


PERSONAL INFORMATION	SORINA MIHAILA BALDEA
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	<p>Sex Female Date of birth 05/07/1981 Nationality Romanian</p>

JOB APPLIED FOR POSITION

Candidatura Board Societatea Romana de Cardiologie

WORK EXPERIENCE

2019 - Present

Senior Lecturer in Cardiology

University of Medicine and Pharmacy Carol Davila
Teaching activity, Research activity

August 2019 – present

Primary Physician in Cardiology

Emergency & University Hospital Bucharest, Bucharest, Romania.
Current medical activity, Teaching activity, Research activity

December 2014 – present

Assistant Professor in Cardiology

University of Medicine and Pharmacy Carol Davila
Teaching activity, Research activity

October 2012 – August 2019

Specialist in Cardiology

Emergency & University Hospital Bucharest, Bucharest, Romania.
Current medical activity, Teaching activity, Research activity

January 2013 – December 2014

Research Fellow in Cardiology and Three-dimensional Echocardiography

Department of Cardiac, Toracic and Vascular Sciences; University of Padova, Italy
Clinical and research activity in the field of three-dimensional echocardiography; teaching;

EDUCATION AND TRAINING

- 2023-2026 **Board member of the Romanian Society of Cardiology**
- October 2020 – Present **President of the Working Group of Echocardiography and Other Imaging Modalities**
Romanian Society of Cardiology
- 2018 – 2020 **Secretary of the Working Group of Echocardiography and Other Imaging Modalities**
Romanian Society of Cardiology
- December 2018 – December 2020 **EACVI Heart Imagers of Tomorrow Committee member**
- December 2016 – December 2018 **EACVI Heart Imagers of Tomorrow Committee member**
- December 2014 – December 2016 **Ambassador for the EACVI Heart Imagers of Tomorrow Committee**
- January 2013 – December 2014 **Research Fellow in Cardiology and Three-dimensional Echocardiography**
Department of Cardiac, Toracic and Vascular Sciences; University of Padova, Italy
Training and research in three dimensional transthoracic and transesophageal echocardiography
- 18 August 2014 **Doctor Diploma (PhD)**
University of Medicine and Pharmacy „Carol Davila”, Bucharest (Romania), Ministry of Education and Research, Bucharest (Romania), MEN 441/18.08.2014
PhD thesis title: „Quantitative Analysis of Mitral Annulus Geometry and Dynamics Using Three-Dimensional Transthoracic Echocardiography”
- 20 December 2012 **Certificate of Specialist in Cardiology**
Ministry of Health (Romania)
- 1 January 2007 – 20 December 2012 **Training in Cardiology**
The Emergency and University Hospital of Bucharest (Romania)
- September 2006 **Diploma of Doctor Medic**
University of Medicine and Pharmacy „Carol Davila”, Bucharest (Romania)
- October 2000 – September 2006 **The University of Medicine**
University of Medicine and Pharmacy „Carol Davila”, Bucharest (Romania)
- September 1996 - July 2000 **„Mihai Eminescu” College**
Buzau (Romania) – First of the year promotion; Profile Chemistry – Biology

PERSONAL SKILLS

Native language Romanian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
French	A2	A2	A1	A2	A2

Italian	B2	B1	B1	B1	A2
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Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
 Common European Framework of Reference for Languages

Communication skills Good adaptation and communication skills due to the grants that required living and working outside the country (more than 3 years abroad, mainly Italy);
 Good speaker skills in both romanian and english language (multiple oral presentations at national and international congresses, and teaching courses).

Organisational / managerial skills **Good organisational skills and work accomplishment** proved by:

- Co-director of Imagine heART edition I, II, and III (with Dragos Vinereanu and Bogdan Alexandru Popescu) – „Advanced Multimodality Imaging in Heart Failure”, an International Course in collaboration with Mayo Clinic and EACVI 2020-2021;
- Director of the EACVI Heart Imagers of Tomorrow Teaching Course „Basic knowledge in advanced cardiovascular imaging”, Sinaia 2016
- Research team member for a HORIZON 2020 Research Grant: Improve CPTV „Improving Diagnosis and Treatment of Catecholaminergic Polymorphic Ventricular Tachycardia: Integrating Clinical and Basic Science”
- 1 research and 1 training grant in Padova, Italy (2 years, 2012-2014)
- Grant POSDRU for PhD fellows between 2013-2014 (159/1.5//S/141531)
- Project leader of a Grant for Young Researchers from the University of Medicine and Pharmacy „Carol Davila”, Bucharest (Romania), 2012-2014
- Member of research projects in collaboration with: Echocardiography Laboratory of Padova; Echocardiography Laboratory of CHU Liege (NORRE, POMAR)

Job-related skills

Clinical experience:

- Daily medical activity in the Echocardiography Laboratory of the Emergency and University Hospital of Bucharest, Cardiology Department (2006-2012 and 2014-2022) and Azienda Ospedaliera di Padova, Dipartimento di Cardiologia (2012-2014): bi- and three-dimensional transthoracic and transesophageal echocardiography; speckle tracking and tissue doppler echocardiography; pharmacological stress echocardiography; vascular echocardiography, the evaluation of arterial stiffness and endothelial function; (more than 2000 transthoracic echos; 500 transesophageal echos; 300 emergency vascular echos)
- Daily medical activity in the Cardiology and Cardiovascular Surgery Department of the Emergency and University Hospital of Bucharest, including 3 years activity in the Coronary Care Unit
- Clinical and imaging activity in the Invasive Cardiology Unit (TAVI, PFO and ASD closure)
- Activity in the EKG Stress Tests Laboratory for myocardial ischemia (more than 200 exams)
- Activity in the Rythm Monitoring Laboratory (more than 1000 exams)
- Shifts in the Emergency Room (2006-2012 and 2014-2022)

