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Curriculum vitae Europass

Informaţii personale

Nume / Prenume	Braicu Cornelia
Telefon(oane)	
Fax(uri)	
E-mail(uri)	
Naţionalitate(-tăţi)	Romana
Data naşterii	
Sex	Feminin

Experienţa profesională

Perioada	**01.20.2017-prezent**
Activităţi şi responsabilităţi principale	Responsabil cu asigurarea calității în cadrul laboratorului Studii de cercetare/asimilare/optimizare/validare a metodelor genetice și genomice aplicate în diagnosticul molecular al bolilor de interes major Cercetare traslațională, dezvolatare de noi terapii țintite, folosind tehnologii de nouă generație si integrare de date de tip bigdata, in diagnosticul si tratamentul personalizat. Consiliere de specialitate pe domeniile de competență Instruiri/ cursuri de formare / traininguri pentru doctoranzi, post doctoranzi în domeniile științele vieții
Funcţia sau postul ocupat	**CSII,** Centrul de Cercetări pentru Genomică Funcţională, Biomedicină şi Medicină Translaţională al Universităţii de Medicină şi Farmacie IULIU HATIEGANU, Cluj-Napoca
Perioada	**01.03.2013-30.09.2014**
Activităţi şi responsabilităţi principale	Caracterizarea moleculară – terapii tintite Consiliere de specialitate pe domeniile de competență Instruiri/ cursuri de formare/traininguri pentru doctoranzi, post doctoranzi în domeniile științele vieții
Funcţia sau postul ocupat	**Inginer Biochimist,** Centrul de Cercetări pentru Genomică Funcţională, Biomedicină şi Medicină Translaţională al Universităţii de Medicină şi Farmacie IULIU HATIEGANU, Cluj-Napoca
Perioada	**01.10.2010-01.03.2013**
Activităţi şi responsabilităţi principale	Studii de biologie celulara moleculară: analiza nivelului de exprimare a genelor si proteinelor implicate in apoptoza si angiogeneza. ARN interferenţa
Funcţia sau postul ocupat	**Post-doctorand,** Centrul de Cercetări pentru Genomică Funcţională, Biomedicină şi Medicină Translaţională al Universităţii de Medicină şi Farmacie IULIU HATIEGANU, Cluj-Napoca

Educaţie şi formare

Perioada 01.10.2004-30.09.2008	Menţionaţi separat fiecare forma de învăţământ şi program de formare profesională absolvite, începând cu cel mai recent. (post-unuversitare, universitare, liceale)
Calificarea / diploma obţinută	**Doctorat - specializarea Biotehnologii** (MEC nr. 5837 din 04.11.2008),
Numele şi tipul instituţiei de învăţământ / furnizorului de formare	Universitatea de Ştiinţe Agricole şi Medicină Veterinară, Cluj-Napoca
Nivelul în clasificarea naţională sau internaţională	post-universitare, PhD

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Perioada **1.10.2005-1.02.2007**	Menţionaţi separat fiecare forma de învăţământ şi program de formare profesională absolvite, începând cu cel mai recent. (post-unuversitare, universitare, liceale)
Calificarea / diploma obţinută	**Masterat in Biotehnologii Aplicate in Industria Alimentara,**
Numele şi tipul instituţiei de învăţământ / furnizorului de formare	Universitatea de Ştiinţe Agricole şi Medicină Veterinară, Cluj-Napoca
Nivelul în clasificarea naţională sau internaţională	post-universitare
Perioada **01.09.1999-01.06.2004**	Menţionaţi separat fiecare forma de învăţământ şi program de formare profesională absolvite, începând cu cel mai recent. (post-unuversitare, universitare, liceale)
Calificarea / diploma obţinută	**Diploma de Inginer Chimist, Specializarea Inginerie Biochimica**
Numele şi tipul instituţiei de învăţământ / furnizorului de formare	Universitatea "Babeş-Bolyai" Cluj, Facultatea de Chimie si Inginerie Chimica
Nivelul în clasificarea naţională sau internaţională	Universitare
Limba(i) străină(e) cunoscută(e)	**Engleza, Franceza- foarte bine**
Competenţe şi abilităţi sociale	spirit de echipa, comunicare.
Informaţii suplimentare	Includeţi aici orice alte informaţii utile, care nu au fost menţionate anterior, de exemplu: persoane de contact, referinţe etc. (Rubrică facultativă, vezi instrucţiunile)
Anexe	**Anexa 1. Lucrări publicate** **Anexa 2. Specializări şi calificări** **Anexa 3. Experienţa acumulată (inclusiv managerială) în alte programe/proiecte naţionale/internaţionale: - experienta manageriala**

Anexa 1. Lucrări publicate

Dudea-Simon M, Mihu D, Irimie A, Cojocneanu R, Korban SS, Oprean R, **Braicu C**, Berindan-Neagoe I. Identification of Core Genes Involved in the Progression of Cervical Cancer Using an Integrative mRNA Analysis. Int J Mol Sci. 2020 Oct 3;21(19):E7323. doi: 10.3390/ijms21197323.

