



Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **POPESCU Octavian**
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E-mail octavian.popescu@ibiol.ro; opopescu.ubbcluj@gmail.com
Nationality Romanian
Date of birth 23 September 1951
Gender Male

Desired employment / Occupational field

Romanian Academy, Institute of Biology Bucharest; Babes-Bolyai University of Cluj-Napoca/
Molecular Biology (scientific research, education)

Work experience

Dates	2009-present
Occupation or position held	Senior Scientist
Main activities and responsibilities	Scientific research Research Activities: Human erythrocyte membrane proteins. Production of heterologous proteins in <i>E. coli</i> . Proteoglycan mediated cell recognition and adhesion in marine sponges. Identification and characterization of glyconectins, a new class of cell adhesion molecules. Atomic force microscopy and cell adhesion. Cloning and expression of different genes from eukaryotic or prokaryotic microorganisms (enolase and glucose 6-phosphate isomerase genes from <i>Toxoplasma gondii</i> ; genes for dehydrogenases from <i>Escherichia coli</i> , <i>Bacillus subtilis</i> , <i>B. stearothermophilus</i> and <i>Synechocystis</i> sp.; genes for phosphoketolase from <i>Pseudomonas aeruginosa</i> and <i>Synechocystis</i> sp.). Human genotyping. Molecular taxonomy and phylogeny.
Name and address of employer	Romanian Academy, Institute of Biology Bucharest, Splaiul Independentei no. 296, 060031, Bucharest
Dates	1997-present
Occupation or position held	Professor
Main activities and responsibilities	Teaching and scientific research
Name and address of employer	Babes-Bolyai University, Department of Experimental Biology (1997-2009; 2011-present), Department of Clinical Psychology and Psychotherapy (2009-2011), M. Kogalniceanu no. 1, 400084, Cluj-Napoca
Dates	1990-1997
Occupation or position held	Senior Scientist
Main activities and responsibilities	Scientific research
Name and address of employer	Institute for Biological Research Cluj-Napoca, Republicii no. 48, Cluj-Napoca
Dates	1981-1990
Occupation or position held	Lecturer and Senior Lecturer
Main activities and responsibilities	Teaching and scientific research
Name and address of employer	Department of Cell Biology, University of Medicine and Pharmacy Cluj-Napoca, E. Isac no. 13, Cluj-Napoca
Dates	1977-1981
Occupation or position held	Biologist
Main activities and responsibilities	Medical laboratory and scientific research

Name and address of employer | County Hospital Cluj, Laboratory of Human Genetics

Education and training

Dates	1981-1985
Title of qualification awarded	Ph.D. in Biochemistry
Principal subjects/occupational skills covered	Biochemistry, Cell Biology, Molecular Biology, Genetics, Human Genetics
Name and type of organisation providing education and training	University of Iasi, Romania
Dates	1972-1976
Title of qualification awarded	University Diploma (B.Sc.) in Molecular Biology and Physiology
Principal subjects/occupational skills covered	Chemistry (general and inorganic, physical, organic), Biomathematics, Histology and Anatomy, Biochemistry, Biophysics, Comparative Physiology, Immunology, Ecology, Genetics, Molecular Biology, Molecular Biology Malignant Cell, Instrumental Biochemical Methods, Embryonic Development, Neurophysiology, Microbiology
Name and type of organisation providing education and training	University of Belgrade, Yugoslavia
Dates	1970-1972
Title of qualification awarded	-
Principal subjects/occupational skills covered	Human Anatomy, Human Physiology, Biochemistry, Biophysics, Histology, Cytology, Medical Biology
Name and type of organisation providing education and training	Institute of Medicine and Pharmacy Cluj-Napoca, Faculty of Medicine

Teaching Experience

1997-present - Course "Genetics" for B.Sc. degree in Biology; "Recombinant DNA Technology" and "Molecular Genetics" for M.Sc. degree in "Cell Biology and Molecular Biotechnology"; "Structural and Functional Genomics" and "Advanced Genetics" for Ph.D. students, Babes-Bolyai University

1981-1990 - Course "Cell and Molecular Biology", University of Medicine and Pharmacy

Visits to other Laboratories

1998 (9 months) - **Visiting Scientist**: INSERM U42, Villeneuve d'Ascq, France

1996 (6 months) - **Visiting Professor**: Biozentrum, University of Basel, Switzerland

