

LISTA DE LUCRARI

TEZA DOCTORAT

2011- Academia Romana-Institutul de Virusologie “Stefan S. Nicolau” (ordinul 4387/06.06.2011) “**Studiul instabilitatii genomice in cancerul de col uterin**”, Doctor in Medicina.

CARTI/CAPITOLE DE CARTI

1. Ilea C, Irina Stoian, Gabriela Anton, **Anca Botezatu**, Demetra Socolov, Implicatiile psihosociale ale screeningului pentru cancerul de col uterin, in cartea: Boala cronica - O perspectiva interdisciplinara, Coord. M Iorga, Ed Polirom, 2020, ISBN 978-973-46-8321-5
2. **Anca Botezatu**, Iulia V. Iancu, Oana Popa, Adriana Plesa, Dana Manda, Irina Huica, Suzana Vladoiu, Gabriela Anton, Corin Badiu. The Multifactorial Foundation and Deciphering the Mechanisms-Mechanisms of oncogene activation, Book: Carcinogenesis in Human. edited by Dmitry Bulgin, Publisher InTech/Croatia, 2016, p 1-52. ISBN 978-953-51-4382-6.
3. Adriana Plesa, Iulia Virginia Iancu, **Anca Botezatu**, Irina Huica, Mihai Stoian, Gabriela Anton. The involvement of epigenetic mechanisms in HPV induced cervical cancer. Book: Human Papillomavirus, edited by Rajamanickam Rajkumar, Publisher InTech/Croatia. 2016, p 191-241. ISBN 978-953-51-239-9 *Citări=4*
4. Coralia Bleotu, Demetra Socolov, Mariana Anton, **Anca Botezatu**, Adriana Plesa, Iulia Virginia Iancu, Lorelei Irina Brasoveanu, Gabriela Anton and Carmen Cristina Diaconu. Interplay of Epigenetics with Gynecological Cancer. Book: Gynecologic cancers. Basis sciences, clinical and therapeutic perspectives, edited by Samir A. Farghaly, Publisher InTech/Croatia 2016, p 15-68, ISBN 978-953-51-4278-2.
5. Gabriela Anton, Adriana Plesa, Coralia Bleotu, **Anca Botezatu**, Mihai Stoian, Marina Anton, Lorelei Braşoveanu. Oncogene and Cancer - From Bench to Clinic, Book: Human Papillomaviruses Oncoproteins, edited by Yahwardiah Siregar, Publisher: InTech/Croatia, 2013, 486 pages , ISBN 978-953-51-0858-0
6. Simona O. Dima, Cristiana Tanase, Radu Albuлесcu, **Anca Botezatu**, Irinel Popescu. Novel Biomarkers in Pancreatic Cancer. Book: Pancreatic Cancer - Clinical Management edited by Sanjay K. Srivastava. Publisher InTech/Croatia, 2012, ISBN 978-953-51-0394-3.
7. Demetra Socolov, Coralia Bleotu, Nora Miron, Razvan Socolov, Lucian Boiculese, Mihai Mares, Sorici Natalia, Moshin Veaceslav, **Anca Botezatu**, Gabriela Anton. Correlation Between Chlamydia trachomatis IgG and Pelvic Adherence Syndrome. Book: Chlamydia, edited by Mihai Mares. Publisher InTech/Croatia, 2012, ISBN 978-953-51-0470-4.
8. **Anca Botezatu**, Cristina D. Rusanu-Goia, Iulia V Iancu. Markeri celulari si virali ai infectiei cu HPV. Carte: Infectia colului uterin cu virusul papiloma uman- ghid theoretic si practic de

diagnostic si conduita terapeutica. Universitară Carol Davila, 2010, p 31-44. ISBN 978-973-708-489-9.

9. Irina Huica, **Anca Botezatu**. Testarea virala. Carte: Infectia colului uterin cu virusul papiloma uman- ghid theoretic si practic de diagnostic si conduita terapeutica. Universitară Carol Davila, 2010, p 81-87. ISBN 978-973-708-489-9

ARTICOLE PUBLICATE IN EXTENSO IN REVISTE

Articole in extenso publicate in reviste cotate ISI (cu factor de impact):

1. 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., Dobreă 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 Oct. 2024, doi:10.1002/ajh.27503. **IF=10.1; Q1**
2. Fudulu A., Bostan M., Iancu I.V., Plesa A., Albulescu A., Stoian I.L., Socolov D.G., Anton G., **Botezatu A.** Assessing the methylation status of two potential key factors involved in cervical oncogenesis. Reports Sep 2024, 7, doi:10.3390/reports7030071. **IF=0.8; Q3.**
3. 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. **IF=4.3; Q2,**
4. 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. **IF=4.9; Q1.**
5. 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. **IF=2.8; Q2.**
6. 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 Apr 2024, 28, doi:10.1111/jcmm.18226. **IF=4.3; Q2.**