Ciocan-Cârtiţă CA, Jurj A, Raduly L, Cojocneanu R, Moldovan A, Pileczki V, Pop LA, Budişan L, **Braicu C**, Korban SS, Berindan-Neagoe I. New perspectives in triple-negative breast cancer therapy based on treatments with TGFβ1 siRNA and doxorubicin. Mol Cell Biochem. 2020 Sep 4. doi: 10.1007/s11010-020-03881-w.

Jurj A, Pop LA, Zanoaga O, Ciocan-Cârtiţă CA, Cojocneanu R, Moldovan C, Raduly L, Pop-Bica C, Trif M, Irimie A, Berindan-Neagoe I, **Braicu C.** New Insights in Gene Expression Alteration as Effect of Paclitaxel Drug Resistance in Triple Negative Breast Cancer Cells. Cell Physiol Biochem. 2020 Jul 4;54(4):648-664. doi: 10.33594/000000246.

Braicu C, Zanoaga O, Zimta AA, Tigu AB, Kilpatrick KL, Bishayee A, Nabavi SM, Berindan-Neagoe I. Natural compounds modulate the crosstalk between apoptosis- and autophagy-regulated signaling pathways: Controlling the uncontrolled expansion of tumor cells. Semin Cancer Biol. 2020 Jun 2:S1044-579X(20)30111-5. doi: 10.1016/j.semcancer.2020.05.015. Online ahead of print.PMID: 32502598 Review.

Zimta AA, Tigu AB, **Braicu C**, Stefan C, Ionescu C, Berindan-Neagoe I. An Emerging Class of Long Non-coding RNA With Oncogenic Role Arises From the snoRNA Host Genes. Front Oncol. 2020 Apr 7;10:389. doi: 10.3389/fonc.2020.00389. eCollection 2020.

Cojocneanu R, **Braicu C**, Raduly L, Jurj A, Zanoaga O, Magdo L, Irimie A, Muresan MS, Ionescu C, Grigorescu M, Berindan-Neagoe I. Plasma and Tissue Specific miRNA Expression Pattern and Functional Analysis Associated to Colorectal Cancer Patients. Cancers (Basel). 2020 Mar 31;12(4):843. doi: 10.3390/cancers1204084

Drula R, **Braicu C**, Harangus A, Nabavi SM, Trif M, Slaby O, Ionescu C, Irimie A, Berindan-Neagoe I. Critical function of circular RNAs in lung cancer. Wiley Interdiscip Rev RNA. 2020 Sep;11(5):e1592. doi: 10.1002/wrna.1592. Epub 2020 Mar 16.

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Jurj A, Zanoaga O, **Braicu C**, Lazar V, Tomuleasa C, Irimie A, Berindan-Neagoe I. A Comprehensive Picture of Extracellular Vesicles and Their Contents. Molecular Transfer to Cancer Cells. Cancers (Basel). 2020 Jan 27;12(2):298. doi: 10.3390/cancers12020298.PMID: 32012717

Irimie-Aghiorghiesei AI, Pop-Bica C, Pintea S, **Braicu C**, Cojocneanu R, Zimţa AA, Gulei D, Slabý O, Berindan-Neagoe I. Prognostic Value of MiR-21: An Updated Meta-Analysis in Head and Neck Squamous Cell Carcinoma (HNSCC). J Clin Med. 2019 Nov 21;8(12):2041. doi: 10.3390/jcm8122041.

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Jurj A, Braicu C, Pop LA, Tomuleasa C, Gherman CD, Berindan-Neagoe I. The new era of nanotechnology, an alternative to change cancer treatment. Drug Des Devel Ther. 2017 Sep 27;11:2871-2890. doi: 10.2147/DDDT.S142337

Braicu OL, Budisan L, Buiga R, Jurj A, Achimas-Cadariu P, Pop LA, **Braicu C,** Irimie A, Berindan-Neagoe I. miRNA expression profiling in formalin-fixed paraffin-embedded endometriosis and ovarian cancer samples. Onco Targets Ther. 2017 Aug 28;10:4225-4238. doi: 10.2147/OTT.S137107. eCollection 2017.

Irimie AI, Sonea L, Jurj A, Mehterov N, Zimta AA, Budisan L, Braicu C, Berindan-Neagoe I. Future trends and emerging issues for nanodelivery systems in oral and oropharyngeal cancer. Int J Nanomedicine. 2017 Jun 26;12:4593-4606. doi: 10.2147/IJN.S133219. eCollection 2017.

