



## **IASMINA-MARIA HÂNCU**

**Citizenship:** Romanian

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### **EDUCATION AND TRAINING**

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#### **Postgraduate Studies - PhD, Department of Pathophysiology**

**"Victor Babeș" University of Medicine and Pharmacy of Timișoara** [01/10 / 2021– Present]

**Address:** 2, Eftimie Murgu Square, Timișoara (Romania)

#### **University Studies - Faculty of Medicine**

**"Victor Babeș" University of Medicine and Pharmacy of Timișoara** [ 21/09/2015 – 10/07/2021 ]

**Address:** 2, Eftimie Murgu Square, Timișoara (Romania)

#### **University Studies - Faculty of Medicine, ERASMUS Scholarship**

**Faculty of Medical and Paramedical Sciences Timone sector (Aix-Marseille University)**

[10/09/2019 – 22/02/2020]

**Address:** Jardin du Pharo, 58 Charles Livon Boulevard, 13007 Marseille, France

#### **Batchelor Studies - Field of study: Natural Sciences Colegiul**

**Național Constantin Diaconovici Loga** [ 2011 – 2015] **Address:**

37, Constantin Diaconovici Loga Boulevard, Timișoara

### **WORK EXPERIENCE**

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#### **Assistant Lecturer**

**"Victor Babeș" University of Medicine and Pharmacy of Timișoara** [02/10 / 2023– Present]

Department III – Functional Sciences, Pathophysiology Discipline

City: Timișoara (Romania)

#### **Resident Physician - Microbiology**

**"Pius Brînzeu" Timiș County Emergency Clinical Hospital** [ 01/01/2022-present] **City:**

Timișoara (Romania)

#### **Volunteer through OUG 197/18.11.2020**

**Clinical Hospital for Infectious Diseases and Pneumophthisiology Dr. Victor Babeș, Department of Anesthesia and Intensive Care** [ 28/01/2021 – 28/05/2021 ]

City: Timișoara (Romania)

#### **ESH (Environment, Safety and Health) Intern**

**Continental Automotive Products SRL** [ 17/08/2020 – 15/10/2020 ]

City: Timișoara (Romania)

## **Tutor - Volunteering in academic development (VADA)**

**Department of Microbiology, “Victor Babeş” University of Medicine and Pharmacy [ 01/09/2017 – 01/06/2020 ]**

**Address:** Timișoara (România)

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### **LANGUAGE SKILLS**

Mother tongue: **Romanian**

Other languages:

**English – C1**

Listening C1 | Reading C1 | Writing C1 | Spoken interaction C1

**French – B2**

Listening B2 | Reading B2 | Writing B2 | Spoken interaction B2

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### **DIGITAL SKILLS**

- Microsoft Office Suite
- Cloud platforms (Google Drive, Dropbox)
- Online communication platforms (Zoom, Google Meet, Google Classroom)
- Information processing and digital communication

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### **ORGANIZATIONAL SKILLS**

- Leadership
- Strong organisational skills
- Pragmatic thinking
- Critical analytical thinking

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### **COMMUNICATION AND INTERPERSONAL SKILLS**

- Good communication skills
- Teaching abilities
- Teamwork
- Empathy
- Creativity
- Sociability

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### **SKILLS ACQUIRED IN THE WORKPLACE**

- Teaching skills
- Proper handling and management of biologically contaminated materials
- First aid competencies
- Persuasion and professional communication skills
- Effective time management
- Strong interpersonal communication abilities
- Teamwork and collaborative skills

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### **CONFERENCES, COURSES AND WORKSHOPS**

#### **Doctoral Research Mobility**

- **STSM CIG16225** – Department of Anaesthesiology, Laboratory of Experimental Intensive Care and Anaesthesiology (L.E.I.C.A.), Academic Medical Centre (AMC), University of Amsterdam, The Netherlands (01 May 2023 – 31 August 2023)

#### **Courses**

- Recent Advances in Laboratory Diagnosis of Bacterial and Viral Infections. Principles of Prophylaxis and Treatment – Postgraduate course [Timișoara, Romania, 13 January 2022 – 18 February 2022]

- Advances in Pathophysiology, Laboratory Diagnosis and Therapy of Cardio-Metabolic Diseases (Timișoara, Romania, 6–12 February 2024) – Lecturer: *Cardioprotective Effects of Antidiabetic Medication*
- Current Aspects of Pathophysiology, Diagnosis, Prognosis and Treatment in Various Acute and Chronic Conditions (Timișoara, Romania, 15–30 March 2024) – Lecturer: *Extraglycemic Effects of Oral Antidiabetic Drugs*
- Advances in Pathophysiology and Paraclinical Diagnosis in Geriatric Pathology (Timișoara, Romania, 3–15 March 2025) – Lecturer: *MAO-Mediated Oxidative Stress in Tumorigenesis – A New Therapeutic Target*
- Advances in Pathophysiology, Screening, Diagnosis and Treatment of Acute and Chronic Conditions (Timișoara, Romania, 14–29 March 2025) – Lecturer: *The Dual Role of Monoamine Oxidase in Tumorigenesis*
- Management of Fungal Infections – Module 1 [Iași, Romania, 11–13 September 2024]

