

PERSONAL INFORMATION



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WORK EXPERIENCE

- 2010–Present **Laboratory chemist**
"Victor Babes" University of Medicine and Pharmacy - Pathophysiology Department, 14 Tudor Vladimirescu Str., 1st floor, 300173, Timisoara (Romania)Te
- 2014–2021 **Teaching activity (AMG and BFKT students)**
"Victor Babes" University of Medicine and Pharmacy - Pathophysiology Department, 14 Tudor Vladimirescu Str., 1st floor, 300173, Timisoara (Romania)

EDUCATION

- 2014–2018 **Medical Doctor**
"Victor Babes" University of Medicine and Pharmacy, Timisoara (Romania)
- 2010–2012 **Master degree - Molecular biology and biotechnologies**
"Victor Babes" University of Medicine and Pharmacy, Timisoara (Romania)
- 2004–2009 **Engineering of Inorganic Substances and Environmental Protection**
The Polytechnic University of Timisoara (Romania)

PERSONAL SKILLS

Computer skills

- A good knowledge of Microsoft Office tools and the GraphPad statistics program.

Skills acquired in the workplace

- Study of mitochondrial dysfunction by high resolution respirometry
- Study of ischemia / reperfusion on isolated perfused heart Langendorff type with evaluation of the size of the experimental infarct area by computerized planimetry

SCIENTIFIC ACTIVITY

Member

- Member of Center for Translational Research and Systems Medicine of the "Victor Babes" University of Medicine and Pharmacy, Timisoara (Romania), <https://erris.gov.ro/Center-for-Translational-Res>
- Member of Romanian Society of Pathophysiology

Prizes

- PRIZE FOR POSTER PRESENTATION, Days of the University of Medicine and Pharmacy "Victor Babeş" Timișoara, 15 December 2017, Timișoara, Romania
- FIRST PRIZE FOR POSTER PRESENTATION, *Methylene blue improves vascular function in*

experimental diabetes. From the Conference of the Romanian Society of Pathophysiology, 7-9 September 2017, Cluj-Napoca, Romania.

- PRIZE FOR POSTER PRESENTATION, *Beneficial effects of methylene blue on vascular function in experimental diabetes*, Days of the University of Medicine and Pharmacy "Victor Babeș" Timișoara, 14 December 2017, Timișoara, Romania

Conferences

Participation with poster presentation:

- National Congress of Romanian Society of Pathophysiology with International Participation, "CLASIC ȘI MODERN ÎN FIZIOPATOLOGIE - O abordare integrativă în educație și cercetare", 7 – 10 May 2015, Iași, România
- "Victor Babeș" University Days, 15 December 2016, Timișoara, România
- Conference of Romanian Society of Pathophysiology, 7-9 September 2017, Cluj-Napoca, România.
- "Victor Babeș" University Days, 14 December 2017 în Timișoara, România

Projects

Competences in the experimental fundamental research activity acquired through:

- **Participation as a member in the teams of the following international and national research projects:**

1. National Project - Parteneriat "Formulări de avangardă pe bază de eugenol nanocapsulat cu adresabilitate în medicina dentară" - NANOEUCAPS, cod PN-III-P2-2.1-BG-2016-0455, contract 122BG - 03/10/2016.

2. National Project "O abordare epitoxicogenomica hepatotoxicității cadmiului: un model gasteropod" - EPICAD, cod PN-II-RU-TE2014-4-0776-TE18

3. International Project - Hungary-Romania Cross-Border Cooperation Project "Twinning Project for the Joint Development of the Research Infrastructure" - HURO-TWIN, cod 1101/082/2.2.1, 2013-2014

4. International Project - Hungary-Romania Cross-Border Cooperation Project "Implementation of a Regional Project for Translational Medical Research Concerning Diseases with High Impact in Population – HURO TRANSMED", cod HURO/0901/137/2.2.2, 2011-2012

5. International Project - Hungary-Romania Cross-Border Cooperation Project "Development of the infrastructure for a pole of excellence in cardiovascular research – HURO-CARDIO-POL", cod HURO/0802/011_AF, 2010-2012

6. National Project - Parteneriate în domenii prioritare, "Strategii cardioprotectoare la reperfuție – mitocondria ca multiplă țintă terapeutică" - CARDIO-MITO-PROT, cod 2560/2008, contract 42122/2008, 2008-2011.