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Braicu C, Chiorean R, Irimie A, Chira S, Tomuleasa C, Neagoe E, Paradiso A, Achimas-Cadariu P, Lazar V, Berindan-Neagoe I. Novel insight into triple-negative breast cancers, the emerging role of angiogenesis, and antiangiogenic therapy. Expert Rev Mol Med. 2016 Nov 7;18:e18. Review.

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Anexa 2. Specializări şi calificări:

Tara	Period of time and field:
Franta (Paris)	22 August – 2 Septembrie, 2005: **Socrates Intensive Program**, ***Food and Health*** organized by Institute National Agronomique Paris-Grignon, Gent University, Faculty of Bioscience Engineering, The Graduate School VLAG, Wageningen,
Polonia (Varsovia)	28 Mai – 9 iunie 2006: **Socrates Intensive Program**, ***Food and Health*** organized by Warsaw Agricultural University, Gent University, Faculty of Bioscience Engineering, The Graduate School VLAG, Wageningen
Romania (Cluj-Napoca)	2-12 iulie 2006: **International summer school: Functional Genomics in Biology and therapy of cancer**
Romania (Cluj-Napoca)	28-31 may 2007: International Conference : **Functional Genomics in Cancer Biology and Therapy**
Finlanda (Helsinki)	9-12 Februarie 2007: **Transcription: from molecular mechanism to diseases**, HBGS Student Council Symposium, Biomedicum Helsinki

Anexa 3. Experienţa acumulată (inclusiv managerială) în alte programe/proiecte naţionale/internaţionale:

-experienta manageriala:

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Programul/Proiectul	Funcţia	Perioada
CNCSIS- TD233/2007- Evaluarea *in vitro* a actiunii citotoxice si/sau genotoxice a unor produse fitofarmaceutice	Director proiect	2007-2008
CNCSIS PD533/2010- COMBINAREA EFECTULUI CHIMIOTERAPEUTIC AL FLAVAN-3-OLILOR CU TERAPIA ŢINTITĂ CU ARN DE INTERFERENŢĂ IN TRATAMENTUL CANCERULUI	Director proiect	2010-2013
CNMP (PNCDI II) Impactul co-contaminarii furajelor si solutiilor de ameliorare care sa cresca securitarea furajelor, sanatatea animalelor si calitatea alimentelor (PIGcontrol)	Responsabil proiect	2012-2015
CNMP (PNCDI II) Modularea efectelor pro/anticarcinogenice ale agentilor chimici de mediu in terapia multitintita in cancerul de san (CANCERTER-p53)	Director proiect	2013-2016
PN3-P3-257/30/09/2016-Use of new nanogold materials as delivery systems for modulation of MCL-1/p53 and RNA in ALL-NanoLAL	Director proiect	2014-2017
PN-II-RU-TE-2014-4-1464, nr 307 din 01/10/2015: Tintirea caii de semnalizare TGFβ:o alternativa in terapia cancerului de san	Director proiect	2015-2017
PN-III-P1-1.1-TE-2016-2213 cu titlul "Tintirea mecanismelor implicate în rezistența la terapie în cancerul de san ultilizand terapia combinată cu molecule mici și siRNA, în era post genomică	Director proiect	2017-2020

-membru in colectivul de cercetare

Programul/Proiectul	Funcţia	Perioada
CNMP- PC Identificarea profilelor moleculare transcriptomice in cancerul de col uterin avansat prin studii de genomica functionala. CERVIX-array	Executiv	2008-2010
CNMP (PNCDI II)- Identificarea profilului molecular implicat in detectarea, stadializarea si raspunsul imunologic in cancerul de pancreas. PANGEN	Executiv	2008-2011
CNMP-PC-Terapia genică condiţionată nanotehnologic în hepatocarcinom. NANOGEN	Executiv	2008-2010
POSCCE 709/2010 „Impactul clinic si economic al identificarii profilelor moleculare transcriptomice si proteomice in terapia neoadjuvanta a cancerului de san triplu negativ"-BREASTIMPACT	Executiv	2010-2013
CNMP (PNCDI II)"Analiza miARN ca posibili biomarkeri cu valoare de predictie pentru tratamentul cancerului de col uterin, în relaţie cu expunerea la factorii de mediu, arsen, ftalaţi şi cotinina. (Cervicall-arsen-array)"	Executiv	2012-2015
CNMP (PNCDI II) "Sisteme inteligente de predicţie a recurenţei şi progresiei în cancerul superficial de vezică bazate pe inteligenţa artificială şi date microarray: mRNA tumoral şi microRNA plasmatic IntelUro"	Executiv	2012-2015
POSCCE: Impactul clinic și economic al terapiilor personalizate țintite cu anti-microARNuri în reconvertirea rezistenței tumorilor maligne pulmonare- CANTEMIR	Executiv	2016-2020
PN-III-P4-ID-PCE-2016-0795: Abordarea complexa a profilului expozomic in cancerele hormono-dependente de san si prostata si influenta acestuia in genomul tumoral	Executiv	2017-2019

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