu, C.; Iancu, I., V; Diaconu, C. C.; Velicu, A.; Popa, O. M.; Badiu, C.; Dinu-Drăganescu, D.; Advanced molecular approaches in male infertility diagnosis; *BIOLOGY OF REPRODUCTION* 107; 3; 10.1093/biolre/loac105, 2022
90. Constantinescu G; Gheorghe G, Ionescu V A, Plotogea O M, Sandru V, Diaconu CC, Varlas V, Bacalbasa N, Diaconu CC, Ilie-Stan M C, COVID-19 pandemic and its impact on training programs of medical residency in Romania, *Gastroenterol. Insights* 2022, 13, 106–116. DOI: 10.3390/gastroent13010012
91. Chivu-Economescu M, Bleotu C, Grancea C, Chiriac D, Botezatu A, Iancu I V, Pitica I, Necula L G, Neagu A, Matei L, Dragu D, Sultana C, Radu EL, Nastasie A, Voicu O, Ataman M, Nedeianu S, Mambet C, Diaconu CC, Ruta S M (2022) "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, DOI: 10.1111/jcmm.17186, IF=5.310

11.09.2025

92. Levy G, Mambet C, Pecquet C, Bailly S, Havelange V, Diaconu CC, Constantinescu SN. Targets in MPNs and potential therapeutics, *International Review of Cell and Molecular Biology*, vol 366,p 41-81, (2022): <https://doi.org/10.1016/bs.ircmb.2021.06.004>.
93. 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. *Int J Mol Sci.* (2022) Mar 16;23(6):3214. doi: 10.3390/ijms23063214.
94. 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(7):1526. <https://doi.org/10.3390/biomedicines10071526>.
95. Necula, L Matei, D Dragu, I Pitica, A Neagu, C Bleotu, CC Diaconu, Collagen Family as Promising Biomarkers and Therapeutic Targets in Cancer, *International Journal of Molecular Sciences* 23 (20), 12415, 2022.
96. Roman, Viviana; Mihaila, Mirela; Radu, Nicoleta; Marineata, Stefania; Diaconu, Carmen Cristina; Bostan, Marinela; Cell Culture Model Evolution and Its Impact on Improving Therapy Efficiency in Lung Cancer; *CANCERS* 15; 20; 10.3390/cancers15204996, 2023
97. Chivu-Economescu M, V Herlea, S Dima, A Sorop, C Pechianu, A Procop, S Kitahara, L Necula, L Matei, D Dragu, A-I Neagu, C Bleotu, C C Diaconu, I Popescu, D G Duda, Soluble PD-L1 as a diagnostic and prognostic biomarker in resectable gastric cancer patients, *Gastric Cancer*, 1-13, 2023.
98. Gurban P, C Mambet, A Botezatu, LG Necula, AI Neagu, Lilia Matei, Ioana M Pitica, S Nedeianu, M Chivu-Economescu, C Bleotu, M Ataman, G Mocanu, C Saguna, A G Pavel, D Stambouli, E Sepulchre, G Anton, C C Diaconu, SN Constantinescu, Leukemic conversion involving RAS mutations of type 1 CALR-mutated primary myelofibrosis in a patient treated for HCV cirrhosis: a case report - *Frontiers in Oncology*, 13, 1266996, 2023.
