

Curriculum Vitae Europass



Personal information

First name(s) / Surname(s) **Liviuta Budisan**

Address(es) Strada Gheorghe Marinescu, Nr.23, Cluj-Napoca, Romania.

Mobile +40766707504

E-mail lbudisan@yahoo.com

Date of birth 24.06.1967

Work experience

Dates October 2017- present.

Occupation or position held **Specialist Chemist**

Main activities and responsibilities Biochemical analyzes for patients.

Name and address of employer Hematology Laboratory, The Oncology Institute Ion-Chiricuta, Cluj-Napoca.

Business sector Health.

Dates October 2014 – present.

Occupation or position held **Principal Chemist**

Main activities and responsibilities Proteomics, Cell culture, Next Generation Sequencing, Comparative Genomic Studies.

Name and address of employer Research Center for Functional Genomics, Biomedicine and Translational Medicine, University of Medicine and Pharmacy Iuliu - Hatieganu, Cluj-Napoca.

Business sector Research.

Dates September 1995 - October 2014.

Occupation or position held **Principal Chemist**

Main activities and responsibilities Biochemical and genetic analyzes in molecular medicine.

Name and address of employer Cluj County Emergency Hospital, Clinicilor Street.

Business sector	Health.
Dates	September 1991-June 1995.
Occupation or position held	Physical-chemistry teacher
Main activities and responsibilities	Teaching courses of chemistry and physics at secondary school.
Name and address of employer	Elementary School Farau and Silea, Alba County; Alimentary Chemistry High School, Cluj-Napoca; Elementary School Nr. 28, Cluj-Napoca; Forest High School, Cluj-Napoca; Elementary School Dabaca, Cluj County. Alba County Inspectorate and Cluj County Inspectorate.
Business sector	Education.
Education and training	
Dates	October 2014 – June 2019.
Title of qualification awarded	PhD, medicine- oncology.
Principal subjects/occupational skills covered	Biotechnology; Clinical trials, data management.
Name and type of organisation providing education and training	University of Medicine and Pharmacy Iuliu – Hatieganu, Cluj - Napoca.
Dates	October 2001 – June 2003.
Title of qualification awarded	Master degree molecular medicine and neurosciences.
Principal subjects/occupational skills covered	Anatomy, cell biology, neuroscience, psychology.
Name and type of organisation providing education and training	University of Medicine and Pharmacy Iuliu – Hatieganu, Cluj – Napoca.
Dates	September 1988 – June 1994.
Title of qualification awarded	Bachelor degree physic – chemistry.
Principal subjects/occupational skills covered	Chemical and physical / professor of chemistry and physics.

Name and type of organisation providing education and training	Babes - Bolyai" University , Faculty of Chemistry and Chemical Engineering, Cluj-Napoca.				
Dates	September 1981 – june 1985.				
Title of qualification awarded	High School.				
Principal subjects/occupational skills covered	Food Chemistry / operator food industry.				
Name and type of organisation providing education and training	Food Chemistry High School, Cluj – Napoca.				
Personal Skills					
Mother tongue(s)	Romanian				
Other languages	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
English	B1	B1	B1	B1	B1
French	A2	A2	A2	A2	A2
Social skills and competences	Communication skills, teamwork, reliability, capacity to assimilate new information.				
Technical skills and competences	<p>Medical Biochemistry - Explorations in Genetics Laboratory where currently working TLC techniques for the diagnosis of genetic diseases caused by amino acid metabolism disorders and urinary and plasma carbohydrates, HPLC for determination of plasma phenylalanine (for PKU).</p> <p>Molecular Genetics - where she works whit molecular genetic techniques and analysis of heteroduplexis and restriction analysis to study mutations in cystic fibrosis of the pancreas. PCR, RT-PCR, cell culture, microarray, proteomics, flowcytometry, next-generation sequencing.</p>				
Computer skills and competences	Computer using - computer course and actually work with computer.				
Artistic skills and competences	Dance, I was a dancer at a popular dance Romanasul of Cluj-Napoca.				
Additional information					
Participation in scientific meetings / congresses / symposia	<p>March 11-12th, 2016: Congress „Insights in Hematology” The Oncology Institute Prof. Dr. Ion Chiricuta, Cluj-Napoca.</p> <p>September 25th, 2015: Cours „Nanopharmacology in leukemia chemotherapy”, The Oncology Institute Prof. Dr. Ion Chiricuta, Cluj-Napoca.</p> <p>June 29-30th, 2015: WinSymposium 2015.</p> <p>May 26th, 2015: Seminars - Pro Analysis Systems „Chromatography and mass spectrometry .</p> <p>May 5th, 2015: Symposium “Biobanks role and approach in future research studies medicine precision”.</p>				
Publications	<p>h-index = 5; IF = 42.314.</p> <p>1. Ticala M, Tirinescu DC, Rusu CC, Moldovan D, Potra AR, Coman AL, Bondor CL, Budisan L, Kacso IM. Pentosidine in chronic hemodialysis patients: relation with arteriovenous fistula morphology and function. Pentosidine in chronic hemodialysis patients relation with arteriovenous</p>				