1993-1996 Associate Scientist - Department of Research, University Hospital Basel, Switzerland

1990-1992 Associate Scientist - Institut Pasteur Paris, France

Personal skills and competences

Mother language | **Romanian**

Other language(s)

Self-assessment

European level (*)

French

English

Serbo-Croatian

Russian

German

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production		Writing	
C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
C1	Proficient user	C1	Proficient user	C1	Proficient user	B2	Independent user	B2	Independent user
C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
A2	Basic user	A2	Basic user	A2	Basic user	A2	Basic user	A2	Basic user
A1	Basic user	A1	Basic user	A1	Basic user	A1	Basic user	A1	Basic user

(*) [Common European Framework of Reference for Languages](http://www.cedefop.europa.eu/en/files/quest_doc/CEFR.pdf)

Social skills and competences	Teamwork
Organisational skills and competences	Experience in research project management (project manager) Managerial experience at the faculty (Dean and Head of Department); Scientific Director
Technical skills and competences	Specific methods and techniques of molecular biology, molecular genetics and biochemistry
Computer skills and competences	Specific software for molecular biology
Artistic skills and competences	Artistic Drawing (Fine arts)
Other skills and competences	History of Romania
Driving licence	B
Additional information	<ul style="list-style-type: none"> - Member of the Romanian Academy (Corresponding Member since 2000, Member of 2010). - President of the Romanian Society of Biochemistry and Molecular Biology (2004-2009). - Scientific Publications: 62 research papers in journals indexed by Thomson Reuters Web of Science (<i>Nature, Science, J. Biol. Chem., J. Mol. Biol., Eur. J. Immunol., Biochemistry-USA, J. Membrane Biol., Electrophoresis, J. Cell. Biochem., Mol. Pharmacol., Nanotechnology, Biochimie, FEBS Lett, Zootaxa</i>, etc.); more than 1260 citations indexed by Web of Science (October 2011); Hirsch Index 17; 8 book chapters; 3 books (in Romanian): <i>Electroforeza (Electrophoresis)</i>, Editura Tehnică, București, 184 pp., 1988, <i>Electroforeza proteinelor în geluri de poliacrilamida (Protein electrophoresis on polyacrylamide gels)</i>, Editura Tehnică, București, 268 pp., 1990 and <i>Dicționar de microbiologie generală și biologie moleculară (Dictionary of general microbiology and molecular biology)</i>, 1347 pp. 2011 (in press).
Annexes	List of relevant publications.

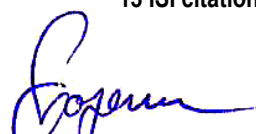
November 3rd, 2011


Professor Octavian POPESCU, PhD

RELEVANT PUBLICATIONS
Web of Science - ISI Thomson Reuters
 (PhD. Octavian POPESCU, 1979-2011)