99. Diaconu CC, RJ Ellis, DM Hermann, UN world AIDS day, a neuroscience perspective, *Frontiers in Cellular Neuroscience*, 17:1288615., DOI:10.3389/fncel.2023.1288615, 2023
100. Stoica SI, Onose G, Pitica IM, Neagu AI, Ion G, Matei L, Dragu LD, Radu LE, Chivu-Economescu M, Necula LG, Angheliescu A, Diaconu CC, Munteanu C, Bleotu C. Molecular Aspects of Hypoxic Stress Effects in Chronic Ethanol Exposure of Neuronal Cells. *Curr Issues Mol Biol.* 2023, 45(2):1655-1680. doi: 10.3390/cimb45020107. PMID: 36826052
101. Iancu IV, Diaconu CC, Plesa A, Fudulu A, Albulescu A, Neagu AI, Pitica IM, Dragu LD, Bleotu C, Chivu-Economescu M, Matei L, Mambet C, Nedeianu S, Popescu CP, Sultana C, Ruta SM, Botezatu A. LncRNAs expression profile in a family household cluster of COVID-19 patients. *J Cell Mol Med.* 2024 Apr;28(7):e18226. doi: 10.1111/jcmm.18226.
102. Gaman M.A., Mambet C., Neagu A.I., Bleotu C., Gurban P., Necula L., Botezatu A., Ataman M., Diaconu C.C., Ionescu B.O., Ghiaur A.E., Tatic A., Coriu D., Gaman A.M., Diaconu C.C. Assessment of total antioxidant capacity, 8-hydroxy-2'-deoxy-guanosine, the genetic landscape, and their associations in BCR::ABL-1-negative chronic and blast phase myeloproliferative neoplasms. *International Journal of Molecular Sciences* Jun 2024, 25, doi:10.3390/ijms25126652.
103. Bleotu C., Matei L., Dragu L.D., Necula L.G., Pitica I.M., Chivu-Economescu M., Diaconu C.C. Viruses in wastewater-a concern for public health and the environment. *Microorganisms*, Jul 2024, 12, doi:10.3390/microorganisms12071430.
104. Grigoriu-Serbanescu M., Van Der Veen T., Bigdeli T., Herms S., Diaconu C.C., Neagu A.I., Bass N., Thygesen J., Forstner A.J., Nöthen M.M., Mcquillin A. Schizophrenia polygenic risk scores, clinical variables and genetic pathways as predictors of phenotypic traits of bipolar I disorder. *Journal of Affective Disorders* Jul 2024, 356, 507-518, doi:10.1016/j.jad.2024.04.066.
105. Gurban P., Mambet C., Botezatu A., Necula L.G., Matei L., Neagu A.I., Pitica I.M., Dragu L.D., Schulman A.N., Ataman M., Nedeianu S., Chivu-Economescu M., Bleotu C., Anton G., Diaconu C.C. Increased mRNA expression for serotonin receptor 1B (HTR1B) is associated with thrombosis in BCR::ABL1-negative myeloproliferative neoplasms. *Journal of Cellular and Molecular Medicine* Aug 2024, 28, doi:10.1111/jcmm.70024.