7. Gurban P., Mambet C., **Botezatu A.**, Necula L.G., Neagu A.I., Matei L., Pitica I.M., Nedeianu S., Chivu-Economescu M., Bleotu C., Ataman M., Mocanu G., Saguna C., Pavel A.G., Stambouli D., Sepulchre E., Anton G., Diaconu C.C., Constantinescu S.N. 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* Sep 2023, 13, doi:10.3389/fonc.2023.1266996. **IF= 3.5;Q2.**
8. Stoian I.L., **Botezatu A.** (autor corespondent), Fudulu A., Ilea C.G., Socolov D.G. Exploring microbiota diversity in cervical lesion progression and HPV infection through 16S rRNA gene metagenomic sequencing. *Journal of Clinical Medicine* Aug 2023, 12, doi:10.3390/jcm12154979.. **IF= 3, Q1. Citări=1**
9. Catana R.D., Moldoveanu M.M., Mihai R.A., **Botezatu A.**, Albulescu A., Kosakyan A., Florescu L. Screening of phytoresources from the Romanian flora with medical applications against COVID – review. *International Journal of Ayurvedic Medicine* Jul-Sep 2023, 14, 624-634. **IF= 0.1 Q4.**
10. **Botezatu A.**, Vladoiu S., Fudulu A., Albulescu A., Plesa A., Muresan A., Stancu C., Iancu I., Diaconu C.C., Velicu A., Popa O.M., Badiu C., Dinu-Draganescu D. Advanced molecular approaches in male infertility diagnosis. *Biology of Reproduction* Sep 2022, 107, 684-704, doi:10.1093/biolre/ioac105. **IF= 3.6 , Q2. Citări=1**
11. 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 E.L., Nastasie A., Voicu O., Ataman M., Nedeianu S., Mambet C., Diaconu C.C., Ruta S.M. 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* Feb 2022, 26, 1293-1305, doi:10.1111/jcmm.17186. **IF= 5.3 , Q2. Citări=24**
12. Hotoboc I.E., Fudulu A., Grigore R., Bertesteanu S., Huica I., Iancu I.V., **Botezatu A.**, (contributie egala), Bleotu C., Anton G. The association between lncRNA H19 and Ezh2 expression in patients with EBV-positive laryngeal carcinoma. *Acta Otorhinolaryngologica Italica* Dec 2021, 41, 537-543, doi:10.14639/0392-100x-n1527. **IF=2.618, Q2. Citări=2**
13. Albulescu A., Plesa A., Fudulu A., Iancu I.V., Anton G., **Botezatu A.** Epigenetic approaches for cervical neoplasia screening (review). *Experimental and Therapeutic Medicine* Dec 2021, 22, doi:10.3892/etm.2021.10916 **IF=2.751, Q3. Citări=14**
14. Marcu A., Colita A., Radu L.E., Jercan C.G., Bica A.M., Asan M., Coriu D., Tanase A.D., Diaconu C.C., 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* Apr 2020, 10, doi:10.3389/fonc.2020.00484. **IF= 5.738, Q2 , Citări=7**
15. Iancu I.V., **Botezatu A.**, (autor corespondent), Plesa A., Huica I., Fudulu A., Albulescu A., Bostan M., Mihaila M., Grancea C., Manda D.A., Dobrescu R., Vladoiu S.V., Anton G., Badiu C.V. Alterations of regulatory factors and DNA methylation pattern in thyroid cancer. *Cancer Biomarkers* May 2020, 28, 255-268, doi:10.3233/cbm-190871. **IF=4.388, Q2. Citări=15**
16. Huica I., Iancu I.V., **Botezatu A.**, Plesa A., Socolov D., Telesman S., Anton G. Factors

associated with persistence of HPV genital infection in a small cohort of romanian women. *Acta Clinica Croatica* Sep 2019, 58, doi:10.20471/acc.2019.58.03.02. **IF= 0.532, Q3. Citări=7**

17. Plesa A., Socolov D., Huica I., **Botezatu A.** (contributie egala), Iancu I.V., Ungureanu C., Telesman S., Albulescu A., Fudulu A., Anton G. High-risk human papillomaviruses distribution in Romanian women with negative cytology. *Journal of Infection in Developing Countries* Apr 2019, 13,doi:10.3855/jidc.11103. **IF= 0.703, Q4. Citări=1**
18. Hotnog C.M., Mihaila M., Puiu L., **Botezatu A.**, Roman V., Popescu I.D., Bostan M., Brasoveanu L.I. Modulation of the interplay between p53, ICAM-1 and VEGF in drug-treated LoVo colon cancer cells. *Romanian Biotechnological Letters* Mar-Apr 2019, 24, doi:10.25083/rbl/24.2/261.270. **IF=0.765 ;Q4. Citări=7**
19. **Botezatu A.**, Iancu I.V., Plesa A., Manda D., Popa O., Bostan M., Mihaila M., Albulescu A., Fudulu A., Vladoiu S.V., Huica I., Dobrescu R., Anton G., Badiu C. Methylation of tumour suppressor genes associated with thyroid cancer. *Cancer Biomarkers* Apr 2019, 25, 53-65, doi:10.3233/cbm-182265. **IF=3.436, Q2. Citări=22**
20. Diaconu C.C., Mambet C., Necula L.G., Gurban P., Matei L., Aldea-Pitica I.M., Neagu A.I., **Botezatu A.**, Bleotu C., Chivu-Economescu M., Roman V., Coriu D., Constantinescu S. Triple negative myeloproliferative neoplasms – sometimes driver mutations stay low-key in plain sight. *Romanian Biotechnological Letters* Jul-Aug 2018, 23, doi:10.26327/rbl2017.12. **IF=0.590;Q4 Citări=1**
21. Iancu I.V., Anton G., **Botezatu A.** (autor correspondent), Huica I., Nastase A., Socolov D.G., Stanescu A.D., Dima S.O., Bacalbasa N., Plesa A. Linc01101 and linc00277 expression levels as novel factors in HPV-induced cervical neoplasia. *Journal of Cellular and Molecular Medicine* Dec 2017, 21, 3787-3794, doi:10.1111/jcmm.13288. **IF= 4.302, Q1. Citări=29**
22. Vladoiu S., **Botezatu A.**, Anton G., Manda D., Paun D.L., Oros S., Rosca R., Draganescu D.D. The involvement of VDR promoter methylation, CDX-2 VDR polymorphism and vitamin D levels in male infertility. *Acta Endocrinologica-Bucharest* Jul-Sep 2017, 13, doi:10.4183/aeb.2017.294. **IF=0.411, Q4 Citări=10**
23. Rosca A., Anton G., **Botezatu A.**, Temereanca A., Ene L., Achim C., Ruta S. Mir-29a associates with viro-immunological markers of HIV infection in treatment experienced patients. *Journal of Medical Virology* Dec 2016, 88,doi:10.1002/jmv.24586. **IF= 1.935, Q3. Citări=22**
24. Vladoiu S., Draganescu D.D., **Botezatu A.**, Anton G., Oros S., Paun D.L., Ianas O., Rosca R., Badiu C. Correlations between polymorphisms of estrogen 1, vitamin d receptors and hormonal profile in infertile men. *Acta Endocrinologica-Bucharest* Apr 2016, 12, doi:10.4183/aeb.2016.137. **IF=0.250, Q4. Citări=7**
25. **Botezatu A.**, Puiu M., Cucu N., Diaconu C.C., Badiu C., Arsene C., Iancu I.V., Plesa A., Anton G. Comparative molecular approaches in prader-willi syndrome diagnosis. *Gene* Jan 2016, 575, doi:10.1016/j.gene.2015.08.058. **IF= 2.415, Q3. Citări=4**
26. Iancu I.V., **Botezatu A.**, Plesa A., Huica I., Socolov D., Anton G. Histone lysine

