



**Curriculum vitae
Europass**

Informații personale

Nume / Prenume

Anton/Gabriela

Adresă(e)

Bucuresti,

Telefon(oane)

40 21 3242590

E-mail(uri)

gabi_anton2000@yahoo.com

Naționalitate(-tăți)

Romana

Data nașterii

09.06.1955

Sex

F

Domeniul ocupațional

Cercetare stiintifica -medicina

Pozitia actuala

Conducator doctorat domeniul Medicina- Scoala doctorala a Academiei Romane-Institutul de Virusologie

Experiența profesională

2005-2021 Cercetator stiintific gr I Sef Departament Virusologie Moleculara, Institutul de Virusologie "St. S. Nicolau" al Academiei Romane.

Conducator doctorat domeniul medicina- Academia Romana (din 2007),

2000-2005 Cercetator stiintific gr II, Institutul de Virusologie Virusologie "St. S. Nicolau"

2005-2011 Universitatea Politehnica din București, Dept. Bioinginerie și Biotehnologie – Master (Inginerie genetica si biologie moleculara); - Universitatea Pitesti (master biochimie medicala)

1997-2000 - Cercetator stiintific gr III, Institutul de Virusologie "St. S. Nicolau"

1984-1997 - Cercetator stiintific, Institutul de Virusologie "St. S. Nicolau"

1990-1997- doctorand, specialitatea biologie moleculara, Biochimie, Universitatea Bucuresti

Activități și responsabilități principale

cercetare stiintifica in domeniile biologie moleculara, virusologie, epigenetica;
management proiecte cercetare; management activitate de cercetare;
coordonare doctorate
reviewer jurnale stiintifice
evaluator proiecte nationale si internationale
activitate didactica;

Educație și formare

Perioada

1990-1997

Calificarea / diploma obținută

Doctorat

Disciplinele principale studiate / competențe profesionale dobândite

Biologie moleculara/ virusologie

Numele și tipul instituției de învățământ / furnizorului de formare

Universitatea Bucuresti/Facultatea Biologie/ Sectia biochimie

Nivelul în clasificarea națională sau internațională

Doctor in biologie

Perioada

1978

Calificarea / diploma obținută

Licenta

Disciplinele principale studiate / competențe profesionale dobândite

Biochimie

Numele și tipul instituției de învățământ / furnizorului de formare

Universitatea Bucuresti /Facultatea Biologie/ Sectia biochimie

Limba(i) maternă(e)

Romana

Limba(i) străină(e) cunoscută(e)

Autoevaluare

Înțelegere

Vorbire

Scriere

Nivel european (*)	Ascultare	Citire	Participare la conversație	Discurs oral	Exprimare scrisă
Limba engleza	C2	C2	C2	C2	C2
Limba franceza	C1	B2	B1	B1	B2