11.09.2025

106. Gheorghe G., Diaconu C.C., Mambet C., Bleotu C., Ionescu V.A., Diaconu C.C. Comparative analysis of leptin and carcinoembryonic antigen-related cell adhesion molecule 1 plasma expression in pancreatic cancer and chronic pancreatitis patients. *Heliyon* Sep 2024, 10, doi:10.1016/j.heliyon.2024.e37410.
107. Fudulu A., Diaconu C.C., Iancu I.V., Plesa A., Albulescu A., Bostan M., Socolov D.G., Stoian I.L., Balan R., Anton G., Botezatu A. Exploring the role of E6 and E7 oncoproteins in cervical oncogenesis through MBD2/3-NuRD complex chromatin remodeling. *Genes* May 2024, 15, doi:10.3390/genes15050560.
108. 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., Constantinescu S.N. Dominance of mutations in epigenetic regulators and a diversity of signaling alterations in blast-phase BCR::ABL1-negative myeloproliferative neoplasms. *American Journal Of Hematology* 100:1, 168-171, doi:10.1002/ajh.27503, 2025.
109. Scripcariu I.S., Gisca T., Botezatu A., Socolov D., Vasilache I.A., Diaconu C., Fudulu A. Evaluating the predictive performance of miR-124-2 and FAM19A4 for cervical lesions in a single center from Romania: A prospective study. *Journal Of Clinical Medicine*, May 15 2025, 14, doi:10.3390/jcm14103452.
110. Ionescu V.A., Diaconu C.C., Gheorghe G., Mihai M.M., Diaconu C.C., Bostan M., Bleotu C. Gut microbiota and colorectal cancer: A balance between risk and protection. *International Journal Of Molecular Sciences* Apr 15 2025, 26, doi:10.3390/ijms26083733.
111. Dragu D., Necula L.G., Bleotu C., Diaconu C.C., Chivu-Economescu M. Soluble PD-L1: From immune evasion to cancer therapy. *Life-Basel* Apr 8 2025, 15, doi:10.3390/life15040626.
112. Ion G., Bostan M., Hardman W.E., Mcfarland M.P., Bleotu C., Radu N., Diaconu C.C., Mihaila M., Caramihai M.D., Hotnog C.M. Nutrients lowering obesity-linked chemokines blamable for metastasis. *International Journal Of Molecular Sciences* Mar 2025, 26, doi:10.3390/ijms26052275.
113. Kraja F.P., Jurisic V.B., Hromic-Jahjefendic A., Rossopoulou N., Katsila T., Martinovic K.M., De Las Rivas J., Diaconu C.C., Szöör A. Tumor-infiltrating lymphocytes in cancer immunotherapy: From chemotactic recruitment to translational modeling. *Frontiers In Immunology*, May 22 2025, 16, doi:10.3389/fimmu.2025.1601773.
114. Ionescu, Vlad Alexandru; Diaconu, Camelia Cristina; Gheorghe, Gina; Mihai, Mara-Madalina; Diaconu, Carmen Cristina; Bostan, Marinela; Bleotu, Coralia; Gut Microbiota and Colorectal Cancer: A Balance Between Risk and Protection; *International Journal of Molecular Sciences* 26; 8; 10.3390/ijms26083733, 2025
115. Dragu LD, Chivu-Economescu M, IM Pitica, L Matei, C Bleotu, CC Diaconu, LG Necula, Targeting Exosomal PD-L1 as a New Frontier in Cancer Immunotherapy, *Current Issues in Molecular Biology* 47 (7), 525, <https://doi.org/10.3390/cimb47070525>.
116. Neagu AI, Bostan M, Ionescu VA, Gheorghe G, Hotnog CM, Roman V, Mihaila M, Stoica S I, Diaconu C C, Diaconu C C, Ruta S M, Bleotu C, The impact of the microbiota on the immune response modulation in colorectal cancer. *Biomolecules* 15 (7), 1005, <https://doi.org/10.3390/biom15071005>.
117. L Matei, M Chivu-Economescu, LD Dragu, C Grancea, C Bleotu, R Hrișcă, Popescu CP, Diaconu CC, Ruță SM, Long-Term Durability and Variant-Specific Modulation of SARS-CoV-2 Humoral and Cellular Immunity over Two Years, *International Journal of Molecular Sciences* 26 (16), 8106, <https://doi.org/10.3390/ijms26168106>.
118. VA Ionescu, G Gheorghe, IA Baban, A Barbu, NI Antonie, TF Georgescu, Razvan Matei Bratu, Diaconu CC, Mambet C, Bleotu C, Enache V, Diaconu CC, Clinical, Immunohistochemical, and Inflammatory Profiles in Colorectal Cancer: The Impact of MMR Deficiency, *Diagnostics* 15 (17), 2141, <https://doi.org/10.3390/diagnostics15172141>.
119. CM Hotnog, M Bostan, M Angheliescu, V Roman, C Bleotu, R Hainarosie, Voiosu C, Marineata S, Bostan IS, Diaconu CC, Mihaila M, Long Non-Coding RNAs: Significant Drivers of Carcinogenesis Mechanisms in Head and Neck Squamous Cell Carcinoma, *Current Issues in Molecular Biology* 47 (9), 698, <https://doi.org/10.3390/cimb47090698>.

