



**Curriculum vitae
Europass**

Informații personale

Nume / Prenume

Anton/Gabriela

Adresă(e)

Bucuresti,

Telefon(oane)

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Naționalitate(-tăți)

Romana

Data nașterii

09.06.1955

Sex

F

Domeniul ocupațional

Cercetare stiintifica -medicina

Pozitia actuala

Conducator doctorat domeniul medicina- Academia Romana

Experiența profesională

2005-2021 Cercetator stiintific gr I; 2000-2005 Cercetator stiintific gr II, 1997-2000, 1997-2000 - Cercetator stiintific gr III, Institutul de 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)
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

Nivel european (*)

Limba engleza

Limba franceza

Înțelegere		Vorbire		Scriere
Ascultare	Citire	Participare la conversație	Discurs oral	Exprimare scrisă
C2	C2	C2	C2	C2
C1	B2	B1	B1	B2

Competențe și aptitudini organizatorice	organizare departamentala- Dept Virusologie Moleculara coordonator teze 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 – din 2008 (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, InAdobe Photoshop, Corell), baze date
Informații suplimentare	Autor a peste 220 articole si comunicari, H 11; director de proiect si membru in echipa a peste 25 proiecte castigate prin competitie. Premiul Academiei Romane in 1999 (pentru o suita de lucrari privind implicarea virusurilor papilom etiologia cancerului de col uterin). Premiul Eberle (Fundatia Cajal), 2008 pentru markeri ai reglarii epigenetice Trainer curs FEBS- Inginerie genica- organizator Inst. de Biochimie- Bucuresti Coordonarea unor lucrari de licenta/dizertatie, membru comisii doctorat (2000 – prezent), Membru in Consiliul National de Cercetare Inovare (2012) Expert POSDRU 59497/2010-2013 (Training for implementing high technology in immunology laboratory) Membru in panelul de experti domeniul Sanatate (coordonator Acad. Victor Voicu) pentru realizare Strategiei Academiei Romane de dezvoltare a Romaniei in urmatoorii 20 de ani – coordonator Acad. Valentin Ionel Vlad Evaluator ANCS, CNCSIS, CNMP, UEFISCDI, aplicatii europene (EuroNanoMed)

**Anexe ANEXA 1 (Lista lucrari reprezentative)
ANEXA 2 (lista proiecte)**

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, Pleșa A, Manda D, Huică 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, Pleșa 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, ISBN 978-953-51-2254-8,
7. **Anton G**, Pleșa 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 Boiculese, 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**, Pleșa 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, Huică I, Iancu IV, Melinte A, Goia-Rusanu C, Pleșa 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 clonării genelor*, Ed.Academiei (ISBN 973-27-0989-8), 208 pagini.
- Anton G**, Szedlaczek S, Pleșa A, Szedlaczek D, Repanovici R, - *Biologie moleculara, mic dictionar ilustrat*. Ed. Enciclopedica (, 2005, ISBN 973-45-0512-2), 144 pg

Lucrari in jurnale indexate ISI

- 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)
- Botezatu A, Iancu IV, Pleșa A, Huică I, Fudulu A, Albulescu A, **Anton G**, *Molecular and Serological Prospects for SARS-CoV2 Epidemiology*. Pharmacophore 2020;11(6):122-31
- Iancu IV, Botezatu A, Pleșa A, Huică I, Fudulu A, Albulescu A, Bostan M, Mihaila M, Grancea C, Manda DA, Dobrescu R, Vladoiu SV, **Anton G**, Badiu CV, *Alterations of regulatory factors and DNA methylation pattern in thyroid cancer*, CANCER BIOMARKERS, 2020, 28, 255-268, DOI: 10.3233/CBM-190871
- 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
- Pleșa A, Socolov D, Huică 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, Pleșa A, Manda D, Popa O, Bostan M, Mihaila M, Albulescu A, Fudulu A, Vladoiu SV, Huică 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
- Huică I, Iancu IV, Botezatu A, Pleșa 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, Huică 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
- Vlădoi 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
- Bleotu C, Socolov D, Stanculescu R, Socolov R, **Anton G**, *Methods of investigation of human microbiome in obstetrics and gynecology*, Rom Biotech Lett, DOI: 10.26327/RBL2017.14
- 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
- Vlădoi S, Dinu Drăgănescu D, Botezatu A, **Anton G**, Oroș 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
- Botezatu A, Puiu M, Cucu N, Diaconu CC, Badiu C, Arsene C, Iancu IV, Pleșa 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
- Iancu IV, Botezatu A, Pleșa A, Huică I, Socolov D, **Anton G**, *Histone lysine demethylases as epigenetic modifiers in HPV-induced cervical neoplasia*, Romanian Biotechnological Letters, 2015, 20 (2), 10236-10237
- Comanescu C, Bleotu C, Huică I, Radulescu M, Grancea C, **Anton G**, *Non-invasive method for the evaluation of IL-6 and IL-10 levels in patients with chronic*

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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

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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, 2012, 17(6), 7846-7852

Anton G, Peltecu G, Socolov D, Cornitescu F, Bleotu C, Sgarbura Z, Teleman S, Iliescu D, Botezatu A, Goia CD, Huica I, Anton AC, *Type-specific human papillomavirus detection in cervical smears in Romania,* APMIS 2011, 3, ISSN 0903-4641