Competențe și aptitudini organizatorice	organizare departamentala- Dept Virusologie Moleculara coordonator teze doctorat, dizertatie/licenta organizare manifestari stiintifice (seminarii, conferinte) membru in consiliul stiintific al Institutului de Virusologie
Competențe și aptitudini tehnice	Diagnostic virusologic, biologie moleculara, epigenetica Curs Biochimie (CEFOR) organizat de Tempus-Phare- Bucuresti ; Influenza Training Course (CDC –Atlanta- SUA) ; European School of Oncology- Epigenetics and New Therapies in Cancer (Madrid-Spania) ; DNA methylation (Bonn- Germania); Curs postuniversitar Multidisciplinary approach in management of PWS (Timisoara); Curs management proiect (atestat Ministerul Muncii si MEN)
Membru al societăților profesionale	Societatea Romana de Biochimie si Biologie Moleculara (SRBBM) (afiliata FEBS)– din 1996 Societatea de Bioinginerie si Biotehnologie (2006- 2008) Societatea de Imunologie din Romania – 2008-2021 (afiliata IUIS, EFIS, BAIS) European Association of Cancer Research (EACR) – din 2005 European Society of Human Genetics (ESHG),
Competențe și aptitudini de utilizare a calculatorului	Internet, servicii software etc. (MS Office, Adobe Photoshop, Corell), baze date
Informații suplimentare	Autor a peste 220 articole si comunicari, H 13; Director de proiect (dintre care unul POSCCE, Proiect 433/21.12.2012) si membru in echipa de implementare a peste 25 proiecte castigate prin competitie. Trainer curs FEBS- Inginerie genica- organizator Inst. de Biochimie- Bucuresti Coordonare lucrari de doctorat, licenta/dizertatie, membru comisii doctorat /abilitare Membru in Consiliul National de Cercetare Inovare (2012) Expert POSDRU 59497/2010-2013 (Training for implementing high technology in immune laboratory) Membru in panelul de experți domeniul Sanatate (coordonator Acad. Victor Voicu) pentru Strategia Academiei Romane de dezvoltare a Romaniei in urmatorii 20 de ani – coordonator Acad.Valentin Ionel Vlad Evaluator la competitii nationale organizate de ANCS, CNCIS, CNMP, UEFISCDI, Evaluator la competitii internationale (EuroNanoMed)
Premii	Premiul de Excelenta Medica Academica, Editia a IXa, 2020 pentru cercetare fundamentala Premiul Academiei Romane in 1999 (pentru o suita de lucrari privind implicarea virusurilor HPV in cancerul de col uterin) Premiul Fundatiei Cajal 2006 pt lucrarea <i>Metilarea promotorului oncogenei virale E6 a HPV 16 in specimene clinice</i> Premii la competitia UEFISCDI „ <i>Premierea rezultatelor cercetarii</i> ”
Anexe	ANEXA 1 (Lista lucrari reprezentative)

ANEXA 1.

Capitole carte

1. Ilea C, Stoian I, **Anton G**, Botezatu A, Socolov D, *Implicatiile psihosociale ale screeningului pentru cancerul de col uterin*. Boala cronica- O perspectiva interdisciplinara, Coord. M Iorga, Ed Polirom, 2020, ISBN 978-973-46-8321-5
2. Mihai S, Codrici E, Popescu ID, Enciu AM, Necula LG, **Anton G**, Pistol-Tanase C. *Inflammation and chronic kidney disease: current approaches and recent advances*. Book Chronic Kidney Disease edited by T Rath, Editura InTech/Croatia. 2017, DOI: 10.5772/intechopen.72716, Print ISBN: 978-953-51-3843-3
3. Bleotu C, Matei L, Dragu LD, Diaconu CC, **Anton G**, Chapter 15: *Methods for Plant Genetic Modification*, Handbook of food and bioengineering, Volume 6: Genetically Engineered Foods, Publisher: Elsevier Science Publishing Co Inc, ISBN: 9780128115190
4. Pleșa A, Iancu IV, Botezatu A, Huică I, Stoian M, **Anton G**. *The involvement of epigenetic mechanisms in HPV induced cervical cancer*. Book: Human Papillomavirus. Editura InTech/Croatia. 2016, p 191-241. ISBN 978-953-51-239-9
5. Botezatu A, Iancu IV, Popa O, Plesa A, Manda D, Huica I, Vladoiu S, **Anton G**, Badiu C. *Mechanisms of Oncogene Activation*, published in New Aspects in Molecular and Cellular Mechanisms of Human Carcinogenesis, , Ed InTech 2016, book edited by Dmitry Bulgin, ISBN 978-953-51-2253-1
6. Bleotu C, Socolov D, Anton M, Botezatu A, Plesa A, Iancu IV, Brasoveanu LI, **Anton G**, Diaconu CC, *Interplay of Epigenetics with Gynecological Cancer*, published in Gynecologic Cancers - Basic Sciences, Clinical and Therapeutic Perspectives, Ed InTech 2016, book edited by Samir A. Farghaly, ISBN 978-953-51-2254-8,
7. **Anton G**, Plesa A, Bleotu C, Botezatu A, Stoian M, Anton M, Brasoveanu LI, *Human Papillomaviruses Oncoproteins*, published in Oncogene and Cancer - From Bench to Clinic, Ed. InTech 2013, ISBN 978-953-51-0858-0
8. D Socolov, Bleotu, N Miron, RSocolov, L Boiculiese, M Mareș, N Sorici, V Moshin, A Botezatu, **G Anton**, *Correlation Between Chlamydia trachomatis IgG and 9*
8. Bleotu C, **Anton G**, *The Indicators of Predicting Disease Outcome in HPV Carcinogenesis* published in book **Cervical Cancer** Ed. InTech 2012, ISBN 979-953-307-054-3
10. **Anton G**, Plesa A, Achim R, Repanovici R (2003) cap.I, vol. II in *Metode de analiza a genomului in "Genomica -un tratat despre genom, de la virusuri la om"* (sub redactia Prof. Dr. Lucian Gavrilă), Ed. Enciclopedica (ISBN 973-45-0463-0 si ISBN 973-45-0465-7)