- demethylases as epigenetic modifiers in HPV-induced cervical neoplasia. *Romanian Biotechnological Letters* Mar-Apr 2015, 20, 10236-10244. **IF= 0.381;Q4** Citări=7
27. **Botezatu A.**, Bleotu C., Nastase A., Anton G., Bacalbasa N., Duda D., Dima S.O., Popescu I. Epigenetic silencing of GNMT gene in pancreatic adenocarcinoma. *Cancer Genomics & Proteomics* Jan-Feb 2015, 12, 21-30. **IF=2.800, Q2** Citări=12
28. Plesa A., Anton G., Iancu I.V., Diaconu C.C., Huica I., Stanescu A.D., 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. *Archives of Virology* Dec 2014, 159, doi:10.1007/s00705-014-2199-8 **IF=2.390, Q3.** Citări=12
29. Cernescu E., Ruta S., **Botezatu A.**, Anton G., Cernescu C. Impact of education level and life-style related factors on high-risk human papillomaviruses infections. *Romanian Biotechnological Letters* Mar-Apr 2014, 19, 9272-9279. **IF=0.404;Q4** Citări=1
30. **Botezatu A.**, Socolov R., Socolov D., Iancu I.V., Anton G. Methylation pattern of methylene tetrahydrofolate reductase and small nuclear ribonucleoprotein polypeptide n promoters in oligoasthenospermia: A case-control study. *Reproductive Biomedicine* Online Feb 2014, 28, doi:10.1016/j.rbmo.2013.10.010 **IF=3.0.15, Q1.** Citări=38
31. Hotnog D., Mihaila M., **Botezatu A.**, Matei G.G., Hotnog C., Anton G., Bostan M., Brasoveanu L.I. Genistein potentiates the apoptotic effect of 5-fluorouracyl in colon cancer cell lines. *Romanian Biotechnological Letters* Nov-Dec 2013, 18, 8751-8760.. **IF=0.351;Q4** Citări=11
32. **Botezatu A.**, Socolov D., Iancu I.V., Huica I., Plesa A., Ungureanu C., Anton G. Methylenetetrahydrofolate reductase (MTHFR) polymorphisms and promoter methylation in cervical oncogenic lesions and cancer. *Journal of Cellular and Molecular Medicine* Apr 2013, 17, 543-549, doi:10.1111/jcmm.12032. **IF= 3.698, Q1.** Citări=25
33. Bleotu C., Pircalabioru G., Dragusel R., Aldea I.M., **Anca B.**, Banu O., Mihaescu G., Cernescu C.E., Diaconu C.C. Modulation of interaction between virus and eukaryotic host by exposure to *S. aureus* bacterial soluble fractions. *Current Organic Chemistry* Jan 2013, 17, doi:10.2174/1385272811317020009. **IF= 2.537;Q2**
34. Arsene C., Zarnescu O., Puiu M., Anton G., **Botezatu A.**, Popa C., Cucu N. Epigenetic approach of Prader-Willi syndrome diagnosis in Romanian population. *Romanian Biotechnological Letters* Nov-Dec 2012, 17, 7846-7852. **IF=0.363;Q4** Citări=1
35. Bubenek S., Nastase A., Niculescu A.M., Baila S., Herlea V., Lazar V., Paslaru L., **Botezatu A.**, Tomescu D., Popescu I., Dima S. Assessment of gene expression profiles in peripheral occlusive arterial disease. *Canadian Journal of Cardiology* Nov-Dec 2012, 28, doi:10.1016/j.cjca.2012.03.013. **IF= 3.122. Q2.** Citări=15
36. Huica I., **Botezatu A.**, Iancu I.V., Lupeanu E., Anton M., Goia C.D., Anton G. Genetic and epigenetic aspects in cardio-vascular disease and ageing. *Romanian Biotechnological Letters* Sep-Oct 2011, 16, 6488-6496. **IF=0.349;Q4.** Citări=3
37. **Botezatu A.**, Goia-Rusanu C.D., Stanescu A.D., Iancu I.V., Popa E., Nistor E., Huica I., Anton G., Plesa A. WWP1, TGF beta and KLF5 gene expression levels as new possible