[fistula morphology and function. - PubMed - NCBI.html](#) International Urology and Nephrology, Volume: 51 Issue: 6 Pages: 1035-1042 Published: JUN 2019, IF 1.596

2. Tripon RE, **Budisan L**, Berindan-Neagoe I, Stanca L, Pop T, Cristea V, Lupse M. [Systemic interleukins levels in community-acquired pneumonia and their association with adverse outcomes](#). Revista Română de Medicină de Laborator. Volume: 27 Issue: 2 Pages: 189-198 Published: APR 2019, IF 0.8

3. **Budisan L**, Gulei D, Jurj A, Braicu C, Zanoaga O, Cojocneanu R, Pop L, Raduly L, Barbat A, Moldovan A, Moldovan C, Tigu AB, Ionescu C *, Atanasov AG, Irimie A, Berindan-Neagoe I*. [Inhibitory effect of CAPE and Kaempferol in colon cancer cell lines - possible implications in new therapeutic strategies](#). International Journal of Molecular Science 2019, 20(5), 1199; <https://doi.org/10.3390/ijms20051199>, Published: MAR 1 2019, IF 4.183

4. Comsa DH, Zdrenghea D, Berindan-Neagoe I, **Budisan L**, Gusetu G, Sitar-Taut AV, Caloian B, Pop D. [Particularities of traditional and novel atherosclerotic risk factors in women with peripheral arterial disease in a Romanian Rehabilitation Hospital](#). Balneo Research Journal, Volume: 9 Issue: 4 Pages: 442-447 Published: DEC 2018.

5. Catana CS, Magdas C, **Budisan L**, Craciun. EC, Tabaran F, Deak G, Magdas VA, Pestean C, Ober C, Berindan-Neagoe I, Cozma V, Cozma-Petruț A, Dumitrascu DL. [The administration of trichuris suis ova extract decreases IL17/IL23 levels in experimental inflammatory Bowel disease](#). Farmacia, Volume: 66 Issue: 6 Pages: 1021-1027 Published: NOV-DEC 2018, IF 1.527

6. Gulei D, Magdo L, Jurj A, Raduly L, Cojocneanu-Petric R, Moldovan A, Moldovan C, Florea A, Pasca S, Pop LA, Moisoiu V, **Budisan L**, Pop-Bica C, Ciocan C, Buiga R, Muresan MS, Stiuțiu R, Ionescu C, Berindan-Neagoe I. [The silent healer: miR-205-5p up-regulation inhibits epithelial to mesenchymal transition in colon cancer cells by indirectly up-regulating E-cadherin expression](#). Cell Death and Disease, 2018 Jan 19;9(2):66. doi: 10.1038/s41419-017-0102-8, IF 5.959

7. 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 and Therapy, 2017 Aug 28;10:4225-4238. doi: 10.2147/OTT.S137107. Collection 2017, IF 3.046

8. 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, IF 4.471

9. **Budisan L**, Gulei D, Zanoaga OM, Irimie AI, Sergiu C, Braicu C, Gherman CD, Berindan-Neagoe I. [Dietary Intervention by Phytochemicals and Their Role in Modulating Coding and Non-Coding Genes in Cancer](#). Int J Mol Sci. 2017 Jun 1;18(6). pii: E1178. doi: 10.3390/ijms18061178, IF 4.183

10. Pileczki V, Pop L, Braicu C, **Budisan L**, Bolba Morar G, Del C Monroig-Bosque P, Sandulescu RV, Berindan-Neagoe I. [Double gene siRNA knockdown of mutant p53 and TNF induces apoptosis in triple-negative breast cancer cells](#). Onco Targets Ther. 2016 Nov 11;9:6921-6933. eCollection 2016, IF 3.046

11. Gherman C, Braicu OL, Zanoaga O, Jurj A, Pileczki V, Maralani M, Drigla F, Braicu C, **Budisan L**, Achimas-Cadariu P, Berindan-Neagoe I. [Caffeic acid phenethyl ester activates pro-apoptotic and epithelial-mesenchymal transition-related genes in ovarian cancer cells A2780 and A2780cis](#). Mol Cell Biochem. 2016 Feb;413(1-2):189-98. doi: 10.1007/s11010-015-2652-3. Epub 2016 Feb 2, IF 2.884

12. V. V. Morariu, V. Mihali, L. Frențescu, D. Bechet, L. **Budisan**, I. Mandrutiu and Gh. Benga. [The Age-Dependence of the red blood cell water permeability and its physiological relevance](#). Acta Endocrinologica (Buc.) 2014, 10 (4): 665-670, IF 0.411

13. Frențescu L, **Budisan L**, Benga G [The Profile of Cystic Fibrosis Transmembrane Conductance Regulator Gene Mutations in Patients From Romania in Relationship with the Ethnogenesis of the Romanian People](#). Acta Endo (Buc) 2013 9: 349-360, IF 0.411

