



## EUROPEAN CURRICULUM VITAE



### PERSONAL INFORMATION

Name **ANCA MALINA ROSEANU-CONSTANTINESCU**  
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Nationality Romanian  
Date of birth 04.04.1950

### WORK EXPERIENCE

Dates (from-to)/ position held 1991-present: Senior scientific researcher; 1997-2011 Deputy-director; 1997-2020 Head of Ligand-receptor interaction Dept.; 2021 Head of Cellular and Molecular Bio-Nanotechnology Dept.

Main activities and responsibilities/competences Scientific research  
-Deputy-director (1997-2011)  
-Head of Ligand-receptor interaction Dept./ Head of Cellular and Molecular Bio-Nanotechnology Dept.  
-Vice-president of the Romanian Society of Biochemistry and Molecular Biology  
-Coordinator of national and international research grants  
**Scientific competence in:** role of proteins in inflammation and infection; interaction of proteins with cells; binding and internalization of proteins; intracellular trafficking; cellular signaling; mechanisms of action at intracellular level; biocompatibility studies using different cells in culture; use of liposomes and other nanostructures as delivery system for compounds with antitumoral, anti-inflammatory and antimicrobial properties.

Name and address of employer Institute of Biochemistry, Spl. Independentei 296, 060031, Bucharest (ROMANIA)  
[www.biochim.ro](http://www.biochim.ro)

Type of business or sector Scientific research

Dates (from-to)/ position held 1977-1991 research assistant/ scientific researcher;

Main activities and responsibilities Coordinator and collaborator of national research grants

Name and address of employer Institute of Biology (Romanian Ministry of Research) (1977-1991)  
Spl. Independentei 296, 060031, Bucharest (ROMANIA)

### EDUCATION

Dates (from - to) 1985-1993  
Title of qualification awarded PhD in Biology, Biochemistry specialisation

Principal subjects/occupational skills covered Proteins involved in infection and immunity  
Competence in: ligand-cell interaction; cell culture techniques; biotoxicity studies  
Biochemistry; Cell biology; Immunochemistry techniques; Biotechnology; Enzymology

Name and type of organization providing education and training Institute of Biochemistry, Romanian Academy

Dates (from – to) 1969-1974

Title of qualification awarded BS in Chemistry (1973)  
MSc in Biochemistry (1974)

Name and type of organization providing education and training Faculty of Chemistry, University of Bucharest

**Training abroad** 1993 EEC/EU grant , Université des Sciences et Technologies de Lille, France  
1994-1996 Université des Sciences et Technologies de Lille, France. Program International de cooperation scientifique (PICS –CNRS) (3 month/year)  
1998 -2001 University of Glasgow, Dept. of Immunology , Glasgow, UK, (3 month/year) Royal Society short term grants  
1991-2003 Goteborg University, Dept. Immunology, Sweden , Agreement of collaboration  
2003-2008 Goteborg University, Dept. Bacteriology and Microbiology, Swedish Institute project  
2019 Oxford University-Rise project

Title of qualification awarded **Honorary Research Fellow** – University of Glasgow, 1998

Mother tongue Romanian

Other languages English, French

Autoevaluare

	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoke production	
<b>english</b>	en	C2	C2	C2	C2
<b>french</b>	fr	C2	C2	c2	B2 B1

(\*) *Common European Framework of Reference for Languages*

Social skills and competences **Team work:** I have worked in various research teams from different universities, Sweden, France, UK, and during the multiple research stages abroad I have good capacity to adapt to multicultural social environment.  
**Ability in communication:** Presentations in more than 30 national and international seminars /conferences/workshops.  
**Member of national and international professional and scientific societies:** European Iron Club (EIC), Romanian Society of Biochemistry and Molecular Biology (RSBMB)-vice-president; National Society of Immunology (NSI), National Society of Biotechnology, Member of Bioeconomy and life sciences Committee of the Romanian Ministry of Research and Innovation, Member of Editorial board of Molecular Life; reviewer J.Polymers and Environment, Applied Microbiology and Biotechnology, J.Agric.&Food Chemistry, Expert Opinion on Drug Delivery, Materials, Membranes, Biomedicines



