

Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **Oana Maria ABUREL (DUICU)**
Address Department of Pathophysiology - Functional Sciences, Faculty of Medicine "Victor Babes"
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Romania
E-mail(s) [oanaduicu@umft.ro](mailto: oanaduicu@umft.ro)
Nationality Romanian
Date of birth 17 October 1975

Occupational field **Research, Teaching and Health**

Work experience

Dates	January 2001 - June 2001
Occupation or position held	Intern
Main activities and responsibilities	Clinical activity
Name and address of employer	Clinical Hospital No.1 Timisoara. Clinic of Nutrition and Metabolic Diseases
Type of business or sector	Health
Dates	July 2001 - December 2001
Occupation or position held	Intern
Main activities and responsibilities	Clinical activity
Name and address of employer	Clinical Hospital, No.1 Timisoara. Clinic of Orthopaedic and Traumatology
Type of business or sector	Health
Dates	January 2003 - January 2008
Occupation or position held	Resident physician in Laboratory Medicine
Main activities and responsibilities	Clinical activity
Name and address of employer	Clinical Hospital, No.1 Timisoara. Clinical Laboratory
Type of business or sector	Health
Dates	February 2003 - February 2006
Occupation or position held	Teaching Assistant
Main activities and responsibilities	Teaching and research activity

Name and address of employer	University of Medicine and Pharmacy "Victor Babes" Timisoara (Romania) Pathophysiology Department
Type of business or sector	Education and health
Dates	February 2006 - May 2014
Occupation or position held	Assistant Professor
Main activities and responsibilities	Teaching and research activity
Name and address of employer	University of Medicine and Pharmacy "Victor Babes" Timisoara (Romania) Pathophysiology Department
Type of business or sector	Education and health
Dates	May 2014 – July 2015
Occupation or position held	Lecturer
Main activities and responsibilities	Teaching and research activity
Name and address of employer	University of Medicine and Pharmacy "Victor Babes" Timisoara (Romania) Pathophysiology Department
Type of business or sector	Education and health
Dates	July 2015 – to date
Occupation or position held	Associate Professor
Main activities and responsibilities	Teaching and research activity
Name and address of employer	University of Medicine and Pharmacy "Victor Babes" Timisoara (Romania) Pathophysiology Department
Type of business or sector	Education and health
Dates	November 2019 – May 2023
Occupation or position held	MD
Main activities and responsibilities	Laboratory Medicine
Name and address of employer	Pediatric Emergency Hospital "Louis Turcanu"
Type of business or sector	Health
Dates	May 2023 – to date
Occupation or position held	MD, Interim Chief of Laboratory
Main activities and responsibilities	Laboratory Medicine
Name and address of employer	Pediatric Emergency Hospital "Louis Turcanu"
Type of business or sector	Health
Dates	November – to date
Occupation or position held	Habilitation IOSUD UMFVBT – order number 6309/18.09.2025
Main activities and responsibilities	Teaching and research activity
Name and address of employer	University of Medicine and Pharmacy "Victor Babes" Timisoara (Romania)
Type of business or sector	Education and health
Education and training	
Dates	October 1994 - November 2000
Title of qualification awarded	Medical Doctor diploma nr. 663/20.11.2000
Principal subjects / occupational skills covered	Medical Doctor/Clinical activity

Name and type of organisation providing education and training

University of Medicine and Pharmacy "Victor Babes"
2 Eftimie Murgu Sq., 300041 Timisoara (Romania)

Dates **January 2003 - January 2008**

Title of qualification awarded
Principal subjects / occupational skills covered

Board Certificate Laboratory Medicine nr. 2140/2007
Medical Science

Name and type of organisation providing education and training

University of Medicine and Pharmacy "Victor Babes"
2 Eftimie Murgu Sq., 300041 Timisoara

Dates **November 2009 - April 2013**

Title of qualification awarded
Principal subjects/occupational skills covered
Name and type of organisation providing education and training
Level in national or international classification

PhD – „Summa cum laude”
Major research fields: ageing and mitochondria dysfunction, ischemia/reperfusion injury, cardioprotection
University of Medicine and Pharmacy "Victor Babes" – Coordinator Prof Dr Danina Muntean
2 Eftimie Murgu Sq., 300041 Timisoara (Romania)
Faculty of Medicine, University of Szeged, Hungary – Coordinator Prof Dr Peter Ferdinandy
3rd Cycle of Qualification in EHEA

Personal skills and competences

Mother tongue(s) **Romanian**

Other language(s)

Self-assessment
European level (*)

English
French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Advanced level	C1	Advanced level	C1	Advanced level	C1	Advanced level	C1	Advanced level
B2	Independent level	B2	Independent level	B2	Independent level	B2	Independent level	B2	Independent level

