

CURRICULUM VITAE

Personal information

Name and surname: MIRELA BABA
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Date of birth 02.12.1988

Professional experience

2026- Current
Cardiologist MedLife Hyperclinic

2025- Current
Internal Medicine Specialist MedLife Hyperclinic

2023-2026
Internal Medicine Specialist Deta City Hospital

2022- 2026
Cardiology Resident Physician Institute of Cardiovascular and Heart Diseases of Timișoara

2022-2024
Associate Teaching Assistant University of Medicine and Pharmacy Victor Babeș Timișoara, Internal Medicine and Ambulatory Care

2022-2025
Internal Medicine Specialist Buzatu Medical Center

2022
Internal Medicine Specialist Kineto Klinik

2020 – 2021
Internal Medicine Specialist Moldova Nouă City Hospital

2019-2020
Internal Medicine Specialist Medical Center Nefrotim

2014-2019
Internal Medicine Resident Physician Institute of Cardiovascular and Heart Diseases of Timișoara Department of Cardiovascular Prevention and Recovery

2016-2018

General Medicine Physician Medical Center Explomed

Education and training

2026

Certified Specialist Cardiologist

2025

Board-Certified in Internal Medicine

2023- Current

Member of Association for Research into Arterial Structure and Physiology

2022-2024

Member of the VascAgeNet (COST Action CA18216)

2021

Certification in General Ultrasound

2021- Current

Associate Member of Centre for Translational Research and Systems Medicine

2020- Current

PhD Student University of Medicine and Pharmacy Victor Babeş in Timișoara

2019

Certified in Internal Medicine

2007-2013

Faculty of Medicine Student, University of Medicine and Pharmacy Victor Babeş in Timișoara

Publications

2026

First Author Age-dependent lipid–cardiovascular interplay in patients at high and very high cardiovascular risk

J Clin Med. 2026;15(6):2192.

2026

Co-author Estimated pulse wave velocity as a marker of blood-pressure-dependent arterial load and ventricular-vascular interaction in severe aortic stenosis before and after transcatheter aortic valve replacement.
J Cardiovasc Dev Dis. 2026;13(4):149.

2026

Co-author Metabolic drivers of valve calcification and atrial remodeling in calcific aortic stenosis
Biomolecules. 2026;16(2):251.

2025

First Author Crosstalk between metabolic biomarkers and pulse wave analysis in hypertensive patients
Biomedicines. 2025;13(7):1514.

2025

Co-author Clinical significance of TAPSE/PASP ratio in risk stratification for aortic stenosis patients undergoing transcatheter aortic valve replacement
J Cardiovasc Dev Dis. 2025;12(12):468.

2024

Pulse wave velocity is correlated with plasma creatinine levels and glomerular filtration rate in patients with cardiovascular risk factors
33rd ESH Scientific Meeting – Hypertension & Cardiovascular Protection 31 May- 3 June 2024. Berlin, Germany

2024

The impact of transcatheter aortic valve replacement on the dynamics of arterial hypertension in the elderly
33rd ESH Scientific Meeting – Hypertension & Cardiovascular Protection 31 May- 3 June 2024. Berlin, Germany

2024

Pulse wave analysis variables can predict atrial fibrillation, hypertension, heart failure and bundle branch blocks
33rd ESH Scientific Meeting – Hypertension & Cardiovascular Protection 31 May- 3 June 2024. Berlin, Germany

2024

Serum lipids and pulse wave analysis variables in patients with normal and early vascular aging
National Congress of the Romanian Society of Pathophysiology. 2-5th October 2024

2023

First Author The Impact of the Blood Lipids Levels on Arterial Stiffness
J. Cardiovasc. Dev. Dis. 2023, 10, 127.