- **Participation in training mobilities within the Romanian-Hungarian cross-border cooperation project** "Twinning Project for the Joint Development of the Research Infrastructure" - HUROTWIN, cod 1101/082/2.2.1. Instituația gazdă: University of Szeged, Faculty of Medicine, Department of Pharmacology & Pharmacotherapy, Szeged, Hungary (25.03.2013 - 08.04.2013, 22.07.2013 - 26.07.2013)

PUBLICATIONS

▪ Agoston-Vas, A., Ilie, C., Privistirescu, A., Borza, C. Functional evaluation of oxidative stress parameters in hypoxic premature born infants. *FREE RADICAL BIOLOGY AND MEDICINE*, 2019; 139(S1): S10-S10 IF: 5.657

▪ **Privistirescu, I.A.**, Sima, A., Duicu, O.M., Timar, R., Roșca, M.G., Sturza, A., Muntean, D.M. *Methylene blue alleviates endothelial dysfunction and reduces oxidative stress in aortas from diabetic rats*. *Can J Physiol Pharmacol* 2018 Jun 12;1-5. doi: 10.1139/cjpp-2018-0119. IF: **2,21**

▪ Duicu, O.M., **Privistirescu, A.**, Wolf, A., Petruș, A., Dănilă, M.D., Rațiu, C.D., Muntean, D.M., Sturza, A. Methylene blue improves mitochondrial respiration and decreases oxidative stress in a substrate-dependent manner in diabetic rat hearts. *Can J Physiol Pharmacol* 2017; 95(11): 1376-1382. IF: **2,21**

▪ Nica, D.V., Popescu, C., Draghici, G.A., Andrica, F.M., **Privistirescu, I.A.**, Gergen, I.I., Stöger, R. *High-level dietary cadmium exposure is associated with global DNA hypermethylation in the gastropod hepatopancreas*. *PLoS One*, 2017; 12(9):e0184221. IF: **2.776**

▪ Nica, D., Popescu, C., Draghici, G., **Privistirescu, I.**, Suci, M., Stöger, R. *Effect of cadmium on cytosine hydroxymethylation in gastropod hepatopancreas*. *Environ Sci Pollut Res Int*. 2017;

24(17):15187-15195. **IF: 2.914**

- Dănilă, M.D., **Privistirescu, A.**, Duicu, O., Rațiu, C.D., Angoulvant, D., Muntean D.M., Sturza, A. The effect of purinergic signaling via the P2Y11 receptor on vascular function in a rat model of acute inflammation. **Mol Cell Biochem** 2017; 431: 37-44. **IF: 2,669**
- Duicu, O., Petrus, A., Fendt, M., **Privistirescu, A.**, Sturza, A., Muntean, D., Lighezan, R. *Impairment of platelet mitochondrial respiration in patients with metabolic syndrome: a pilot study.* **European Section meeting of IACS**, 28-30 septembrie 2017, Pecs, Hungary; Programme book pag.71.
- **Privistirescu, A.**, Duicu, O., Petrus, A., Ratiu, C., Ionica, L., Sturza, A., Muntean, D. *Protective effects of methylene blue and MAO inhibitors in experimental diabetes: a candidate (ODD) couple for drug repurposing.* **European Section meeting of IACS**, 28-30 septembrie 2017, Pecs, Hungary; Programme book pag.73.
- Ratiu, C., Pfab, J., Petrus, A., **Privistirescu, A.**, Duicu, O., Muntean, D., Sturza, A. *Monoamine oxidase inhibition improves vascular function and reduces oxidative stress in rats with lipopolysaccharide-induced inflammation.* The Conference of the Romanian Society of Pathophysiology, 7-9 septembrie 2017, Cluj-Napoca, Romania; **Clujul Medical** 90(5): S20. p-ISSN 1222-2119, e-ISSN 2066-8872.
- Duicu, O., Petrus, A., Fendt, M., **Privistirescu, A.**, Sturza, A., Muntean, D., Lighezan, R. *Mitochondrial respiration on platelets is compromised in patients with metabolic syndrome.* The Conference of the Romanian Society of Pathophysiology, 7-9 septembrie 2017, Cluj-Napoca, Romania; **Clujul Medical** 90(5):S23. p-ISSN 1222-2119, e-ISSN 2066-8872.
- **Privistirescu, A.**, Ionica, L., Duicu, O., Sturza, A., Muntean, D. *Methylene blue improves vascular function in experimental diabetes.* The Conference of the Romanian Society of Pathophysiology, 7-9 septembrie 2017, Cluj-Napoca, Romania; **Clujul Medical** 90(5):S87. p-ISSN 1222-2119, e-ISSN 2066-8872.