- factors involved in cervical oncogenesis. *Revista Romana De Medicina De Laborator* Mar 2011, 19, 47-54.. **IF= 0.091;Q4**
38. Anton G., Peltecu G., Socolov D., Cornitescu F., Bleotu C., Sgarbura Z., Teleman S., Iliescu D., **Botezatu A.**, Goia C.D., Huica I., Anton A.C. Type-specific human papillomavirus detection in cervical smears in Romania. *Apmis* Jan 2011, 119, 1-9, doi:10.1111/j.1600-0463.2010.02641.x. **IF= 1.991, Q3 Citări=4**
 39. **Botezatu A.**, Goia-Rusanu C.D., Iancu I.V., Huica I., Plesa A., Socolov D., Ungureanu C., Anton G. Quantitative analysis of the relationship between microRNA-124a,-34b and-203 gene methylation and cervical oncogenesis. *Molecular Medicine Reports* Jan-Feb 2011, 4, doi:10.3892/mmr.2010.394. **IF= 0.418, Q4 Citări=35**
 40. Goia C.D., Iancu I.V., Socolov D., **Botezatu A.**, Lazaroiu A.M., Huica I., Plesa A., Anton G. The expression of cell cycle regulators in HPV – induced cervical carcinogenesis. *Romanian Biotechnological Letters* Jul-Aug 2010, 15, 5376-5383. **IF=0.219;Q4 Citări=1**
 41. Puiu M., Rusu C., Badiu C., Dan D., **Botezatu A.**, Cucu N. Prader-willi syndrome and diagnostic protocols: A preliminary study in Romania. *Revista Romana De Medicina De Laborator* Mar 2010, 18, 15-22.. **IF= 0.113;Q4**
 42. Bleotu C., **Botezatu A.**, Goia C., Socolov D., Dragomir L., Popa E., Cornitescu F., Teleman S., Anton G. Htert expression as a potential diagnostic marker. *Romanian Biotechnological Letters* Jan-Feb 2010, 15, 4922-4930. **IF=0.219;Q4**

Articole in extenso publicate in reviste cotate ISI (fara factor de impact):

1. Amfim A., **Botezatu A.**, Anton G., Burlibasa L., Zarnescu O., Albu C., Matei M., Tanase A., Radu L.G., Alexandrescu L. Canine model for the study of the epigenetic factors involved in mammary tumor development. *Biointerface Research in Applied Chemistry* Feb 2021, 11, doi:10.33263/BRIAC111.75437557. *Citări=1*
2. **Anca B.**, Iulia V.I., Adriana P., Irina H., Alina F., Adrian A., Gabriela A. Molecular and serological prospects for SARS-Cov-2 epidemiology. *Pharmacophore* 2020, 11, 122-131. *Citări=1*
3. Stanislav A.A., Vassu-Dimov T., Iacob M.M., **Botezatu A.**, Arsene C., Burlibasa L., Bodron P., Sarghie L., Cucu N., Alexandrescu L. Investigation of fat mass and obesity associated (FTO) gene polymorphism in romanian population. *Biointerface Research in Applied Chemistry* Dec 2018, 8, 3710-3718.. *Citări=2*

Articole in extenso in reviste indexate BDI:

1. Alina Fudulu, Iulia Virginia Iancu, **Anca Botezatu**, Adriana Pleșa, Adrian Albușescu, Irina Huică, Demetra Socolov, Gabriela Anton. Interferon regulatory factor 3 promoter's methylation in high-risk HPV cervical infection; *Roum Arch Microbiol Immunol.* 2020; 79(1): 44-53. ISSN:1222-3891