(*) [Common European Framework of Reference \(CEF\) level](#)

Social skills and competences

Competences in Research obtained by attending training scholarships/courses:

International scholarship:

- **Summer School:** "Mitochondrial Physiology - From Organelle to Organism": 17-21 august 2015, Copenhagen, Denmark
- Short Term Scientific Mission within the **COST project Action TD0901** at Division of Mitochondrial Biology, Institute for Diabetes and Obesity, Helmholtz Zentrum Munich, Germany (9.06.-12.07.2013, COST-STSM- TD0901-13388).
- PhD research mobility in the University of Szeged, Department of Biochemistry; Prof. Dr. Peter Ferdinandy. Szeged, Hungary, 1 june – 1 august 2012, 1 october – 1 november 2012;
- PhD research mobility in the Institut National de la Sante et de la Recherche Medicale, Université Claude Bernard-Lyon 1, France; Prof. Dr. Michel Ovize. Lyon, France, 2 april – 2 august 2011
- Short Term Scientific Mission, **COST FA0602 Bioactive food components, mitochondrial function and health**. Reference code: COST-STSM-FA0602-06082 Mitochondrial Physiology, D. Swarovski Research Laboratory, Medical University of Innsbruck, Department of General and Transplant Surgery: 01.10.2010 – 07.11.2010, Austria
- Short Term Scientific Mission, **COST FA0602 Bioactive food components, mitochondrial function and health**. Reference code: COST-STSM-FA0602-05362 Laboratory of Biochemistry, Institute for Biomedical Research, Kaunas University of Medicine: 19/10/2009 - 22/11/2009

- Project Leonardo da Vinci 79226/TD/2003 "Genomic approaches in cardiovascular diseases and cancer in Romania": Max Planck Institute, Berlin, 01.10-01.12. 2004

National scholarship:

- PhD Fellowship within the POSDRU/1.5/88/S/ID project 63117 (2010-2013)
- Postdoctoral Fellowship within the POSDRU/159/1.5/S/136893 (2014-2015)

Organisational skills and competences

Competences in research coordination, management of research projects

I. Responsible for Laboratory for Mitochondrial Research within the Center for Translational Research & Systems Medicine within the "Victor Babes" University of Medicine and Pharmacy of Timisoara, Romania (since 2014 – to date)

II. Participation in International/National Research Projects:

A. INTERNATIONAL PROJECTS (5)

Project director:

1. Romania-France Cooperation Mobilities Programme „Brancusi-Hubert Curien”, “*Novel Insights in Vascular Protection Mediated by Purinergic Signaling*” – PUR-VASC-PROTECT, project no. 75 BM, 2017-2018

Project member:

1. Hungary-Romania Cross-Border Cooperation Programme 2007-2013, “*Twinning Project for the Joint Development of the Research Infrastructure*”, code 1101/082/2.2.1, 2013-2014
2. Hungary-Romania Cross-Border Co-operation Programme 2007-2013, “*Development of the infrastructure for a pole of excellence in cardiovascular research – HURO-CARDIO-POL*”, project no. HURO/0802/011_AF, 2010-2012
3. Hungary-Romania Cross-Border Co-operation Programme 2007-2013 “*Implementation of a regional project for translational medical research concerning diseases with high impact in population - HU-RO TRANSMED*”, project no. HURO/0901/137/2.2.2, 2011-2012
4. Romanian–Hungarian Bilateral Cooperation “*Implementation of a Regional Training Network in Experimental Cardiology*”, Category: Romanian – Hungarian Joint Projects in S²T, code RO 24/2007 ID RO 17/2007, contract nr. 55/2008, 2008-2009

B. NATIONAL PROJECTS (8)

Project director:

1. Institutional Internal Project within the Program Partnerships in Innovative Basic Research: „*Modulation of mitochondrial function by methylene blue in human cardiovascular adipose tissue*” – MITO-MB-CURAT , project no. 2POSTDOC/1387/03.02.2020

Project partner/responsible:

1. Institutional Internal Project within the Program Partnerships in Innovative Basic Research: „*Contribution of MAO-induced oxidative stress at cardiovascular dysfunction and prognosis of coronary patients with and without diabetes mellitus*” – MAO-CARDIO-SOX, code PIII-C1-PCFI-2014/2015.

