

## PERSONAL INFORMATION

## MIOC ALEXANDRA TEODORA

 Timisoara, Jud Timiș, Romania

 0256/204476

 alexandra.mioc@umft.ro  
alexandra.petrus@umft.ro

Sex Feminine | Date of birth 06/11/1989 | Nationality Romanian

## WORK EXPERIENCE

From 03.10.2022 - to present

**Associate Professor**

University of Medicine and Pharmacy "Victor Babeș" Timișoara, Romania, Faculty of Pharmacy, Department I, Anatomy, Physiology and Pathophysiology.

- Teaching and research activities

From 15.02.2021 - to 02.10.2022

**Lecturer**

University of Medicine and Pharmacy "Victor Babeș" Timișoara, Romania, Faculty of Pharmacy, Department I, Anatomy, Physiology and Pathophysiology.

- Teaching and research activities

From 17.02.2014 – to 14.02.2021

**Teaching assistant**

University of Medicine and Pharmacy "Victor Babeș" Timișoara, Romania, Faculty of Pharmacy, Department I, Anatomy, Physiology and Pathophysiology.

- Teaching and research activities

## EDUCATION AND TRAINING

From 2016 - present

**PhD**

University of Medicine and Pharmacy "Victor Babeș" Timișoara, Faculty of Medicine, Department III/ Functional Sciences, Pathophysiology, Order of the Ministry of National Education, Nr. 3148 -30.01.2017

From 01.10.2013 – to 07.2016

**PhD student**

University of Medicine and Pharmacy "Victor Babeș" Timișoara, Faculty of Medicine, Department III/ Functional Sciences, Pathophysiology - under the coordination of Prof. Univ. Dr. Danina M. MUNTEAN

- Research activities

From 2008- to 2013

**Pharmacist**

University of Medicine and Pharmacy "Victor Babeș" Timișoara, Romania, Faculty of Pharmacy

## PERSONAL SKILLS

## Communication skills

- High capacity to assimilate new information and skills, negotiation and communication skills, team spirit, sociable, dynamic, creative, ambitious, adaptable, efficient.

**Research activity competences acquired through the participation in national/international trainings:**

1. **Research mobility for doctoral studies** within the POSDRU/159/1.5/S/136893 project. Host institution: University of Szeged, Department of Pharmacology and Pharmacotherapy, Szeged, Hungary. 01.06 – 30.09. 2015
2. **Summer School: “Mitochondrial Physiology - From Organelle to Organism”**. 17-21 august 2015, Copenhagen, Denmark
3. **Workshop: “Translational Research in Mitochondria Disease- From Molecule to Man”**, 16 octombrie 2015, Timișoara, România.
4. **Workshop: “Integrarea Scolilor Doctorale în Retelele Europene”**. 27- 28 mai 2015, Timisoara, România.
5. **Short Term Scientific Mission (STSM) COST project-TD1304** în Biochemistry Department, Radboud Institute for Molecular Life Sciences; Radboud University Medical Center, Nijmegen, The Netherlands (01.09.2016 - 30.10.2016, COST-STSM-TD1304-30794)

## Organisational / managerial skills

Ability to work in a team, very good communication skills, planning, time management and resource management skills. Demonstrated organizational skills and competences by participation as :

**▪ Project manager:**

Internal Grant “VICTOR BABEȘ” University of Medicine and Pharmacy, Timișoara, 2016. (PII-C4-TC-2016): “Screening-ul rezervei funcționale bioenergetice în sângele periferic la pacienții cu hemopatii maligne”.

**▪ Project team member in**

1. Hungary-Romania Cross-Border Co-operation Programme “*Twinning Project for the Development of the Research Infrastructure – HURO-TWIN*”, project no. 1101/082/2.2.1, 2013-2015 2.
2. Projects of Exploratory Research I (IDEI): “*Evaluation of cardioprotective effects of K-ATP channels modulation*” code PCE-2012-4-0512, 2013-2015
3. UMFVBT Institutional Grant - Innovative fundamental research projects, “*New pharmaceutical approaches for modulating the bioavailability of potential chemopreventive flavonoids for malign melanoma*” - FLAVOFORM, project no. PIII-C1-PCFI 2015/2016
4. 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
5. Internal Grant “VICTOR BABEȘ” University of Medicine and Pharmacy, PIII-C5-PCFI-2017/2018: “*Rolul vitaminei D în modularea funcției vasculare și mitocondriale la nivelul țesutului adipos pe model animal și la om*”, 2017-2018.

**Competition winner of a PhD grant** within the POSDRU 159/1.5/S/136893 (2014-2015) project: “Parteneriat strategic pentru creșterea calității cercetării științifice din universitățile medicale prin acordarea de burse doctorale și postdoctorale – DocMed.Net\_2.0”

## Computer skills

Microsoft Windows Office (Word, Excel, Powerpoint), Pharnec, GraphPad

- Ease of learning new programs for data management and statistical analysis

## Technical skills

- High resolution respirometry studies (isolated animal heart mitochondria, permeabilised fibers, adipose tissue, thrombocytes)
- Spectrofluorimetry: calcium retention capacity, oxidative stress
- Langendorff-type studies on rodent-isolated hearts
- *In vitro* studies on normal and cancer cell lines: cell culture, mitochondrial respiration, Western Blot

**BOOKS**

- *Anatomia, fiziologia si fiziopatologia sistemelor: cardiovascular, endocrin, osos, muscular, digestiv, renal*. Savoiu G., Borza C., Serban C., **Petrus A.**, Editura Eurobit, Timisoara, 2014.
- *Anatomie, fiziologie si fiziopatologie. Note de curs pentru Asistentii de farmacie*. **Mioc A.**, Savoiu-Baling G. Editura Victor Babes, Timisoara, 2021.

**BOOK CHAPTERS**

- "Modularea funcției respiratorii mitocondriale ca strategii cardioprotectoare la reperfuzia postischemică". Clasic și modern în fiziopatologie: o abordare integrativă în educație și cercetare. Ed. "Gr.T. Popa", sub red.: Prof. Univ. Dr. Magda Bădescu, Iași, 2015. p. 107-112, ISBN: 978-606-544-310-5.

**POSTGRADUATE COURSES - lecturer**

- Rolul markerilor biochimici și funcționali ai disfuncției endoteliale la pacienții cu boli cardiovasculare. Universitatea de Medicină și Farmacie „Victor Babeș” Timișoara. 2021

Mioc Alexandra, PhD