Carti

- sub redactia Anton G** (Anton G, Anton AC, Bleotu C, Botezatu A, Huica I, Iancu IV, Melinte A, Goia-Rusanu C, Plesa A, Socolov D, Socolov R, Teleman S, Ungureanu C), *HPV Infection. Diagnostic and therapeutic guide*, Ed. Universitară Carol Davila (2010) (ISBN 978-973-708-489-9).
- Anton G**, Repanovici R (2003) - *Tehnologia clonarii genelor*, Ed. Academiei (ISBN 973-27-0989-8), 208 pagini.
- Anton G**, Szedlacsek S, Plesa A, Szedlacsek D, Repanovici R, - *Biologie moleculara, mic dictionar ilustrat*- Ed. Enciclopedica (, 2005, ISBN 973-45-0512-2), 144 pg

Lucrari in jurnale indexate ISI (selectie)

- Gurban P, Mambet C, Botezatu A, Necula LG, Matei L, Neagu AI, Pitica I, Ataman M, Tatic A, Bardas A, Gaman MA, Dobrea C, Dragomir M, Ghimici C, Angelescu S, Barbu D, Stanca O, Danila M, Berbec N, Colita A, Vladareanu AM, Nedeianu S, Chivu-Economescu M, Bleotu C, Coriu D, Sepulchre E, **Anton G**, Diaconu CC, Constantinescu SN, Dominance of mutations in epigenetic regulators and a diversity of signaling alterations in blast-phase BCR::ABL1-negative myeloproliferative neoplasms, *Am J Hematol*. 2025;100(1):168-171. doi: 10.1002/ajh.27503
- Hotoboc IE, Fudulu A, Huica I, Iancu IV, Grigore R, Bertesteanu ȘVG, Bleotu C, **Anton G**, Botezatu A. The Association between DNA Methylation Status and Epstein-Barr Virus Infection in Laryngeal Carcinomas. *Rom J Intern Med*. 2025 Mar 21;63(2):152-162. doi: 10.2478/rjim-2025-0005
- Fudulu A, Diaconu CC, Iancu IV, Plesa A, Albulescu A, Bostan M, Socolov DG, Stoian IL, 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 (Basel)*. 2024; 15(5):560. doi: 10.3390/genes15050560
- Gurban P, Mambet C, Botezatu A, Necula LG, Matei L, Neagu AI, Pitica IM, Dragu LD, Nastasie Schulman A, Ataman M, Nedeianu S, Chivu-Economescu M, Bleotu C, **Anton G**, Diaconu CC. Increased mRNA expression for serotonin receptor 1B (HTR1B) is associated with thrombosis in BCR::ABL1-negative myeloproliferative neoplasms. *J Cell Mol Med*. 2024. doi: 10.1111/jcmm.70024
- Gurban P, Mambet C, Botezatu A, Necula LG, Neagu A, Matei L, Pitica IM, Nedeianu S, Chivu-Economescu M, Bleotu C, Ataman M, Mocanu G, Saguna C, Pavel, AG, Stambouli D, Sepulchre E, **Anton G**, Diaconu CC, Constantinescu SN, *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*, 2023, 13, DOI 10.3389/fonc.2023.1266996
- Pavel AG, Stambouli D, **Anton G**, Gener I, Preda A, Baston C, Gingu C, *Cumulative Effect Assessment of Common Genetic Variants on Prostate Cancer: Preliminary Studies*, *BIOMEDICINES*, 2022, 10, DOI 10.3390/biomedicines10112733
- Pavel AG, Stambouli D, Gener I, Preda A, **Anton G**, Baston C, *Genetic variant located on chromosome 17p12 contributes to prostate cancer onset and biochemical recurrence*, *Scientific Rep*, 2022, 12(1), Article no 4546, DOI: 10.1038/s41598-022-08472-x