Organisational skills and competences **Coordinator** of the activity of the Cellular and Molecular Bio-Nanotechnology Department-Institute of Biochemistry

**Coordinator of national grants** 1990-2023 (Romanian Academy of Science, Romanian Ministry of Research, Romanian Medical Academy, Romanian Agency of Research-ANCS, UEFISCDI);

**International grants: Principal investigator**- Program PICS (CNRS) Franța "Involvement of Lactoferrin in the inflammatory processes" (1994-1996), Grant Royal Society (UK), "Anti-inflammatory effects of lactoferrin" (1998-2001), Grant Royal Society (UK), "Immunoregulatory activity of free and liposome-entrapped lactoferrin"(2001-2005), Swedish Institute Project "Anti-inflammatory activity of lactoferrin. The mode of action on intracellular transduction pathways" (2003-2008)

**Coordinator /collaborator of** EU financed projects (POSCCE-nr SMIS CSNR 12951/2010; POSDRU/89/1.5/S/60746/2010-2013); Rise project Oxford University

**Workshop organised**

FEBS Course "Recombinant DNA Technology", Bucharest, September (2005-2009)

12th Balkan Biochem Biophys Days, Bucharest (2001)

Workshop "Molecular basis of Plant Defence Mechanisms", Bucharest, February (2003)

International Meeting "Glycosilation & Disease", Bucharest (2004)

FEBS-IUSMB Meeting "Protein Folding in Health & Disease", Bucharest, June (2005)

Annual International Conferences of Romanian Society of Biochemistry and Molecular Biology

Computer skills and competences Competent with most Microsoft Office programs and some experience with HTML

#### ADDITIONAL INFORMATION

**Publications** **Papers published in scientific journals** - over 90  
**Citations** - over 1000; hiesch index 17

#### Patents

**National patent (4)**

**Anca Roseanu, M.Lungu, S.S.Vasu, Sonia Marinare – Lactase from Aspergillus sp. for enzyme therapy**, Patent nr. 87313/ 7.05.1985

**Anca Roseanu, M.Șerban, M.Lungu, V.Zarchievi, Carmen Rotaru – Method for a semiquantitative measurement of glucose in urine**, Patent nr. 97575/ 21.04.1987

**Anca Roseanu, Ioana Gomoiu, Magdalena Lungu, Vi.Gheordunescu, Rodica Barnescu, Irina Zamfirescu – Multivalent enzymatic preparation for substitution therapy**, Patent nr. 110680/1996

**Gheorghe A, Jecu L, I. Voicu A, Lazaroaie M, Roseanu A, Chelu F, Florian P, Stoica A, Raut I, M. Stroescu, "Procedure to obtain a bacterial product with antifungal activity"** Patent nr.126895/29.11.2013.

#### Grants and manuscript reviews

Romanian Ministry of Research and Education - Research of Excellence Programme Romanian Academy, National Council of Scientific Research and Education, (grants)

Romanian Journal of Biochemistry

Revue Roumaine de Biologie

Reviewer-J.Polymers and Environment, Applied Microbiology and Biotechnology, J.Agric.&Food Chemistry, Expert Opinion on Drug Delivery, Materials, Membranes, Biomedicines

#### Teaching experience

PhD thesis evaluator

Advisor of BS training in Biochemistry for students from University of Bucharest (Faculty of Biology and Faculty of Chemistry), MS training in Biochemistry

Associated Professor of Biotechnology, Univ. Bucharest, Faculty of Chemistry ( 1990-1994 ) and Faculty of Food Chemistry (1998)

#### Awards

1998 – Univ. Glasgow, Honorary research fellow

2006- Best Paper Award, „Lactoferrin—a glycoprotein with anti-inflammatory and antitumoral potential” conference, ICECHIM Institute International Symposium

**Invited Conferences**

(Selection)

Universite des Sciences et Technologies, Laboratoire de Chimie Biologique, Lille, France (1996, seminar)

Balkan Biochemical and Biophysical Days (2001, 2003)

European IRON Club Meeting (2000)

Balkan Biochemical Biophysical Days (2001)

Goteborg University (2010-seminar)

International Meetings of the Romanian Society of Biochemistry and Molecular Biology (1998, 2002, 2003, 2004, 2006, 2008, 2010-2018)

19.02.2024

