



## Curriculum vitae Europass



### Personal information

Last name / First name

**Dănilă Maria-Daniela**

E-mail  
Nationality  
Date of birth

danila.maria@umft.ro  
Romanian  
26.07.1987

### Professional experience

Period

March 2025 – to date

Position

Associate Professor at the Pathophysiology Academic Department, University of Medicine and Pharmacy “Victor Babes”, Timișoara

Main activities and responsibilities

Teaching pathophysiology to the students of the English and Romanian sections

Name of the employer

University of Medicine and Pharmacy “Victor Babes”, Timișoara

Type of activity/sector of activity

Education

Period

September 2018 – March 2025

Position

Lecturer at the Pathophysiology Academic Department, University of Medicine and Pharmacy “Victor Babes”, Timișoara

Main activities and responsibilities

Teaching pathophysiology to the students of the Romanian, French and English sections

Name of the employer

University of Medicine and Pharmacy “Victor Babes”, Timișoara

Type of activity/sector of activity

Education

Period

December 2017 – to date

Position

MD, Specialist in Nephrology

Main activities and responsibilities

The diagnosis and treatment of patients with renal pathology

Type of activity/sector of activity

Health

Period

September 2012 – February 2014; October 2017 – June 2018

Position

Associated Assistant Professor at the Pathophysiology Academic Department, University of Medicine and Pharmacy “Victor Babes”, Timișoara

Main activities and responsibilities

Teaching pathophysiology to the students of the Romanian, French and English sections

Name of the employer

University of Medicine and Pharmacy “Victor Babes”, Timișoara

Type of activity/sector of activity

Education

Period

February 2014 – September 2017

Position

Assistant Professor at the Pathophysiology Academic Department, University of Medicine and Pharmacy “Victor Babes”, Timișoara

Main activities and responsibilities

Teaching pathophysiology to the students of the Romanian, French and English sections

Name of the employer

University of Medicine and Pharmacy “Victor Babes”, Timișoara

Type of activity/sector of activity

Education

### Education and training

Period

2012 - 2016

Title of qualification awarded

Doctor of Philosophy in Medicine (PhD) – graduated with “Summa cum laude” – confirmed by OMEN 3769/20.04.2017

Principal subjects/occupational skills covered

Major research fields: purinergic signaling, renal and cardiac ischemia/reperfusion, ischemic preconditioning, mitochondrial dysfunction

Name of organisation providing education and training

University of Medicine and Pharmacy “Victor Babes”, Timișoara

Period

2005 - 2011

Title of qualification awarded

Medical Doctor

Professional skills acquired

General Practitioner

Name of organisation providing education and training

University of Medicine and Pharmacy "Victor Babes", Timișoara – Faculty of Medicine

Period

2001-2005

Name of organisation providing education and training

Colegiul Național Bănățean, Timișoara (High School)

### Personal skills and competencies

Mother tongue(s)  
Other language(s)  
Self-assessment  
European level (\*)

Romanian

English

French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Experienced user	C1	Experienced user	C1	Experienced user	C1	Experienced user	C1	Experienced user
B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user

(\*) [Nivelul Cadrului European Comun de Referință Pentru Limbi Străine](#)

### Social skills and competencies

Team spirit, adaptability to diverse social environments, clear communication of ideas adapted to the level of knowledge of the discussion partner, interest to continuously improve my level of professional training, constant concern for the research activity.

#### Competencies in the research activity acquired through participation in internships / national or international summer schools or mobilities:

- Summer School entitled L'Ecole D'Eté Francophone "Pathologie et Pharmacologie Moléculaires. Biotechnologies"** under the patronage of the Romanian Academy, the Academy of Sciences of Paris, the French Ministries of National Education, Research, Technology and Culture, 06-18.07.2009, Arad, RO
- Research training** in the Department of Pharmacology and Pharmacotherapy of the University of Szeged in order to learn the experimental study procedure of the isolated retrogradely perfused heart according to the Langendorff methodology, necessary for the evaluation of different cardioprotective strategies - 12.10 - 23.10.2009; 25.03.2013 - 08.04.2013; 23-24.04.2014 and 28-30.04.2014, Szeged, HU
- Research training** in the Department of Pharmacology and Pharmacotherapy of the University of Szeged in order to learn the experimental model of isolated and perfused kidney for the study of changes associated with acute renal ischemia, 15.07.2013 - 19.07.2013 and 22.07.2013 - 26.07.2013, Szeged, HU
- Training course during my doctoral studies** at the Institute for Biomedical Investigations of the Superior Council for Scientific Investigations, Department of Experimental Pathology, Barcelona, in order to learn the methodology of isolation of renal mitochondria, 29.08.2013 - 27.09.2013, Barcelona, ES
- Training course during my doctoral studies** at the Department EA 4245 "Cellules Dendritiques et Greffes" of the "François Rabelais" University of Tours, France, in order to finalize my studies on renal mitochondrial dysfunction as part of the doctoral project and to learn new techniques for the evaluation of the contribution of purinergic receptors in the context of ischemia / reperfusion injury (cell culture hypoxia, Western Blot). This mobility was funded through the POSDRU / 159 / 1.5 / S / 136893 project and was carried out between 03.06.2015 - 30.09.2015.
- Short Term Scientific Mission Postdoctoral fellowship** financed by the COST CA15203 action - **Mitochondrial Mapping: Evolution-Age-Gender-Lifestyle-Environment - acronym MITO-EAGLE** in 19.02.-03.03.2018 - Lodz, Poland, and 11.03-14.03.2019 - Maria Waldrast, Matri A. Brenner, Austria, respectively.