11.09.2025

120. E Radu, TE Fertig, LD Dragu, IM Pitică, M Surleac, AI Neagu, L Pană, A Păiș, L Matei, I-L Antone-Iordache, Daciana Silvia Marta, Victor-Eduard Petcu, Mihai Niță-Lazăr, Cătălina Stoica, Cornel Popescu, Camelia Mădălina Sultana, Anca Botezatu, Iulia Virginia Iancu, Mihaela Chivu-Economescu, Leontina Baniță, Ana Sorinica Petre, Simona Paraschiv, Mihaela Gherghiceanu, Simona Maria Ruta, Norbert Kreuzinger, Carmen Cristina Diaconu, Coralia Bleotu, Monitoring SARS-CoV-2 Dissemination in Wastewater and Virus Isolation in Cell Cultures: An Integrated Approach for Pathogen Detection and Surveillance, *Journal of Cellular and Molecular Medicine* 29 (17), e70805, <https://doi.org/10.1111/jcmm.70805>.

Capitole de carte

1. CC Diaconu, Hemina in biologie si medicina, Editura Universitara "Carol Davila", ISBN: 978-973-708-522-1, 2011
2. C. Mircioiu, E. Ceausu, D. Marchidan, CM Chiuciuc, C Lupusoru, BC Moldoveanu, C. Bleotu, CC Diaconu, D Bumbacea, L. Matei, Utilizarea investigatiilor de laborator, farmacocinetice si farmacogenomice pentru individualizarea terapiei antituberculoase, Editura Universitara "Carol Davila", ISBN: 978-973-708-578-8
3. C Bleotu, D Socolov, M Anton, A Botezatu, A Plesa, I V Iancu, L I Brasoveanu, G Anton, C C Diaconu, Gynecologic Cancers: Basic Sciences, Clinical and Therapeutic Perspectives, pp15-68, S A Fargahaly (ed) IntechOpen, Rijeka Croatia, 2016
4. Bleotu C, Matei L, Dragu LD, Grigorescu L, Diaconu CC, Anton G, Methods for Plant Genetic Modification, Genetically Engineered Foods, 385-401, Academic Press, <https://doi.org/10.1016/B978-0-12-811519-0.00015-7>, 2018
5. CC Diaconu, P Gurban, C Mambet, M Chivu- Economescu, L G. Necula, L Matei, D Dragu, S Nedeianu, A I. Neagu, A Tatic, D Cristodor, C Bleotu. "Programmed Cell Death Dereglulation in BCR-ABL1-Negative Myeloproliferative Neoplasms" in Programmed Cell Death., IntechOpen Edit. 2019. DOI: 10.5772/intechopen.86062
6. CC Diaconu, IM Pitica, M Chivu-Economescu, LG Necula, A Botezatu, IV Iancu, AI Neagu, EL Radu, L Matei, SM Ruta, C Bleotu, SARS-CoV-2 Variant Surveillance in Genomic Medicine Era, IntechOpen Series, Infectious Diseases, Volume 18, Current Topics in SARS-CoV-2/COVID-19 Two Years After, Ed. Alfonso J. Rodriguez-Morales, 117-150, DOI: <http://dx.doi.org/10.5772/intechopen.107137>, Intech Open, London, UK, 2023.