2. Anca Nastase, Simona Dima, Valeria Tica, Raluca Florea, Andrei Sorop, Veronica Ilie, Mihai Eftimie, Liliana Paslaru, Vlad Herlea, Nicolae Bacalbasa, Luminita Ivan, Elena Uyy, Viorel Iulian Suica, Felicia Antohe, Iulia V Iancu, Adriana Plesa, Anca Botezatu, Dan G Duda, Carmen C Diaconu. S100A4 and ERBB2 as Co-Factors in Pancreatic Cancer, *J. Transl. Med. Res* 2016; 21(4):259-266 doi: 10.21614/jtmmr-21-4-100.
3. Irina Huica, Iulia V. Ianc, Anca Botezatu, Otilia Banu, Elena Lupeanu, Mariana Anton. Circulating miR-21 and TGF- β 1 expression levels in patients with cardiovascular diseases. *J. Transl. Med. Res* 2015; 20(3):132-137. doi: 10.21614/jtmmr-20-3-44.
4. Cristian Comanescu, Victoria Arama, Camelia Grancea, Coralia Bleotu, Mihaela Radulescu, Catalin Tiliscan, **Anca Botezatu**, Gabriela Anton, Simona Ruta. The performance of a rapid test for anti-hcv screening in oral fluids. *Roum Arch Microbiol Immunol.* 2015;74(1-2):40-5. ISSN 1222-3891 (CNCSIS B+).
5. Iulia V. Iancu, Adriana Plesa, **Anca Botezatu**, Irina Huica, Anca D. Stanescu, Demetra Socolov, Gabriela Anton. E5HPV16 mRNA expression pattern analysis in patients with cervical lesions in viral status context. *Roum Arch Microbiol Immunol.* 2015; 74(1-2):33-39. ISSN 1222-3891 (CNCSIS B+)
6. Cristina Goia-Ruşanu, Iulia Iancu, **Anca Botezatu**, Demetra Socolov, Irina Huică, Adriana Pleşa, Gabriela Anton. Mitochondrial DNA mutations in patients with HRHPV-related cervical lesions. *Roum Arch Microbiol Immunol.* 2011; 7(1):5-10. ISSN: 1222-3891. (CNCSIS B+).
7. Iulia Iancu, **Anca Botezatu**, Cristina Goia-Ruşanu, Anca Stănescu, Irina Huică, Elena Nistor, Gabriela Anton, Adriana Pleşa. TGF-beta signalling pathway factors in HPV-induced cervical lesions. *Roum Arch Microbiol Immunol.* 2010; 69(3):113-8. ISSN: 1222-3891. (CNCSIS B+).
8. Cristina D Goia, Iulia V Iancu, Irina Huica, **Anca Botezatu**, Demetra Socolov, S Telesman, Anda V Dragodan, C Antipa, Anton Gabriela, Epstein -Barr virus and Chlamidia Trachomatis as cofactors in cervical carcinogenesis, *Proc Rom Acad.* 2009; 1:9-14,
9. Iulia V Iancu, **Anca Botezatu**, Demetra Socolov, Cristina Goia, C Ungureanu, I Huică, Adriana Pleşa, Gabriela Anton, Markerii de imortalizare în leziuni displazice de col uterin HPV induse. *St. Cercet. Virusol.* 2009; 39:3-11. ISSN 1841-1088
10. Irina Huică, Demetra Socolov, Peltecu G, Corniţescu F, **Anca Botezatu** A, Telesman S, Goia CD, Adriana Pleşa, Gabriela Anton. Markerii ai persistenţei infecţiei cu HPV la paciente cu citologie ASCUS şi LSIL, *St. Cercet. Virusol.* 2009; 39(21):71-77. ISSN 1841-1088
11. Coralia Bleotu, **Anca Botezatu**, Cristina Goia, Demetra Socolov, Florin Cornitescu, Silviu Telesman, Irina Huica, Iulia Iancu, Gabriela Anton. P16INK4A--A possible marker in HPV persistence screening. *Roum Arch Microbiol Immunol.* 2009; 68(3):183-9. ISSN: 1222-3891. (CNCSIS B+).
12. Mihai Mares, Demetra Socolov, Bogdan Doroftei, **Anca Botezatu**, Cristina Goia. The prevalence of some bacterial markers in female patients undergoing an initial infertility

- evaluation in north-east Romania. Roum Arch Microbiol Immunol. 2009; 68(3):171-4. ISSN: 1222-3891. (CNCSIS B+).
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79. Adriana Pleșa, **Anca Botezatu**, Demetra Socolov, Gabriela Anton – Estimarea instabilității genomice in hipometilarea și hipermetilarea globală a ADN in cancerul de col uterin (Genomic instability estimation in cervical cancer globalDNA hypomethylation and gypermethylation) – Conference in New Perspective in Cancer Pathology, 24-27 mai, 2007, București. Abstract in Culegere de rezumate, 2007, P.P. 3.1.
80. Adriana Plesa, Coralia Bleotu, Demetra Socolov, G Peltecu, F Cornitescu, Cristina Goia, **Anca Botezatu**, Gabriela Anton. Prevalenta infectiei HPV in diferite zone din Romania. . Al III-lea Simpozion „Acad. Nicolae Cajal”, Bucuresti, 28-29 marie 2007, Abstract aparut in Culegerea de rezumate, 2007, pg 78
81. Demetra Socolov, Ana C. Anton, Coralia Bleotu, Adriana Plesa, Marina Anton, **Anca Botezatu**, Cristina Goia, Gabriela Anton. hTERT expression in neoplastic cervical disease, poster EUROGYN 2007- New Strategies of Cervical Cancer Prevention, 4-6 october 2007, Monte Carlo, Monaco, Abstract book, p.94 N.