### Congresses and Conferences

- Medis – 25th Edition [Timișoara, Romania, 2–6 April 2025]
- National Congress of the Romanian Society of Pathophysiology – “Tradition in Education and Collaboration in Interdisciplinary Research” [Timișoara, Romania, 2–5 October 2024]
- 16th National Conference of Microbiology and Epidemiology [Bucharest, Romania, 9–11 November 2023]
- 9th European Section Meeting of the International Academy of Cardiovascular Sciences (IACS-ES) [Timișoara, Romania, 4–7 October 2023]
- 2nd IMPACT COST Action Innovation Grant Meeting [Reykjavík, Iceland, 6–8 September 2023]

### Workshops

- HoW & Focus Group UEFISCDI – Adapting Educational Offerings to Labour Market Demands through Evidence-Based Policy Development (Timișoara, Romania, 3 June 2025)

### Webinars

- Advanced Research Webinar of the Doctoral Schools (Timișoara, 5–6 May 2022)

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## PUBLICATIONS

### International Journals

#### Publications as First Author

- Hâncu IM, Giuchici S, Furdui-Lința AV, et al. *The highs and lows of monoamine oxidase as molecular target in cancer: an updated review*. Mol Cell Biochem. 2025;480(6):3225-3252. doi:10.1007/s11010-024-05192-w

#### Publications as Co-Author

- Avram VF, Merce AP, Hâncu IM, et al. *Impairment of Mitochondrial Respiration in Metabolic Diseases: An Overview*. Int J Mol Sci. 2022;23(16):8852. Published 2022 Aug 9. doi:10.3390/ijms23168852
- Bețiu AM, Noveanu L, Hâncu IM, et al. *Mitochondrial Effects of Common Cardiovascular Medications: The Good, the Bad and the Mixed*. Int J Mol Sci. 2022;23(21):13653. Published 2022 Nov 7. doi:10.3390/ijms232113653
- Ionică LN, Lința AV, Bătrîn AD, et al. *The Off-Target Cardioprotective Mechanisms of Sodium-Glucose Cotransporter 2 Inhibitors: An Overview*. Int J Mol Sci. 2024;25(14):7711. Published 2024 Jul 14. doi:10.3390/ijms25147711
- Vulpie S, Licker M, Izmenđi O, et al. *Rapid Syndromic Testing: A Key Strategy for Antibiotic Stewardship in ICU Patients with Pneumonia*. Antibiotics (Basel). 2025;14(5):426. Published 2025 Apr 23. doi:10.3390/antibiotics14050426

### Books

- *Pathophysiology Lab Notes for Medical Students, Vol II, 2022*, ISBN Vol. II: 978-606-786-296-6
- *ÎNDREPTAR PRACTIC DE FIZIOPATOLOGIE CLINICĂ II, 2025*, ISBN Vol. II: 978-606-786-443-4

### International Congresses

#### As First Author

- “*Fungal Infection Of Leg Ulcers – Myth Or Reality*” (25th Scientific Congress of Hellenic Medical Students & 13th International Forum, Thessaloniki, Greece)
- “*Bacterial Strains Isolated from Post-Surgical Infections Diagnosed in an Obstetrics Department in Timișoara*” (34th Fetus As A Patient International Congress, 6th Congress of the Ultrasound Society in Obstetrics and Gynecology, Bucharest, Romania)

### National Congresses

#### – As First Author

- 2nd Meeting of the COST Innovators Grant (CIG) – Improving Preclinical Assessment of Cardioprotective Therapies (IMPACT) IG16225 Network (Reykjavík, Iceland, 6–8 October 2023) – Oral presentation: *Empagliflozin effects on MAO in HF mouse model with or without SGLT2 present*

- 16th National Conference of Microbiology and Epidemiology (Bucharest, Romania, 9–11 November 2023) – Poster: *Study of antimicrobial resistance in patients admitted to an Intensive Care Unit during the SARS-CoV-2 pandemic*
- National Conference of the Romanian Society of Pathophysiology (Timișoara, Romania, 2024) – Poster: *Evaluation Of Empagliflozin-Monoamine Oxidase (MAO) Interaction in a HFmrEF Model Induced in Wild-Type and SGLT2-KO Mice*
- National Conference of the Romanian Society of Pathophysiology (Constanța, Romania, 9–11 October 2025) – Poster: *Assessment of Oxidative Stress in Colorectal Cancer: Focus on Monoamine Oxidase Contribution and Its Interaction With miRNA*

– **As Co-Author**

- 17th National Conference of Microbiology and Epidemiology (Iași, Romania, 7–9 November 2024) – Poster: *Neonatal listeriosis – a challenge in the first days of life*
- “Multi-Resistant Bacteria Associated with Peripheral Chronic Ischemia – Isolated within the Vascular Surgery Department” (1st Prize, 20th CIMSC Edition, Craiova, Romania)
- “The Importance of Lifestyle in the Development of Allergies in Children” (Lifestyle Medicine in Childhood Conference, 2021, online)
- “Easy Method To Avoid Certain Eyelid Surgery” (18th National Congress of Dermatology with International Participation, Sinaia, Romania)
- “*Cryptococcus neoformans* – A Series of Healthcare-Associated Invasive Infections in Immunocompromised Patients” (11th National Conference of Microbiology and Epidemiology, Sibiu; Revista Bacteriologia, Virusologia, Parazitologia, Epidemiologia 1220-3696)
- “Sepsis due to *Erysipelotrix Rusopathiae*: Case Report” (10th National Conference of Microbiology and Epidemiology, 2017)