Conferinte internationale cu abstract indexat WoS

1. Puiu, Liliana; Constantin, Mariana Claudia; Simioana, Mihaela Daniela; Hotnog, Dan; Diaconu, Carmen Cristina; Brasoveanu, Lorelei Irina; MODULATION OF DRUG-INDUCED APOPTOSIS IN BREAST CANCER CELL LINES; ANTICANCER RESEARCH 24; 5D; 2004
2. Niculescu, A.; Gheeta, L.; Motoc, R.; Mihaescu, G.; Huculeci, R.; Diaconu, C.; Ursaciuc, C.; Savi, G.; P53 and rb (retinoblastoma) gene expression in tumoral cells, under the influence of a grape extract; FEBS JOURNAL 274; 2007
3. Hinescu, A. Arghir; Cardos, G.; Diaconu, C.; Chivu, M.; Dragomir, L.; Closca, M.; Lupu, A.; Popescu, D. Mut; Lungeanu, A.; Cytogenetic and molecular study of BCR/ABL negative chronic myeloproliferative disorders: preliminary data; CHROMOSOME RESEARCH 15; 2007
4. Gheorghiu, M.; Pasarica, D.; Trandafir, T.; Diaconu, C.; Bleotu, C.; Prelipceanu, D.; Cytokines signals involved in alcoholic liver disease; FEBS JOURNAL 275; 2008
5. Grigoriu-Serbanescu, M.; Diaconu, C. C.; Herms, S.; Vollmer, J.; Bleotu, C.; Noethen, M. M.; Cichon, S.; TRYPTOPHAN HYDROXYLASE 2 (TPH2) GENE IN BIPOLAR I DISORDER IN THE ROMANIAN POPULATION; EUROPEAN PSYCHIATRY 24; 2009
6. Grigoriu-Serbanescu, M.; Herms, S.; Georgi, A.; Hauser, J.; Czerski, P.; Diaconu, C. C.; Babadjanova, G.; Abou Jamra, R.; Rietschel, M.; Noethen, M. M.; Cichon, S.; BIPOLAR AND UNIPOLAR MAJOR DEPRESSION