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Prezentari orale invitate la manifestari stiintifice

1. **Anca Botezatu**. Explorarea diversității microbiotei în progresia leziunilor cervicale și infecția cu HPV prin secvențierea metagenomică a genei 16S rRNA. Seminar Stiintific Institutul de Virusologie Stefan S. Nicolau, 06.07.2023, Bucuresti
2. **Anca Botezatu**. Modificări genetice și epigenetice ale genelor TET1 și TET2 în neoplasmle mieloproliferative, Conferinta de inchidere a proiectului MYELOAL-EDIAPROT, 25.10.2023, Bucuresti
3. **Anca Botezatu**, Iulia Virginia Iancu, Coralia Bleotu, Mihaela Economescu, Laura Necula, Ana Iulia Neagu, Saviana Nedeianu, Denisa Dragu, Lilia Matei, Ioana Pitica, Alina Nastasie, Marinela Bostan, Mirela Mihaila, Laura Grecu, Adriana Plesa, Alina Fudulu, Adrian Albulescu, Camelia Sultana, Simona Ruta, Cristina Mambet, Gabriela Anton, Carmen C. Diaconu., Dinamica mutatiilor genomului SARS-CoV2 si variantele virale, ACADEMIA ROMÂNĂ, 22-23 noiembrie 2021 Conferința Cercetării Științifice din Academia Română
4. **Anca Botezatu**, Iulia V Iancu, Marinela Bostan, Mirela Mihăilă, Adrian Albulescu, Alina Fudulu, Carmen C Diaconu, Gabriela Anton, Adriana Pleșa. The Role of E6 And E7 HPV16 Oncoproteins In Host Chromatin Remodelling Through Components Of NURD Complex. The XIVth edition of Academician Nicolae Cajal Symposium “Edition dedicated to the memory of Acad. Nicolae Cajal”, 17-19 October 2019, Bucharest, Abstract book pg 5.
5. **Anca Botezatu**, Adriana Pleșa, Iulia V Iancu, Alina Fudulu, Adrian Albulescu, Irina Huică, Demetra Socolov, Gabriela Anton. Histon-acetiltransferazele în oncogeneza cervicală. Zilele Medicale și Științifice ale Institutului Oncologic Prof. Dr. Alexandru Trestioreanu București. Complexitatea cancerului - o continuă provocare; 16-18 mai 2019 Institutul Oncologic București
6. **Anca Botezatu** A, Iulia V Iancu, Adriana Pleșa, Adrian Albulescu, Alina Fudulu, Marinela Bostan, Mirela Mihaila, Irina Huică, Gabriela Anton. The involvement of E6 and E7 HPV16 oncogenes in chromatin remodelling through components of NuRD complex, Al 11-lea Simpozion de Patologie, 22-24 Noiembrie 2018, București

7. **Anca Botezatu**, Iulia Virginia Iancu, Otilia Popa, Adriana Pleșa, Dana Manda, Marinela Bostan, Suzana Vlădoiu, Irina Huică, Gabriela Anton, Corin Badiu. Epigenetic Alterations in Human Thyroid Oncogenesis. European Human Genetics Conference (ESHG,) 2016, Barcelona, Spain, abstract in European Journal of Human Genetics, vol 24-E supp 1, 2016, pp.364, p17.22. ISSN: 1018-4813, **IF= 5.351**
8. **Anca Botezatu**, Iulia Iancu, Adriana Pleșa, Carmen C Diaconu, Gabriela Anton, Raluca Florea, Veronica Ilie, Andrei Sorop, Nicolae Bacalbașa, Valeria Tica, Simona Dima, Irinel Popescu. Possible epigenetics biomarkers in pancreatic oncogenesis. Academician Nicolae Cajal Symposium of the Academy of Medical Sciences Romanian Academy Library, March 17 – 19, 2016. Abstract publicat în Journal of Translational Medicine and Research Supplement I / Vol. 21 / 2016, OP-02, S4
9. Iulia Iancu, **Anca Botezatu**, Adriana Pleșa, Irina Huică, Demetra Socolov, Gabriela Anton. Epigenetic alterations in cervical carcinoma. Academician Nicolae Cajal Symposium of the Academy of Medical Sciences Romanian Academy Library, March 17 – 19, 2016. Abstract publicat în Journal of Translational Medicine and Research Supplement I / Vol. 21 / 2016, OP 16, S18

Premii

1. **Premiul “Marcela Eugenia Pitiș” acordat in cadrul celui de-al XI-lea Congres al Asociației De Endocrinologie Clinica din Romania, Craiova, 2016** pentru lucrarea:

Suzana Vlădoiu, Anca Botezatu, Daniela Dinu Draganescu, Dana Manda, Sabina Oros, Diana Paun, Roxana Roșca, Corin Badiu, Gabriela Anton. Metilarea insulelor CPG din promotorul genei MTHFR este asociata cu infertilitatea masculina.

2. **Premiul “Stefan S Nicolau” al Academiei Romane pentru suita de lucrari consacrate mecanismelor genetice si epigenetice implicate in carcinogeneza indusa de virusurile papilloma umane (HPV), 18 decembrie 2015:**

1. *Iulia Iancu, Anca Botezatu, Cristina Goia-Rușanu, Anca Stănescu, Irina Huică, Elena Nistor, Gabriela Anton, Adriana Pleșa. TGF-beta signalling pathway factors in HPV-induced cervical lesions. Roum Arch Microbiol Immunol. 2010 Jul-Sep; 69(3):113-8. ISSN: 1222-389.*

2. *Cristina Goia-Rușanu, Iulia Iancu, Anca Botezatu, Anca Lazaroiu, Irina Huica, Adriana Plesa, Gabriela. Anton, The expression of cell cycle regulators in HPV-induced cervical carcinogenesis, Rom Biotech Lett, 2010. ISSN: 1224-5984. IF- 0.4*