14. **Budisan L.** Molecular biology methods used in the diagnosis of cystic fibrosis, Romanian Journal of Medical Laboratory, 19.07.2011, **IF 0.8**
15. Frentescu L, **Budisan L.** [Screening for common cystic fibrosis mutations in Romanian patients: analysis of twenty-one cases 2009](#), Romanian Journal of Medical Laboratory 17(4):25-29, **IF 0.8**
16. Frentescu L, Brownsell E, Hinks J, Malone G, Shaw H, **Budisan L.**, Bulman M, Schwarz M, Pop L, Filip M, Tomescu E, Mosescu S, Popa I, Benga Gh. [The study of Cystic Fibrosis Transmembrane Conductance Regulator gene mutations in a group of patients from Romania](#). Journal of Cystic Fibrosis 2008, 7:423-428, **IF 4.29**
17. Frentescu L, Brownsell E, Hinks J, Malone G, Shaw H, **Budisan L.**, Schwarz M, Pop L, Filip M, Tomescu E, Popa I, Benga Gh. [The study of cystic fibrosis gene mutations in a group of patients from Romania](#). Bulletin of Molecular Medicine, Spring-Summer-Fall 2002, 11-13:1-10, **IF 4.29**
18. Vulturar RC, Pascu V, Opris E, **Budisan L.**, Benga I, Benga G. Statistical evaluation of the aminoacidopathies diagnosed in the Laboratory of Human Genetics of Cluj County Hospital, integrated in the Department of Cell and Molecular Biology of "Iuliu Hatieganu" University of Medicine and Pharmacy from Cluj-Napoca, Romania, between 1981-2001. European Journal of Human Genetics, Volume: 10 Supplement: 1 Pages: 211-211 Published: MAY 2002, **IF 3.907**

Specializations and qualifications

June 22-24, 2015: Laboratory of Bio-analytical and Proteomics, Department of Chemistry, Faculty of Science and Technology, University Nova, Caparica, Lisbon – Training in Ultrafast sample Treatment for Proteomics.

22 to 27 October 2012 - course "Gene microarray basic and advanced" to "Prof. Dr. I. Chiricuță in Cluj-Napoca, course of the project" System training medical personnel on new technologies in the health system (molecular diagnostics) TDM".

1 December 2010 - 30 November 2013 - project "Training and organizational immunology laboratories employees by implementing advanced technology and quality management (IMUNOLAB) funded by the European Social Fund Operational Programme Human Resources Development (HRD).

She participated in international course "Summer School Biogeno Cancer Biology and Functional Genomics in Therapy", 2 to 12 July 2006, Institute of Oncology "Ion Chiricuță" Cluj-Napoca.

2002, she completed a period of specialization in molecular genetics at the Royal Hospital for Children in Manchester, UK, 6 weeks , where he worked SSCP technique to detect mutations in the cystic fibrosis gene.

She graduated Master of Molecular Medicine and Neuroscience.

June-July 2000 – Informatics Course (Microsoft Office 2000) at the Centre for Applied Informatics in Cluj-Napoca.

19 to 30 July 1999 - participation in the International Course theoretical ICRO (International Cell Research Organisations) / UNESCO Training Course entitled "Biomembranes and Molecular Medicine", organized by Prof. dr. Gh. Benga, in Cluj-Napoca.

1996 - Course of Clinical Biochemistry, Cluj County Emergency Hospital.

National / international projects

PN-III-P4-ID-PCE-2016-0795 Addressing the complex exposome profile in hormone dependent cancers of the breast and prostate and its influence on tumoral genome ACHILLE, 2017-2019.

FSS Project to implement activities to identify and promote innovative student-initiated ideas, business ideas, entrepreneurship and student start-ups 2017.

PN-II-PT-PCCA-2013-4-0030 Modulation of pro/anticarcinogenic effect of toxic chemical agents in breast cancer multitargeted therapy-CANCERTER-p53, 2014-2017.

Grant Biotech no. 4760/2004, Cluj County Emergency Hospital, 2004-2005.

Computer controlled system for monitoring cations in fluids for biotechnological and medical interest Babes – Bolyai University, Cluj-Napoca, SC Datronix SRL, Cluj-Napoca, Raluca Ripan, Institute of research in chemistry, Cluj-Napoca, University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca, University of Medicine and Pharmacy Iuliu – Hatieganu, Cluj-Napoca,

Emergency County Clinical Hospital, Cluj-Napoca PNCDI-BIOTECH 04-5-PDT – 4760, 2004-2006.

CNCSIS type D no. 74, Complex program of in depth studies / PhD in molecular medicine and neurosciences arrea 2000-2002, headmaster Phd Prof. Gh. Benga, University of Medicine and Pharmacy Iuliu – Hatieganu, Cluj-Napoca, 2000-2002.