



Curriculum vitae Europass

Informații personale

Nume / Prenume

Anton/Gabriela

Adresă(e)

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Naționalitate(-tăți)

Romana

Data nașterii

09.06.1955

Sex

F

Domeniul ocupațional

Cercetare științifică -medicină

Pozitia actuală

Cercetător științific gr I (din 2005),
Sef Departament Virologie Moleculară, Institutul de Virologie "St. S. Nicolau" al Academiei Române.
Conducător doctorat domeniul medicină- Academia Română

Experiența profesională

2000-2005 Cercetător științific gr II, Institutul de Virologie "St. S. Nicolau"
2005-2011 Universitatea Politehnică din București, Dept. Bioinginerie și Biotehnologie –
Master (Inginerie genetică și biologie moleculară); - Universitatea Pitești (master biochimie medicală)
1997-2000 - Cercetător științific gr III, Institutul de Virologie "St. S. Nicolau"
1984-1997 - Cercetător științific, Institutul de Virologie "St. S. Nicolau"
1990-1997- doctorand, specialitatea biologie moleculară, Biochimie, Universitatea București

Activități și responsabilități principale

cercetare științifică în domeniile biologie moleculară, virologie, epigenetică;
management proiecte cercetare; management activitate de cercetare;
coordonare doctorate
reviewer jurnale științifice
evaluador proiecte naționale și internaționale
activitate didactică;

Educație și formare

Perioada 1990-1997

Calificarea / diploma obținută

Doctorat

Disciplinele principale studiate /
competențe profesionale dobândite

Biologie moleculară/ virologie

Numele și tipul instituției de învățământ /
furnizorului de formare

Universitatea București/Facultatea Biologie/ Secția biochimie

Nivelul în clasificarea națională sau
internațională

Doctor în biologie

Perioada 1978

Calificarea / diploma obținută

Licență

Disciplinele principale studiate /
competențe profesionale dobândite

Biochimie

Numele și tipul instituției de învățământ
/ furnizorului de formare

Universitatea București /Facultatea Biologie/ Secția biochimie

Limba(i) maternă(e)

Română

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 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 Scool of Oncology- Epigenetics and New Therapies in Cancer (Medrid-Spania) ; DNA methylation (Bonn- Germania); Curs postuniversitar Multidisciplinary approach in management of PWS (Timisoara); Curs management proiect (atestat Ministerul Muncii si MEN)
Membru al societatiilor 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, Adobe 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 expreti domeniu Sanatate (coordonator Acad. Victor Voicu) pentru realizarea 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)

ANEXA 1.

Capitole carte

1. 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
2. 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
3. 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
4. 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
5. 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,
6. **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
7. D Socolov, Bleotu, N Miron, RSocolov, L Boiculescu, M Mareș, N Sorici, V Moshin, A Botezatu, **G Anton**, *Correlation Between Chlamydia trachomatis IgG and Pelvic Adherence Syndrome*, published in Chlamydia, Ed. InTech, 2012, ISBN 978-953-308-64-8,
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
9. **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 Gavrila), 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, Telesman 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, Szedlacsek S, Plesa A, Szedlacsek D, Repanovici R, - *Biologie moleculara, mic dictionar ilustrat* - Ed. Enciclopedica (, 2005, ISBN 973-45-0512-2), 144 pg

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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, Telesman 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, Telesman 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
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- 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
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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
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- Comanescu C, Bleotu C, Huica I, Radulescu M, Grancea C, **Anton G**, *Non-invasive method for the evaluation of IL-6 and IL-10 levels in patients with chronic hepatitis C*, Romanian Biotechnological Letters, 2015, 20 (6), 10921- 10927
- 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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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

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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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Rosca A, **Anton G**, Ene L, Iancu I, Temereanca A, Achim CL, Ruta AM, *Immunoassay and molecular methods to investigate DNA methylation changes in peripheral blood mononuclear cells in HIV infected patients*, J Immunoassay and Immunochem. 2017, 38(3):299-307. doi: 10.1080/15321819.2016.1260587

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- ¶ Goia CD, Iancu IV, Huica I, Botezatu A, Socolov D, Teleman S, Dragodan AV, Antipa C, **Anton Gabriela**, *Epstein -Barr virus and Chlamidia Trachomatis as cofactors in cervical carcinogenesis*, Proc Rom Acad, 2009, 1, 9-14,
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ANEXA 2

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,PNII 41030 (2007-2010)
- 3.Markeri de diagnostic si criterii de management in infectia de col uterin cu HPV, CEEEX 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 metabolomice, 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. CEEEX 122(2006-2008)
- Studii experimentale pe celule stem mezenchimale transfectate pentru dezvoltarea unor strategii terapeutice inovative in glioblastom. CEEEX 176 (2006 – 2008)
- Studiul instabilitatii genetice indusa de factori epigenetici in morfogeneza tumorilor mamar: implicatii pentru diagnostic si tratament. CEEEX 119 (2006-2008)
- Integrarea tehnicilor de biologie moleculara si a testelor genetice in diagnosticul splenomegaliilor-. CEEEX 96 (2006-2008)

membru in echipa proiectului

- Stabilirea Profilului Molecular al Neoplasmelor Mieloproliferative și al Leucemiei Acute Mieloide pentru Designul unor Strategii de Diagnostic Precoce, Prognostic și Tratament, *Cod My SMIS: 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