3. *Anca Botezatu, Cristina D. Goia-Rușanu, Anca D. Stănescu, Iulia V. Iancu, Elena Popa, Elena Nistor, Irina Huica, Gabriela Anton, Adriana Pleșa. WWP1, TGF β and KLF5 gene expression levels as new possible factors involved in cervical oncogenesis. Revista Română de Medicină de Laborator Vol. 19, Nr. 1/4, Martie 2011. ISSN-L: 1841-6624. IF- 0.171*

4. *Anca Botezatu, Cristina Daniela Goia-Rusanu, Iulia Virginia Iancu, Irina Huica, Adriana Plesa, Demetra Socolov, Carmen Ungureanu, Gabriela Anton. Quantitative analysis of the*

relationship between microRNA-124a, -34b and -203 gene methylation and cervical oncogenesis Molecular Medicine Reports; January-February 2011, Volume 4 Number 1:121-128, Doi: 10.3892/mmr.2010.394. ISSN: 1791-2997. IF- 1.554

5. Cristina Goia-Ruşanu, Iulia Iancu, **Anca Botezatu**, Demetra Socolov, Irina Huică, Adriana Pleşa, Gabriela Anton. Mitochondrial DNA mutations in patients with HRHPV-related cervical lesions. *Roum Arch Microbiol Immunol.* 2011 Jan-Mar;70 (1):5-10. ISSN: 1222-3891. (CNCSIS B+).

6. **Anca Botezatu**, Demetra Socolov, Iulia Iancu, Irina Huica, Adriana Plesa, Carmen Ungureanu, Gabriela Anton. Methylenetetrahydrofolate reductase (MTHFR) polymorphisms and promoter methylation in cervical oncogenic lesions and cancer. *J Cell Mol Med.* 2013, 17(4):543-9. doi: 10.1111/jcmm.12032. ISSN: 1582-4934. IF- 4.014

7. Gabriela Anton, Adriana Plesa, Coralia Bleotu, **Anca Botezatu**, Mihai Stoian, Marina Anton, Lorelei Braşoveanu. Human Papillomaviruses Oncoproteins. *Oncogene and Cancer - From Bench to Clinic*, Edited by Yahwardiah Siregar, 486 pages, Publisher: InTech, Chapters published 2013 under CC BY 3.0 license DOI: 10.5772/3217. ISBN 978-953-51-0858-0

3. Young Investigator Award, acordat in cadrul celui de-al 46-lea Annual Meeting, American Pancreatic Association, San Diego, California, 2015 pentru lucrarea:

Anca Botezatu, Iulia Iancu, Adriana Pleşa, Carmen C Diaconu, Gabriela Anton, Radu Florea, Andrei Sorop, Nicolae Bacalbasa, Valeria Tica, Dan Duda, Irinel Popescu. *Deregulation B-Catenin gene expression in pancreatic cancer.*

4. Premiul Herbert Berler-Barbu acordat in cadrul celui de-al VIII-lea Simpozion „Academician Nicolae Cajal”, Bucuresti, 2013 pentru lucrarea:

Adriana Plesa, Gabriela Anton, Iulia Iancu, Carmen C. Diaconu, Irina Huica, Anca Stanescu, Demetra Socolov, Mihai Stoian, **Anca Botezatu**. *The role of HPV16 viral variants in the progression of dysplastic lesions. “Academician Nicolae Cajal” Symposium (Virology and molecular medicine genomics, molecular and cellular biology. March 27-29, pg 10, 2013).*

5. Premiul Best Poster Award acordat in cadrul celei de-a III-a Conferinte Nationale de Genetica Medicala si al IX-lea Congres Balcanic de Genetica Medicala, Timisoara, 2011 pentru lucrarea:

Anca Botezatu, Arsene Cosmin, Natalia Cucu., Maria Puiu, Carmen C Diaconu, Iulia Iancu, Corin Badiu, Gabriela Anton. *Comparative molecular approaches in Prader-Willi/ Angelman syndrome diagnosis.*

6. Premiul Excellence Award acordat in cadrul celei de-a VI-a editii a Simpozionului “Academician Nicolae Cajal”, Bucuresti, 2011 pentru lucrarea:

Anca Botezatu, Iulia V. Iancu, Coralia Bleotu, Demetra Socolov, Lilia Matei, Gabriela Anton. *Tumor suppressor miRNAs in HPV-related cervical oncogenesis.*

Articole premiate CNCSIS:

1. Iulia V Iancu, **Anca Botezatu**, Adriana Pleșa, Irina Huică, Alina Fudulu, Adrian Albulescu, Marinela Bostan, Mirela Mihăilă, Camelia Grancea, Dana Manda, Susana Vlădoiu, Gabriela Anton, Corin Badiu. Alterations of regulatory factors and DNA methylation pattern in thyroid cancer. *Cancer Biomarkers*. 2020; 28: 255–268. doi: 10.3233/CBM-190871 PN-III-P1-1.1- PRECISI-2020- 52263
2. Iulia V Iancu, Gabriela Anton, **Anca Botezatu**, Irina Huică, Anca Nastase, Demetra Socolov, Anca Stanescu, Olimpia Dima, Nicolae Bacalbasa, Adriana Pleșa. LINC01101 and LINC00277 expression levels as novel factors in HPV-induced cervical neoplasia. *Journal of cellular and molecular medicine*. *J Cell Mol Med*. 2017; 21(12):3787-3794. doi: 10.1111/jcmm.13288. *PN-III-PI-1.1-PRECISI-2018-22158*.
3. **Anca Botezatu**, Razvan Socolov, Demetra Socolov, Iulia-Virginia Iancu, Gabriela Anton. Methylation pattern of methylene tetrahydrofolate reductase and small nuclear ribonucleoprotein polypeptide N promoters in oligoasthenospermia: a case-control study. *Reprod Biomed Online*. 2014, 28(2):225-31. doi: 10.1016/j.rbmo.2013.10.010. ISSN: 1472-6483. *PN-II-RU-PRECISI-2014-8-7342*
4. **Anca Botezatu**, Demetra Socolov, Iulia Iancu, Irina Huica, Adriana Plesa, Carmen Ungureanu, Gabriela Anton. Methylenetetrahydrofolate reductase (MTHFR) polymorphisms and promoter methylation in cervical oncogenic lesions and cancer. *J Cell Mol Med*. 2013, 17(4):543-9. doi: 10.1111/ jcmm. 12032. ISSN: 1582-4934. *PN-II-RU-PRECISI-2014-8-7375*

