



## Alkora-Ioana Balan

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**Email address:** [alkora.balan@gmail.com](mailto:alkora.balan@gmail.com) **Phone number:** (+40) 757104588

**Gender:** Female **Date of birth:** 07/01/1994 **Nationality:** Romanian

### WORK EXPERIENCE

[ 2014 – 2016 ] **Volunteer**

*The Students' League*

**City:** Târgu Mureş

**Country:** Romania

[ 26/04/2017 – Current ] **Active participant in the Scientific Circle of Physiology**

*Physiology Department, University of Medicine, Pharmacy, Science, and Technology*

**City:** Târgu Mureş

**Country:** Romania

[ 26/09/2017 – Current ] **University teaching assistant**

*Physiology Department, University of Medicine, Pharmacy, Science, and Technology*

**City:** Târgu Mureş

**Country:** Romania

[ 18/05/2018 – 30/04/2020 ] **Veterinary technician**

*University of Medicine, Pharmacy, Science, and Technology "George Emil Palade"*

**City:** Târgu Mureş

**Country:** Romania

[ 01/11/2020 – Current ] **Research technician**

*University of Medicine, Pharmacy, Science, and Technology "George Emil Palade"*

**City:** Târgu Mureş

**Country:** Romania

### EDUCATION AND TRAINING

[ 01/10/2020 – Current ] **PhD**

*University of Medicine, Pharmacy, Science, and Technology "George Emil Palade"*

**Address:** Târgu Mureş, Romania

[ 28/09/2014 – 20/07/2020 ] **Doctor**

*University of Medicine, Pharmacy, Science, and Technology "George Emil Palade"*

**Address:** Târgu Mureş, Romania

[ 15/09/2009 – 22/06/2013 ] **Graduate**

*Alexandru cel Bun College*

**Address:** Gura Humorului, Romania

## LANGUAGE SKILLS

**Mother tongue(s):** Romanian

**Other language(s):**

**English**

**LISTENING B2 READING B2 WRITING B2**

**SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2**

**French**

**LISTENING B1 READING B1 WRITING B1**

**SPOKEN PRODUCTION B1 SPOKEN INTERACTION B1**

**Spanish**

**LISTENING B2 READING B2 WRITING B1**

**SPOKEN PRODUCTION B1 SPOKEN INTERACTION B2**

## DIGITAL SKILLS

good command of Microsoft Office™ tools

## PUBLICATIONS

**Author**

**Articles published in extenso:**

- Role of Preexisting Proarrhythmic Atrial Remodeling in Post-Coronary Artery Bypass Grafting Atrial Fibrillation. Romanian Journal of Cardiology 2021. 31:597-607.
- Effect of Isoflurane Anesthesia on the Heart Rate and Blood Pressure Response to Autonomic Nervous System Stimulation and Inhibition in Rats. Acta Med Marisiensis 2020. 66:1-15. ISSN 2068-3324.
- Atrial electrical remodeling induced by chronic ischemia and inflammation in patients with stable coronary artery disease. Chin J Physiol 2019. 62(1):11-16. ISSN 0304-4920.
- Atrial fibrillation – an orchestra of classic and modern risk factors. Acta Med Marisiensis 2019. 65(3):80-86. ISSN 2068-3324.

**Abstracts:**

- Impact of chronic ivabradine administration on the parasympathetic nervous system in rats. Romanian Journal of Cardiology S2021.
- Impact of chronic ivabradine administration on atrial arrhythmogenesis and autonomic nervous system in rats. National Congress of the Romanian Society of Physiology. Abstracts 2020:10.
- Chronic hyperpolarization-activated inward current blockade does not affect atrial action potential parameters. Abstracts Book 2019: 155. ISSN 2616-5392.
- The impact of preexisting proarrhythmic changes on the risk of post-coronary artery bypass grafting atrial fibrillation. Romanian Journal of Cardiology 2019. 29:291. ISSN 2392-6910.
- The effect of obesity on proarrhythmic atrial remodeling in patients with stable coronary artery disease undergoing elective coronary artery bypass grafting. Acta Med Marisiensis 2019. 65:6. ISSN 2068-3324.
- The impact of chronic ivabradine administration on transesophageal pacing-induced atrial fibrillation. Clujul medical 2018. 91:S34. ISSN 12222119.
- Blood pressure dipping status - A goal to achieve? Asklepios 2018:184. ISSN 1843-0406.
- Impact of chronic myocardial ischemia and inflammation on atrial proarrhythmic electrical remodeling. Acta Med Marisiensis 2018. 64:5, ISSN 2068-3324.

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### Co-author

- Articles published in extenso as co-author:
- Long-Term Effects of Ivabradine on Cardiac Vagal Parasympathetic Function in Normal Rats. Front Pharmacol 2021. 12:596956.
- Chronic Exposure to High Doses of Bisphenol A Exhibits Significant Atrial Proarrhythmic Effects in Healthy Adult Rats. Romanian Journal of Cardiology 2021. 31:587-595.
- Proarrhythmic atrial structural and molecular remodeling with advancing age. Implications for post-coronary artery bypass grafting atrial fibrillation occurrence. EP Europace 2021. 23:euab116.128.
- Spontaneous atrial fibrillation after long-term transesophageal atrial burst pacing in rats. Technical and procedural approach to a new in vivo atrial fibrillation model. Rev Rom Med Lab 2018. 1:105-112.
- 5 papers at international scientific events
- 15 papers at national scientific events

### CONFERENCES AND SEMINARS

#### Participant

- Training course "Recognition of pain, suffering and distress and its application in the evaluation of severity of the procedures (species specific: mice and rats)", Edition 2, 22 October-31 December 2020.
- National Congress of Cardiology, 60 edition, 22-25.09.2021, Sinaia (România)-Online event
- National Congress of Cardiology, 59 edition, 18-21.09.2020, Sinaia (România)-Online event
- ESC Congress 2020, 29.08-2.09.20, Amsterdam (Olanda)-Online event
- National Congress of Cardiology, 58 edition, 18-21.09.2019, Sinaia (România)
- Treatment of cardiac arrest, 04.04.2019, Chernovtsy (Ucraina)
- Ethical norms in animal experimentation. 25.09.2018, Târgu Mureş (România)
- National Congress of Cardiology, 57 edition, 19-22.09.2018 Sinaia (România)
- The 1st inter-medical school physiology quiz, 09.05.2018, Cluj Napoca (România)
- Medtronic "Fundamentals of Pacing", 18.07.2016, Suceava (România)
- Marisiensis International Scientific Congress, 30.03-3.04.2016, Târgu Mureş (România)
- Coronary angioplasty,intercavitary simulation probes implantation, 11.12.2015, Târgu Mureş (România)
- The National Conference of International Cardiology and Cardiovascular Surgery, ConCORDIS, 9-13.12.2015, Târgu Mureş (România)
- Applied Neuroanatomy Session, 31 Oct 15-1 Nov 2015, Târgu Mureş (România)
- Marisiensis International Scientific Congress, 22 Apr 15-26 Apr 2015, Târgu Mureş (România)

### COMMUNICATION AND INTERPERSONAL SKILLS

#### Communication skills

Participation in a Communication and Public speaking training program held in March-June 2020.