11.09.2025

ARE NOT ASSOCIATED WITH THE P2RX7-GENE (SNP RS2230912) IN AN EUROPEAN CASE-CONTROL SAMPLE; EUROPEAN PSYCHIATRY 24; 2009

7. Alexiu, I.; Tardei, G.; Luca, C.; Chivu, M.; Sultana, C.; Grancea, C.; Stoian, M.; Diaconu, C.; Interleukin-6, tumor necrosis factor- α polymorphisms and HBV infection status in two transplant patient groups; FEBS JOURNAL 277; 2010
8. 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; HAEMATOLOGICA-THE HEMATOLOGY JOURNAL 95; 2010
9. Grigoriu-Serbanescu, M.; Herms, S.; Diaconu, C. C.; Bleotu, C.; Neagu, A. I.; Abou Jamra, R.; Gherghel, M.; Sima, D.; Dan, I. A.; Preliceanu, D.; Noethen, M. M.; Cichon, S.; G72/G30 CANDIDATE GENE FOR BIPOLAR I DISORDER IS NOT ASSOCIATED WITH PSYCHOSIS IN THE ROMANIAN POPULATION; EUROPEAN PSYCHIATRY 25; 2010
10. Aldea, I. M.; Bleotu, C.; Brehar, F.; Botezatu, A.; Diaconu, C.; Chivu (Economescu), M.; Lisievici, M.; Gorgan, R. M.; Anton, G.; Investigation of some epigenetic markers in glioblastoma; ANNALS OF ONCOLOGY 22; 2011
11. Dragu, D. L.; Economescu, M. Chivu; Necula, L. G.; Badea, L.; Dima, S. O.; Tudor, S.; Nastase, A.; Popescu, I.; Diaconu, C. C.; New molecular markers associated with gastric adenocarcinoma development and progression; ANNALS OF ONCOLOGY 22; 2011
12. Choong, Meng Ling; Pecquet, Christian; Tai, Shi Jing; Yong, Jacklyn W. Y.; Pendharkar, Vishal; Wang, SiFang; Defour, Jean-Philippe; Diaconu, Carmen C.; Sangthongpitag, Kanda; Villeval, Jean-Luc; Vainchenker, William; Constantinescu, Stefan N.; Lee, May Ann; Combination Treatment with JAK2 and PI3K Inhibitors in Myeloproliferative Neoplasms; BLOOD 120; 21; 10.1182/blood.V120.21.180.180, 2012
13. Dragu, D. L.; Chivu-Economescu, M.; Necula, L. G.; Matei, L.; Diaconu, C. C.; New potentially targets to for inhibition the of metastatic and invasion capacity of gastric cancer cells; FEBS JOURNAL 280; 2013
14. Matei, L.; Nitulescu, G. M.; Aldea, I. M.; Bleotu, C.; Chivu-Economescu, M.; Diaconu, C. C.; Synthesis and evaluation of antitumoral activity of some new pyrazolic compounds; FEBS JOURNAL 280; 2013
15. Dima, S. O.; Tica, V.; Eftimie, M.; Nastase, A.; Bacalbasa, N.; Herlea, V.; Diaconu, C.; Bleotu, C.; Chivu-Economescu, M.; Herlea, V.; Duda, D.; Popescu, I.; The Role of MAP4K4 and S100A4 in Pancreatic Ductal Adenocarcinoma; PANCREAS 43; 8; 2014
16. Ilie, V. M.; Tica, V.; Florea, R.; Sorop, A.; Ivan, L.; Uyy, E.; Suica, V. I.; Antohe, F.; Bacalbasa, N.; Eftimie, M.; Nastase, A.; Herlea, V.; Diaconu, C.; Bleotu, C.; Botezatu, A.; Paslaru, L.; Duda, D.; Popescu, I.; Dima, S.; The predictive role of S100A4 as a prometastatic factor in pancreatic ductal adenocarcinoma; FEBS JOURNAL 281; 2014
17. Ene, Luminita; Oliveira, Michelli F.; Tardei, Gratiela; Diaconu, Carmen; Grancea, Camelia; Soontornniyomkij, Benchawanna; Ruta, Maria S.; Smith, Davey M.; Achim, Cristian L.; CMV impact on neurocognitive impairment in a cohort of Romanian young adults with chronic HIV-infection; JOURNAL OF NEUROVIROLOGY 21; 2015
18. Plaiasu, V. N.; Ozunu, D.; Motei, G.; Zeleniuc, M.; Cardos, G.; Gurban, P.; Dinulescu, G.; Neagu, A.; Necula, L.; Mambet, C.; Pitica, I. Aldea; Matei, L.; Diaconu, C.; Rare genetic alterations involving chromosome 8: three pediatric cases; EUROPEAN JOURNAL OF HUMAN GENETICS 26; 2018
19. Zeleniuc, M.; Gurban, P.; Dinulescu, G.; Plaiasu, V.; Gorduza, E. V.; Diaconu, C. C.; Ozunu, D. A.; Motei, G.; Popa, S.; Cardos, G.; ArrayCGH study of Romanian patients with intellectual disability, developmental delay and malformations; EUROPEAN JOURNAL OF HUMAN GENETICS 26; 2018
20. Burlacu, Ruxandra; Umlauf, Anya; Marcotte, Thomas; Soontornniyomkij, Benchawanna; Diaconu, Carmen; Bulacu-Talnariu, Adina; Temereanca, Aura; Ruta, Simona; Letendre, Scott; Ene, Luminita; Achim, Cristian; Plasma IP-10: a potential biomarker of HAND in HIV plus women; JOURNAL OF NEUROIMMUNE PHARMACOLOGY 13; 2018