2023

Pulse wave analysis in young study participants
32nd European Meeting on Hypertension and Cardiovascular Protection. June 23-26, 2023. Milan Italy

2023

Association between Intima-Media Thickness (IMT) measured by echotracking with cholesterol in naïve hypertensive patients
October 5-7, 2023, Bonn Germany

2022

Cardiovascular, Comorbidity and Metabolic Scores and Vascular Function in Hospitalized Patients
31st Meeting on Hypertension and Cardiovascular Protection. June 17-20, 2022. Athens, Greece

Conferences, seminars and courses

- Updates in the pathophysiology, screening, diagnosis, and treatment of acute and chronic conditions, organized by the Department of Pathophysiology of Victor Babeş University of Medicine and Pharmacy (2025)
- CardioCulture Timișoara Conference (2025)
- The Complicated Myocardial Infarction Course (2025)
- **Workshop and Working Group Meeting** - Network for Research in Vascular Ageing (VascAgeNet) (Riga, Latvia, 2024)
- **33rd ESH Scientific Meeting** – Hypertension & Cardiovascular Protection (Berlin, Germany, 2024)
- CardioCulture Timișoara Conference (2024)
- Current aspects of pathophysiology, diagnosis, prognosis, and treatment in various acute and chronic conditions, organized by the Department of Pathophysiology of Victor Babeş University of Medicine and Pharmacy (2024)
- **ARTERY23 Conference** (Bonn, Germany, 2023)
- **Short Term Scientific Mission, Acquisition, management and handling of arterial stiffness data in a longitudinal study – fostering collaboration to increase consistency of data between different countries and laboratories, Network for Research in Vascular Ageing (VascAgeNet)** (Valencia, Spain, 2023)
- **32nd ESH Scientific Meeting** – Hypertension & Cardiovascular Protection (Milan, Italy, 2023)

- **Training school, Vascular Ageing: bridging physiology and clinical practice via knowledge and new technology**, Network for Research in Vascular Ageing (VascAgeNet) (Limassol, Cyprus, 2023)
- **Working Group Meeting**, Network for Research in Vascular Ageing (VascAgeNet) (Limassol, Cyprus, 2023)
- SMARTDIAB National Conference – Patient-Centered Management of Diabetes Mellitus(2023)
- The Ideal Approach to Anemia and Iron Deficiency (2023)
- **Training school, Vascular Ageing: Assessment Methods and Clinical Aspects** Vascular Ageing: Assessment Methods and Clinical Aspects (Thessaloniki, Greece, 2022)
- Clinical Lipidology - Controversies and Novel Concepts (2022)
- Vascular Protection in Atherosclerosis (2022),
- Course From A to High Blood Pressure (2022),
- Course Biology of the Depression, Clinical Aspects and Management (2022),
- Conference of Romanian Society of Arterial Hypertension (2021),
- Spring Conference of Romanian Society of Cardiology (2021),
- Outlook on Symptomatology in Chronic Venous Insufficiency (2020),
- Course Management in Cardiovascular Prevention (2018),
- Course STEMI Guideline - proofs and controversies (2018),
- Practical Course of Carotid Ultrasound (2017),
- The 4th Romanian Iron Academy (2017),
- Interdisciplinary National Conference NephroCarDia (2016),
- National Conference of Diffuse Interstitial Pneumonia (2015),
- Symposium Practical Decisions in Stable Angina Pectoris and Heart Failure (2015),
- National Conference Update in Arterial Hypertension (2015).

Volunteering

2022-2023

Everything for your heart – Screening program to identify patients with cardiovascular risk factors, National Institute of Public Health, Romania

2022-2024

Working group 1: Dynamic exchange, CA18216 – Network for Research in Vascular Ageing (VascAgeNet)

2022-2024

Working group 2: Physiological and technical background – from bench to bedside, CA18216 - Network for Research in Vascular Ageing (VascAgeNet)

Communication and interpersonal skills

- Effective patient communication and counseling,
- Strong interdisciplinary communication,
- Scientific communication and presentation skills.

Languages

- Romanian C2,
- English C1,
- Serbian C1,
- Spanish B1,
- German B1.

Hobbies and interests

- Reading,
- Traveling,
- Fitness.