PROIECTE DE CERCETARE-DEZVOLTARE-INOVAR

Granturi /proiecte castigate prin competitie (director /responsabil proiect)

1. 2020-2022 Contract PN-III-P1-1.1-TE-2019-1759/ TE39/2020 Corpusculii ND10-structuri dinamice in remodelarea cromatinei virale in infectia timpurie cu virusurile papilloma umane se risc crescut. *431900 RON*
2. 2020-2022 Contract PN-III-P2-2.1-PED-2019-4402/ 544PED/2020 Algoritmi de inteligentă artificială în diagnosticul infertilității masculine bazati pe noi abordări moleculare. *637500 RON*
3. 2015-2017 - Contract PNII-RU-TE-2014-4-2502/ 31/2015 Rolul oncogenelor virale E6/E7 HPV16 in reglarea activitatii componentelor complexului de remodelare cromatiniana NuRD (MBD2, MBD3). *550000 RON*
4. 2012-2016 - Contract PNII 135-2012. Markeri moleculari ca predictorii ai evolutiei post-terapeutice si prognosticului in managementul carcinomului tiroidian diferentiat. *700000 RON*
5. 2012-2016 - Contract PNII 90-2012. Rolul factorilor S100A4 si MAP4K4 in progresia adenocarcinomului ductal pancreatic (S100MAP). *650000 RON*
6. 2007-2008 Contract nr.85/10.08.2007 Genetic and epigenetic characterization of WWP1-potential marker in mammary oncogenesis

Contracte/ Granturi nationale-membru in echipa de cercetare

1. 2020-2022 Contract PN-III-P2-2.1-PED-2019-5143 Dezvoltarea unor sisteme de nanoparticule antitumorale, bazate pe noi complexi metalici
2. 2014-2016 PN-II-PT-PCCA-2013-4 Implementarea unui algoritm de diagnostic bazat pe analiza complexă a profilului genomic pentru pacienții cu anormalități congenitale și de dezvoltare (CONGEN)
3. 2008-2011- Contract PN 62057/2008. Metabolomica, genomica si epigenetica studiu complex al patologiei cardiovasculare si imbatranirea populatiei.
4. 2008-2011- Contract CNMP: 42-113 Corelarea aspectelor clinice, genetice si epigenetice in intelegerea etiologiei bolilor genomice Prader Willi/Angelman: model de abordare multidisciplinara a bolilor rare in Romania
5. 2007 – 2010- Contract PNII 41-081/2007 CEEEX. Studiu privind utilizarea expresiei genei E4 a HPV in zona de transformare a colului uterin ca marker de excludere a riscului de progresie catre cancer.
6. 2007-2010 - Contract PNCDI 11-034/2007. Sisteme nanostructurate pentru identificare antigenelor virale utilizate in diagnosticul medical.
7. 2007-2008- GAR Evaluarea statusului antioxidant- un marker pentru persistenta infectiei genitale cu virusul papilloma uman.
8. 2006-2008 - Contract CEEEX 119/ 2006 Markeri de diagnostic si criterii de management in infectia de col uterin cu HPV
9. 2006-2008 - Contract CEEEX 176/2006 Studii experimentale asupra celulelor stem mezenchimale umane transfectate în scopul dezvoltării unei strategii terapeutice inovative a glioblastomului .
10. 2006-2008 - Contract CEEEX – M3 – 122/2006 Promovarea cercetarii de genetica psihiatrica din Romania prin parteneriat international in studii genetice si epigenetice ale bolii bipolare
11. 2006-2008 - Contract CEEEX – M3 – 117/2006 Rolul informatiei epigenetice in oncogeneza: implicatii in atitudinea terapeutica si diagnostic

Contracte/ Granturi internationale-membru in echipa de cercetare

1. 2017-2023 - POC P_37_798: Stabilirea Profilului Molecular al Neoplasmelor Mieloproliferative și al Leucemiei Acute Mieloide pentru Designul unor Strategii de Diagnostic Precoce, Prognostic și Tratament (MYELOAL – EDIAPROT)-proiect international.
2. (2012-2015) POSCCE, Axa prioritara 2 Operatiunea 2.2.1: Proiect 433/21.12.2012 Modernizarea unui centru pentru studiul oncogenezei și al utilizării oncolizei virale ca strategie terapeutică (ONCOIVN)
3. 2010-2012- INFERTIMIC423/0406.2010- Bilateral Proiect Romania-Moldova- Proteomics and molecular diagnostic implications in microbial cause infertility

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