Botezatu A, Goia-Rusanu CD, Iancu IV, 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; 2011, 4, 121-128, Doi: 10.3892/mmr.2010.39

Mares M., Nastasa V., Anton G., Bleotu C., Miron N., Socolov D. - *High prevalence of fluoroquinolones resistance in Ureaplasma and Mycoplasma strains isolated from infertile women under initial evaluation in north-east Romania - Romanian Biotechnological Letters,* 2011, 16, 5858-5862

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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, 2010, 15, 4922-4930,

Botezatu A, Goia-Ruşanu CD, Stănescu AD, Iancu IV, Popa E, Nistor E, Huică I, Anton G, Pleşa A, *Nivelele de expresie a genelor WWP1, TGFβ și KLF5 noi posibili factori implicați în oncogeneza cervical,* Revista Romana de Medicina de Laborator, Revista Română de Medicină de Laborator 2011, 19, 47-54

Huică I, Botezatu A, Iancu IV, Lupeanu E, Anton M, Goia Rusanu CD, Anton G. *Genetic and epigenetic aspects in cardio-vascular disease and ageing.* Rom Biotech Lett, 2011, 16, 5488-96,

Goia CD, Iancu IV, Socolov D, Botezatu A, Lazaroiu AM, Huica I, Plesa A, Anton G, *The expression of cell cycle regulators in HPV-induced cervical carcinogenesis,* Rom Biotech Lett, 2010, 4, 5376-5383,

Ungureanu C, Socolov D, Anton G, Mihailovici MS, Teleman S, *Immunocytochemical expression of p16INK4a and HPV L1 capsid proteins as predictive markers of the cervical lesions progression risk,* Rom J Morphol Embryol. 2010;51(3):497-503.

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Socolov D, Anton G, Anton AC, Anton E, Socolov RV, Teleman S, Melinte A, Boiculescu L, Stoian M *Electrosurgical loop excision/conisation for cervical intraepithelial neoplasia in an algorithm that excludes punch biopsy—a study of 210 cases,* Chirurgia 2009 ;104(3):295-301,

Socolov D, Anton G, Anton E, Teleman S, Anton AC, Caraleanu A, Socolov R, *Distributia genotipurilor virusului papiloma uman la paciente din zona Moldovei,* Gineco.Ro, 2008, 4, 248-252,

Diaconu CC, Bleotu C, Chivu M, Alexiu I, Petrusca D, Anton G, Achim R, Ruta S, Cernescu C— *The development of larger cells that spontaneously escape senescence – a step during the immortalization of a human cancer cell line – J. Cell Mol. Med.* 2004, 8, 93-101

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,

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 laryngeals tumors- J.Cell.Mol.Med,* 2001, 1(5), pp 49-59,

Lista granturi

director proiect

- 1.Modernizarea unui centru pentru studiul oncogenezei si al oncolizei virale ca strategie terapeutica (ONCOIVN), POSCCE, Axa prioritară 2 Operațiunea 2.2.1: Proiect 433/21.12.2012 (2012-2015)
- 2.Mecanisme celulare si moleculare implicate in regresia displaziilor de col uterin,PNI1 41030 (2007-2010)
- 3.Markeri de diagnostic si criterii de management in infectia de col uterin cu HPV, CEEX 119 (2006-2008)
- 4.Profilul de metilare in cancerul de col uterin- marker molecular de diagnostic si prognostic , VIASAN 380 (2004-2006)
- 5.Studii la nivel celular si molecular privind profilul viral in unele cancere genitale la femei. PNCDI -VIASAN 168 (2002-2005)

responsabil proiect

- Abordari metabolice, genetice si epigenetice ale procesului aterosclerotic si riscului cardiovascular la batrani. Implicatii terapeutice. PN II 62053 (2008-2011)
- Corelatii intre aspecte clinice, genetice si epigenetice implicate in etiologia sindroamelor Prader Willi / Angelman; PN II 42113 (2008-2011)
- Promovarea cercetarii in genetica psihiatrica in Romania prin parteneriat international. CEEX 122(2006-2008)
- Studii experimentale pe celule stem mezenchimale transfectate pentru dezvoltarea unor strategii terapeutice inovative in glioblastom. CEEX 176 (2006 – 2008)
- Studiul instabilitatii genetice indusa de factori epigenetici in morfogeneza tumorilor mamar: implicatii pentru diagnostic si tratament. CEEX 119 (2006-2008)
- Integrarea tehnicilor de biologie moleculara si a testelor genetice in diagnosticul splenomegaliiilor-. CEEX 96 (2006-2008)

membru in echipa proiectului

- Stabilirea Profilului Molecular al Neoplasmelor Mieloproliferative și al Leucemiei Acute Mieloidice pentru Designul unor Strategii de Diagnostic Precoce, Prognostic și Tratament, *Cod My SMS: P_37_798/106774, Contract: 149/26.10.2016*
- Transferul cunoașterii privind investigarea proprietăților antiinfecțioase și antitumorale ale unor noi formulări cosmetice și farmaceutice pe bază de extracte naturale, PN-III-P2-2.1-BG-2016-0369