- Albulescu A, Plesa A, Fudulu A, Iancu IV, **Anton G**, Botezatu A, *Epigenetic approaches for cervical neoplasia screening*, *Exp Ther Med*, 2021, DOI: 10.3892/etm.2021.10916
- Hotoboc, I E, Fudulu A, Grigore R, Bertesteanu S, Huica I, Iancu IV, Botezatu A, Bleotu, **Anton G**, *The association between lncRNA H19 and EZH2 expression in patients with EBV-positive laryngeal carcinoma*, *ACTA OTORHINOLARYNGOLOGICA ITALICA*, 2022, DOI: 0.14639/0392-100X-N1527
- Amfim A, Botezatu A, **Anton G**, Burlibasa L, Zarnescu O, Albu C, Matei M, Tanase A, Radu LG, Alexandrescu L, Cucu N, *Canine model for the study of the epigenetic factors involved in mammary tumor development*, *BRIAC*, 2021, 1, 7543-7557, doi.org/10.33263/BRIAC111.75437557 (ISI)
- Ungureanu C, Socolov DG, **Anton G**, Moroseanu E, Trandafir LM, Lozaneanu L, Trandafirescu MF, Cojocar E, *Role of ProExC immunocytochemistry in cervical high grade intraepithelial lesions detection*, *Rom J Morphol Embriol*, 2021, 62 (4), 1029-1034, DOI: 10.47162/RJME.62.4.15
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- Marcu A, Colta A, Radu LE, Jercan CG, Bica AM, Asan M, Coriu D, Tanase AD, 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*, Article Number: 484, 2020, DOI: 10.3389/fonc.2020.00484
- Mihai S, Codrici E, Popescu I, Enciu AM, Rusu E, Zilisteanu D, Necula LG, **Anton G**, Tanase C, *Inflammation-Related Patterns in the Clinical Staging and Severity Assessment of Chronic Kidney Disease*, *DISEASE MARKERS*, 2019, Article Number: 1814304, DOI: 10.1155/2019/1814304
- Plesa A, Socolov D, Huica I, Botezatu A, Iancu IV, Ungureanu C, Teleman S, Albulescu A, Fudulu A, **Anton G**, *High-risk human papillomaviruses distribution in Romanian women with negative cytology*, *JIDC*, 2019, 13, 326-333
- Botezatu A, Iancu IV, Plesa A, Manda D, Popa O, Bostan M, Mihaila M, Albulescu A, Fudulu A, Vladoiu SV, Huica I, Dobrescu R, **Anton G**, Badiu C, *Methylation of tumour suppressor genes associated with thyroid cancer*. *Cancer Biomark*. 2019, 25(1):53-65. doi: 10.3233/CBM-182265

Huica I, Iancu IV, Botezatu A, Plesa A, Socolov D, Teleman S, **Anton G**, *Factors associated with persistence of HPV genital infection in a small cohort of Romanian women*. ACTA CLINICA CROATICA, 2019, 58, 410-416, DOI: 10.20471/acc.2019.58.03.02

Pavel AG, Stambouli D, Gingu C, Preda A, Gener I, Baston C, **Anton G**, *Influences of angiotensin I-converting enzyme gene insertion/deletion polymorphism on prostate cancer risk in Romania*, Romanian Biotechnological Letters, 2019, 24, 1043-1049, DOI: 10.25083/rbl/24.6/1043.1049

Bleotu C, Socolov D, Stanculescu R, Socolov R, Anton M, **Anton G**, *Methods of investigation of human microbiome in obstetrics and gynecology*, Romanian Biotechnological Letters, 2019, 24 (2), 344-353, DOI: 10.25083/rbl/24.2/344.353