### Organisational skills and competencies

#### Member in the team of several research / development projects:

- Projects for Young Researchers**, Internal Competition of the "Victor Babes" University of Medicine and Pharmacy, Timișoara - **Program II-C3-TC-2015 - 1st place** for the project **"Research on the interaction of mitochondria-purinergic signaling in cardioprotection at postischemic reperfusion"**, 2015-2016.
- Doctoral scholarship** within the **POSDRU/159/1.5/S/136893** project for the proposal **"Contributions to the elucidation of the role of mitochondrial dysfunction in the patho-**

genesis of acute renal disease" - 2014-2015

3. National Program PNIII - European and International Cooperation - Bilateral Cooperation with France, Mobility Project "New mechanisms of vascular protection mediated by purinergic signaling", no. 75 BM / 2017, period 2017-2018.
4. Hungary-Romania cross-border cooperation project 2007-2013 entitled "Twinning Project for the Development of Research Infrastructure - HURO-TWIN" code 1101/082/2.2.1, 2013-2014.
5. BIOSINT grant - Strengthening capacities and digital competences in biomedical education through internationalization at home

Coordinator of the Postgraduate Course "*Actualități în fiziopatologia, markerii diagnostici și riscul cardiovascular în diabetul zaharat și boala cronică de rinichi*" organized online between 18-29.03.2021 in the Pathophysiology Department of the University of Medicine and Pharmacy "Victor Babeș" Timișoara. Participation as lecturer in 10 postgraduate courses organized by the Pathophysiology Department of the University of Medicine and Pharmacy "Victor Babeș" Timișoara.

Member in the organizing committee and secretariat of the **9<sup>th</sup> European Section Meeting of the International Academy of Cardiovascular Sciences** held in Timișoara, 04-07.10.2023. Co-editor of the meeting "Programme & Abstract Book", ISBN 978-606-786-341-3.

Member in the organizing committee of the **National Congress of the Romanian Society of Pathophysiology with international participation**, 2-5 October 2024, Timișoara, România.

## Technical skills and competencies

Experimental studies of *ex vivo* ischemia / reperfusion on the retrogradely perfused heart according to the Langerdorff technique.

High resolution respirometry studies on mitochondria isolated through the differential centrifugation technique and on platelets isolated from the peripheral blood, respectively.

Induction of hypoxia / reoxygenation on cell cultures, with subsequent analysis of cellular viability.

Vascular reactivity studies on aortic rings using the myograph.

Good apprehension of Microsoft Office (Word, Excel, Power Point) and Adobe Reader tools and of data statistical analysis programs (GraphPad).

Experienced user of the Zoom and Biorender platforms for both teaching and research purposes.

### Prizes (first author):

2024 – Young Investigator Award, National Congress of the Romanian Society of Pathophysiology with international participation, 2-5 October 2024, Timișoara, Romania

2019 – Margaret Moffat Award for Best Poster in Biomedical Sciences, 6th Meeting of the European Section and 7th Meeting of North American Section of the International Academy of Cardiovascular Sciences (IACS) 2019

2014 – Second place in the Poster section, European Section Meeting of the International Academy of Cardiovascular Sciences (IACS) 2014.

2011 - Second place at the 15-th International "Medis" Congress, Timisoara

2010 - Third place at the 14-th International "Medis" Congress, Timisoara

2009 - First place at the 13-th International "Medis" Congress, Timisoara

### Other awards:

2005 - First place at the County English Olympics

### Scientific activity:

- **First/corresponding author** of 8 ISI papers, 2 BDI papers, 16 papers published in abstract of which 2 in impact-factor journals; **First author** of a Manual for Medical Students

- **Co-author** of 16 ISI papers, 3 BDI papers, 39 papers published in abstract of which 9 in impact factor journals; **Co-author** of 10 Manuals for Medical Students and 3 chapters published in national and international edited volumes

- Reviewer for the "Oxidative Medicine and Cellular Longevity" journal

- *h* index = 10 (ISI WOS, Core Collection)

## Additional information

### Affiliation to professional associations:

Member of the Romanian Society of Pathophysiology

Member of the European Renal Association - European Dialysis and Transplantation Association

Member of the Center for Translational Research and Systems Medicine of the „Victor Babeș” University of Medicine and Pharmacy, Timișoara.

### Cambridge Certificate in English Level 2 (Grade A)