1. Potara M, Jakab E, Damert A, **Popescu O**, Canpean V, Astilean S, Synergistic antibacterial activity of chitosan-silver nanocomposites on *Staphylococcus aureus*, *Nanotechnology*, **22**, 2011. DOI: 10.1088/0957-4484/22/13/135101.
2. Ujvárosi L, Bálint M, Schmitt T, Mészáros N, Ujvárosi T, **Popescu O**, Divergence and speciation in the Carpathians area: patterns of morphological and genetic diversity of the crane fly *Pedicia occulta* (Diptera: Pediciidae), *J N Am Benthol Soc*, **29**, 1075-1088, 2010. **2 ISI citations**
3. Balint M, Botosaneanu L, Ujvarosi L, **Popescu O**, Taxonomic revision of *Rhyacophila aquitanica* (Trichoptera: Rhyacophilidae), based on molecular and morphological evidence and change of taxon status of *Rhyacophila aquitanica* ssp. *carpathica* to *Rhyacophila carpathica* stat. n., *Zootaxa*, **2148**, 39-48, 2009. **4 ISI citations**
4. Chiriac M, Lupan I, Bucurenci N, **Popescu O**, Palibroda N, Stereoselective synthesis of L-[¹⁵N] amino acids with glucose dehydrogenase and galactose mutarotase as NADH regenerating system, *J Label Compd Radiopharm*, **51**, 171-174, 2008. **2 ISI citations**
5. Balint M, Barnard PC, Schmitt T, Ujvarosi L, **Popescu O**, Differentiation and speciation in mountain streams: a case study in the caddisfly *Rhyacophila aquitanica* (Trichoptera), *J Zool Syst Evol Res*, **46**, 340-345, 2008. **9 ISI citations**
6. Marian C, Anghel A, Bel SM, Ferencz BK, Ursoniu S, Dressler M, **Popescu O**, Budowle B, STR data for the 15 AmpFISTR identifier loci in the Western Romanian population, *Forensic Sci Int*, **170**, 73-75, 2007. **3 ISI citations**
7. Guerardel Y, Czeszak X, Sumanovski L, Karamanos Y, **Popescu O**, Strecker G, Misevic GN, Molecular fingerprinting of carbohydrate structures phenotypes of three porifera proteoglycan-like glyconectins, *J Biol Chem*, **279**, 15591-15603, 2004. **15 ISI citations**
8. Misevic GN, Guerardel Y, Sumanovski L, Slomianny MC, Demarty M, Ripoll C, Karamanos Y, Maes E, **Popescu O**, Strecker G, Molecular recognition between glyconectins as an adhesion self-assembly pathway to multicellularity, *J Biol Chem*, **279**, 15579-15590, 2004. **12 ISI citations**
9. **Popescu O**, Checui I, Gherghel P, Simon Z, Misevic GN, Quantitative and qualitative approach of glycan-glycan interactions in marine sponges, *Biochimie*, **85**, 181-188, 2003. **14 ISI citations**
10. Dzierszinski F, Mortuaire M, Dendouga N, **Popescu O**, Tomavo S, Differential expression of two plant-like enolases with distinct enzymatic and antigenic properties during stage conversion of the protozoan parasite *Toxoplasma gondii*, *J Mol Biol*, **309**, 1017-1027, 2001. **46 ISI citations**
11. Dzierszinski F, **Popescu O**, Toursel C, Slomianny C, Yahiaoui B, Tomavo S, The protozoan parasite *Toxoplasma gondii* expresses two functional plant-like glycolytic enzymes. Implications for evolutionary origin of apicomplexans, *J Biol Chem*, **274**, 24888-24895, 1999. **66 ISI citations**
12. **Popescu O**, Misevic GN, Self-recognition by proteoglycans, *Nature*, **386**, 231-232, 1997. **30 ISI citations**
13. *Dammer U, ***Popescu O**, Wagner P, Anselmetti D, Güntherodt H-J, Misevic GN, Binding strength between cell adhesion proteoglycans measured by atomic force microscopy, *Science*, **267**, 1173-1175, 1995. **297 ISI citations**
- *These authors contributed equally to this study
14. Misevic GN, **Popescu O**, A novel class of embryonic cell adhesion glycan epitopes is expressed in human colon carcinomas, *J Mol Recognition*, **8**, 100-105, 1995. **5 ISI citations**
15. Durieux J-J, Vita N, **Popescu O**, Guette F, Calzada-Wack J, Munker R, Schmidt RE, Lupker J, Ferrara P, Ziegler-Heitbrock HWL, Labeta MO, The two soluble forms of the lipopolysaccharide receptor, CD 14: characterization and release by normal human monocytes, *Eur J Immunol*, **24**, 2006-2012, 1994. **97 ISI citations**
16. Clément J-M, **Popescu O**, MalE as a tool for the production of the heterologous proteins in *Escherichia coli*, *Bull Inst Pasteur*, **89**, 243-253, 1991. **17 ISI citations**
17. Benga G, **Popescu O**, Pop VI, Holmes RP, *p*-(Chloromercuri) benzene-sulfonate binding by membrane proteins and the inhibition of water transport in human erythrocytes, *Biochemistry*, **25**, 1535-1538, 1986. **81 ISI citations**
18. Benga G, **Popescu O**, Borza V, Pop VI, Mureșan A, Mocsy I, Brain A, Wrigglesworth JM, Water permeability in human erythrocytes: identification of membrane proteins involved in water transport, *Eur J Cell Biol*, **41**, 252-262, 1986. **74 ISI citations**
19. **Popescu O**, A simple method for drying polyacrylamide slab gels using glycerol and gelatin, *Electrophoresis*, **4**, 432-433, 1983. **13 ISI citations**

November 3nd, 2011


 Professor Octavian POPESCU, PhD