11.09.2025

21. Burlacu, Ruxandra; Umlauf, Anya; Marcotte, Thomas; Soontornniyomkij, Benchawanna; Diaconu, Carmen; Bulacu-Talnariu, Adina; Temereanca, Aura; Ruta, Simona; Letendre, Scott; Ene, Luminita; Achim, Cristian; Plasma IP-10: a potential biomarker of HAND in HIV plus women; JOURNAL OF NEUROVIROLOGY 24; 2018
22. Plaiasu, V.; Ozunu, D.; Motei, G.; Ivan, M.; Zeleniuc, M.; Cardos, G.; Gurban, P.; Dinulescu, G.; Diaconu, C.; Chromosomal microarray versus karyotyping for diagnosis of a rare inherited apparently balanced translocation involving chromosomes 13 & 21; EUROPEAN JOURNAL OF HUMAN GENETICS 27; 2019
23. Bumbea, Horia; Marcais, Ambroise; Coriu, Daniel; Tanase, Alina Daniela; Colita, Andrei; Bardas, Alexandru; Lupu, Anca Roxana; Vladareanu, Ana-Maria; Onisai, Minodora Cezarina; Popov, Viola Maria; Iordan, Iuliana; Cisleanu, Magda Diana; Vasile, Daniela Stefania; Ciufu, Cristina Maria; Varady, Zsofia; Craciun, Oana Gabriela; Georgescu, Daniela Georgeta; Andreescu, Mihaela; Mambet, Cristina; Diaconu, Carmen C.; Necula, Laura; Bunaciu, Monica; Necula, Adriana; Constantinescu, Stefan N.; Hermine, Olivier; Results from Treatment of a Large Cohort of ATL Patients from a Country with High HTLV1 Prevalence; BLOOD 134; 10.1182/blood-2019-126434, 2019
24. Ruta, S.; Burlacu, R.; Ene, L.; Umlauf, A.; Diaconu, C.; Rosca, A.; Temereanca, A.; Bulacu-Talnariu, A.; Soontornniyomkij, B.; Marcotte, T.; Achim, C.; Determinants of neurocognitive impairments in a Romanian cohort of young adults with chronic HIV infection; HIV MEDICINE 20; 2019
25. Albulescu, A.; Diaconu, C. C.; Fudulu, A.; Iancu, I. V.; Botezatu, A.; Plesa, A.; Huica, I.; Socolov, D.; Brasoveanu, I.; Anton, G.; hADA3 mutations in acquisition of hrHPV infection; FEBS OPEN BIO 9; 2019
26. Gurban, P.; Mambet, C.; Botezatu, A.; Necula, L. G.; Matei, L.; Mocanu, G.; Saguna, C.; Nedeianu, S.; Chivu-Economescu, M.; Bleotu, C.; Lupu, A.; Anton, G.; Diaconu, C. C.; Constantinescu, S. N.; Type 1 calreticulin mutation in a chronic HCV-infected patient with progressive splenomegaly - NGS as a game changer; FEBS OPEN BIO 9; 2019
27. Grigoriu-Serbanescu, Maria; Giaroli, Giovanni; Thygesen, Johan; Shenyang, Oris; Bigdeli, Tim; Bass, Nicholas; Diaconu, Carmen C.; Forstner, Andreas J.; Nothen, Markus M.; McQuillin, Andrew; ADHD POLYGENIC RISK SCORES IN ROMANIAN AND UK BIPOLAR PATIENTS WITH CHILDHOOD ADHD; EUROPEAN NEUROPSYCHOPHARMACOLOGY 29; 10.1016/j.euroneuro.2018.08.255, 2019
28. Grigoriu-Serbanescu, Maria; Bigdeli, Tim; Herms, Stefan; Diaconu, Carmen C.; Neagu, Ana Iulia; van der Veen, Tracey; Bass, Nick; Nöthen, Markus M.; Forstner, Andreas J.; McQuillin, Andrew; SCHIZOPHRENIA SNP-SET WAVE3 (2022) PREDICTS PSYCHOSIS, AGE OF ONSET AND AGE OF ONSET OF FIRST DEPRESSIVE EPISODE IN BIPOLAR I DISORDER; EUROPEAN NEUROPSYCHOPHARMACOLOGY 63; 10.1016/j.euroneuro.2022.07.205, 2022
29. Botezatu, A.; Fudulu, A.; Iancu, I. V.; Bostan, M.; Mihaila, M.; Albulescu, A.; Diaconu, C. C.; Anton, G.; Plesa, A.; Assessment of HPV16 viral oncogenes' role in genome-wide pattern deposition of MBD2/3 components of NuRD nucleosome remodeling complex; FEBS OPEN BIO 12; 2022
30. Botezatu, Anca; Plesa, Adriana; Iancu, Iulia V.; Bostan, Marinela; Mihaila, Mirela; Albulescu, Adrian; Fudulu, Alina; Diaconu, Carmen C.; Anton, Gabriela; E6 and E7 HPV16 oncogenes influence gene transcription through the genome-wide pattern deposition of MBD2,3 components of NuRD nucleosome remodeling complex; EUROPEAN JOURNAL OF HUMAN GENETICS 30; SUPPL 1; 2022

11.09.2025