Project member:

1. Institutional Internal Project within the Program Partnerships in Innovative Basic Research „*The role of vitamin D in vascular and mitochondrial modulation at adipose tissue level, in animal models and humans*” – VASC-ADIPO-MIT, code III-C5-PCFI-2017/2018-01
2. Program PN-III-P2-2.1-BG-2016-0455 contract 122BG - 03/10/2016: “*Cutting-Edge Eugenol-Based Nanocapsule Formulations with Applications in Dental Medicine*”
3. Institutional Internal Project within the Program Partnerships in Innovative Basic Research:” *New pharmaceutical approaches for modulating the bioavailability of potential chemopreventive flavonoids for malignant melanoma*” – **FLAVOFORM**, code PIII-C1-PCFI 2015/2016
4. National Association for Scientific Research (NASR), Exploratory Research Project” *Evaluation of cardioprotective effects of K-ATP channels modulation*” code PCE-2012-4-0512, 2013-2015
5. National Association for Scientific Research (NASR) Project “*Cardioprotective Strategies at Reperfusion: Mitochondria as Multiple Therapeutic Target*” - CARDIO-MITO-PROT, category: Complex Partnerships II, code 2560/2008, contract nr. 42 122/2008, 2008-2011
6. Romanian Academy Grant (GAR)– “*In vitro studies concerning the respiratory function of the mitochondrial subpopulations isolated from the mammalian myocardium*”, contract 152/2007and 148/2008, 2006 – 2008

I. Education Related Competences:

1. First and co-author in 18 books (manuals/practical guides in the field of Pathophysiology in Romanian, English & French)

2. Lecturer in postgraduate lectures within the University:

- 2014 – Lecturer, Postgraduate Course: “Current Trends in Paraclinical Diagnosis: From Novel Biomarkers to Diagnostic Algorithms”
- 2016 – Lecturer, Postgraduate Course: “The Diagnostic and Prognostic Role of Biomarkers in Cardio-Metabolic, Renal, and Rheumatic Diseases”
- 2020 – Lecturer, Postgraduate Course: “Vascular and Mitochondrial Dysfunction in Chronic Disease and Aging: Pathophysiological Mechanisms, Diagnostic Approaches, and Therapeutic Perspectives”
- 2021 – Lecturer, Postgraduate Course: "Updates in pathophysiology, diagnostic markers and cardiovascular risk in diabetes mellitus and chronic kidney disease"
- 2022 – Coordinator and Lecturer, Postgraduate Course: "News in laboratory and paraclinical diagnosis: from biomarkers to algorithms"
- 2023 – Lecturer, Postgraduate Course: “Pathophysiology as a bridge between medical disciplines”
- P2024 – Lecturer, postgraduate Course: “Updates in pathophysiology, laboratory diagnosis and therapy of cardio-metabolic diseases”
- 2025 – Lecturer, Postgraduate Course within the frame of the BIOSINT Project, Co-funded by the European Union: “Personalised Medicine”

II. Research Related Competences

1. Scientific Activity: *H Index*: 17; 994 citations (WEB OF SCIENCE, 11.02.2026)

2. Affiliation to Professional Societies

A. International Societies: International Academy of Cardiovascular Sciences (IACS)

B. National Societies: Romanian Society of Laboratory Medicine; Romanian Society for of Pathophysiology.

3. Research Areas of Interest:

- Cardiovascular pathophysiology: ischemia/reperfusion injury & cardioprotective strategies
- Mitochondria dysfunction in chronic diseases and ageing: from mechanisms to novel therapeutic compounds
- Secondary area of interest: endothelial dysfunction
- Effects of phyto-bioactive compounds on mitochondria function

4. AWARDS:

A. International

1. Best poster presentation award offered by Turkish Society of Cardiovascular Surgery for the poster entitled: "Age Effects on Mitochondrial Respiration and Membrane Potential in Rat Hearts", within the **International Symposium on New Approaches in Cardiovascular Disorders: From Genes & Molecules to Clinical Application**, held in Ankara, Turkey, from 4 to 8 may, 2011

Poster

2. Poster award at the **International Symposium Advances in cardiovascular research**

from bench to bedside, Smolenice Castle, Slovakia, May 23-26, 2013.

3. Elisabeth Roth Travel Award Winner for the poster entitled:” Impairment of platelet mitochondrial respiration in patients with metabolic syndrome: a pilot study” within the **4th European Section Meeting of the International Academy of Cardiovascular Sciences**, Pecs, Hungary, 28-30 September, 2017

B. National:

1. Ist prize for scientific research within the University of Medicine and Pharmacy Victor Babes Timisoara, 2014

Computer skills and competences

Word, Powerpoint, Excel, Photoshop, ImageJ, GraphPad

Other skills and competences

DFP médical B2 (Diplôme de Français Professionnel Médical) – BIEN

Quality Management System Lead Auditor Diploma in Medical Laboratory Analyses – SR EN ISO 15189:2013 & SR EN ISO 19011:2018 (OCTOBER 2021) si SR EN ISO 15189:2023 & SR EN ISO 19011:2018 (MARCH 2024)

Driving licence(s)

B