Mihai S, Codrici E, Popescu ID, Enciu AM, Albulescu L, Necula LG, Mambet C, **Anton G**, Tanase C, *Inflammation-Related Mechanisms in Chronic Kidney Disease Prediction, Progression, and Outcome*. J Immunol Res. 2018 Sep 6;2018:2180373. doi: 10.1155/2018/2180373. eCollection 2018

Iancu IV, **Anton G**, Botezatu A, Huica I, Nastase A, Socolov DG, Stanescu AD, Dima SO, Bacalbasa N, Pleșa A. *LINC01101 and LINC00277 expression levels as novel factors in HPV-induced cervical neoplasia*. J Cell Mol Med. 2017. doi: 10.1111/jcmm.13288

Vlădoiu S, Botezatu A, **Anton G**, Manda D, Păun DL, Oroș S, Roșca R, Dinu Drăgănescu D. *The Involvement of VDR Promoter Methylation, CDX-2 VDR Polymorphism and Vitamin D Levels in Male Infertility*. Acta Endo (Buc) 2017 13(3): 294-301 doi: 10.4183/aeb.2017.294

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Mihai S, Codrici E, Popescu ID, Enciu AM, Rusu E, Zilisteanu D, Albulescu R, **Anton G**, Tanase C. *Proteomic Biomarkers Panel: New Insights in Chronic Kidney Disease*. Dis Markers.; 2016, doi: 10.1155/2016/3185232

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*. J Med Virol. 2016 doi: 10.1002/jmv.24586

Vladoiu S, Dinu Drăgănescu D, Botezatu A, **Anton G**, Oros S, Paun DL, Ianas O, Rosca R, Badiu C *Correlations between Polymorphisms of Estrogen 1, Vitamin D Receptors and Hormonal Profile in Infertile Men*, Acta Endo (Buc) 2016 12: 137-144 doi: 10.4183/aeb.2016.137

Bostan M, Mihaila M, Hotnog C, Bleotu C, **Anton G**, Roman V, Brasoveanu LI, *Modulation of Apoptosis in Colon Cancer Cells by Bioactive Compounds*, COLORECTAL CANCER - FROM PATHOGENESIS TO TREATMENT, Chapter book 2016, 51-87, DOI 10.5772/63382,

Botezatu A, Puiu M, Cucu N, Diaconu CC, Badiu C, Arsene C, Iancu IV, Plesa A, **Anton G**. *Comparative molecular approaches in Prader-Willi syndrome diagnosis*, Gene. 2016; 575 :353-8. doi: 10.1016/j.gene.2015.08.058.

Botezatu A, Bleotu C, Nastase A, **Anton G**, Bacalbasa N, Duda D, Dima SO, Popescu I. *Epigenetic Silencing of GNMT Gene in Pancreatic Adenocarcinoma*, Cancer Genomics Proteomics. 2015, 12 (1), 21-30

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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. 2014, 159 (12), 3305-3320

Botezatu A, Socolov R, Socolov D, Iancu IV, **Anton G**, *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

Botezatu A, Socolov D, Iancu IV, Huica I, Plesa A, Ungureanu C, **Anton G**. *Methylene tetrahydrofolate reductase (MTHFR) polymorphisms and promoter methylation in cervical oncogenic lesions and cancer*, J Cell Mol Med. 2013, doi: 10.1111/jcmm.12032

Bleotu C, Chifiriuc MC, Grigore R, Grancea C, Popescu CR, **Anton G**, Cernescu C, *Investigation of Th1/Th2 cytokine profiles in patients with laryngo-pharyngeal, HPV-positive cancers*. Eur Arch Otorhinolaryngol. 2013, 711-8. doi: 10.1007/s00405-012-2067-7

Miron ND, Socolov D, Mares M, **Anton G**, Nastasa V, Morris RF, Virág K, Anghelache-Lupașcu I, Deák J, *Bacteriological agents which play a role in the development of infertility*, Acta Microbiol Immunol Hung. 2013 ;60(1):41-53. doi: 10.1556/AMicr.60.2013.1.5.

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Plesa A, **Anton G**, Diaconu C., Achim R, Repanovici R, Cernescu C, - *Cloning and expression of the L1 major capsid protein of HPV 18 in murine cells* - Int. J. Molec. Med. 2003, 12, 1021-1026,