Teaching and research experience:

- Work with medicine students (4th and 6th year)
- The supervisions and correction of the student's
- The supervision of LicenceThesis in Cardiology (6th year students)
- Teaching courses (Padova, Italy – 2012-2014; Istanbul, Turkey - 2014; Romania, Sinaia – 2014-2022; Romania, Timisoara - 2016; Romania, Bucharest – 2020-2022; Austria, Viena;)
- Leader/member in research projects (details in Research Projects)

Computer skills

- Current user of Microsoft Office™ (Word, Excel, PowerPoint)
- Current user of IOS (Pages, KeyNote, Numbers)
- Current user of statistic programs SPSS si MedCalc
- Current user of graphic programs GraphPrism, Photoshop, Adobe Illustrator

Driving licence Driving licence B category

ADDITIONAL INFORMATION

Grants

Jun 2026 (ongoing) - Grant Excellency Centres, CCCDI – UEFISCDI, PROJECT no PN-IV-P6-6.1-CoEx-2024-0029, within PNCDI (20.000.000 euro) – key member of the team.

25 Feb – 25 May 2024 – Mobility Grant CEEC; University of Medicine and Pharmacy Carol Davila Bucharest, Invited Professor at the University of Bicocca Milano, Italy (Project Leader; 6000 euro).

August 2020 - August 2022: PROHEART 3D - „Advanced multimodality imaging in patients with heart failure with reduced ejection fraction” (Project TE 137/2020)

- Grant duration: 2 years
- Role: Project leader
- Financial resource: ministry of national education and research
- Financial value 431.286 RON (90.000 EUR)

12 July - 12 September 2019: Mobility Grant from the University of Medicine and Pharmacy Carol Davila Bucharest. “Feasibility and prognostic value of two- and three-dimensional left ventricular ejection fraction quantification with a fully automated algorithm for endocardial border detection to stratify the risk of major arrhythmic events in patients with left ventricular systolic dysfunction”. Contract PFE_23/2018.

- Research activity at the Department of Thoracic and Cardiovascular Sciences, University of Padova, Italy, supervised by Dr. Luigi Paolo Badano, former president of the EACVI).
- Role: Project leader
- Grant duration: 2 months
- Financial support: UMF Carol Davila
- Funds: 3000 E

October 2018 – October 2020 - INNATE - Targeting immune mechanisms for a better risk stratification and to identify new medical targets in patients with acute myocardial infarction. Project no 5/2018.

- Grant duration – 2 years
- Role: Member of the research team
- Financial resource – ministry of national education and research
- Financial value – 8.500.000 RON (1.770.800 EUR)

2018 - 2020: Dezvoltarea de BIONanotehnologii bazate pe Veziculele Extracelulare, aplicabile in diagnosticul precoce, prognosticul si terapia bolii Aterosclerotice” (BIOVEA) 83/PCCDI 2018; Grant PN-III-P1-1.2-PCCDI2017-0527.

- Coordinator: Institutul de biologie si patologii celulare „Nicolae Simionescu”;
- Partner: UMF Carol Davila Bucharest Romania
- Role: Member of the research team
- Grant duration: 24 months
- Financial support: UMF Carol Davila
- Financial value: 1.140.843 RON (250.000 EUR)

September 2016-September 2020 - Research team member for an HORIZON 2020 Research Grant: Improve CPTV „Improving Diagnosis and Treatment of Catecholaminergic Polymorphic Ventricular Tachycardia: Integrating Clinical and Basic Science”

May 2014 – Grant from the POSDRU project for PhD fellows 159/1.5/S/141531, University of Medicine and Pharmacy Carol Davila, Bucharest (Romania), supervised by Prof. Dragos Vinereanu.

- Grant duration: 16 months
- Financial source: university of medicine and pharmacy „carol davila”, bucharest (romania)
- Financial value: 1.800 ron/month (9.600 EUR)

January 2014 - European Society of Cardiology Training Grant; clinical and research activity at the University of Padova, Italy, the Department of Cardiac, Thoracic and Vascular Sciences, supervised by Dr. Luigi Paolo Badano.

- Grant duration: 9 months
- Financial support: european society of cardiology
- Financial value: 18.500 e
- Publications: 2 papers as a first author in international ISI journals (Int J of Cardiovascular Imaging 2014. 32(2):279-90, and Eur H J Of Cardiovascular Imaging 2016; 17:918-929)

October 2012 – Grant for Young Researchers won by contest from the University of Medicine and Pharmacy Carol Davila Bucharest (Romania); „The evaluation of the subclinical cardiac dysfunction in patients with growth hormone deficiency”; research activity at the Emergency University Hospital of Bucharest, supervised by Prof. Dragos Vinereanu.

- Grant duration: 24 months
- Financial support: UMF Carol Davila Bucharest Romania
- Financial value: 26.800 ron
- Publications: abstracts as posters and oral communications at national and international congresses, published in isi journals (63) si cncsis/b+ (9); 1 original paper published in the canadian journal of cardiology

December 2011 – European Association of Cardiovascular Imaging Research Grant; research activity in three dimensional transthoracic and transesophageal echocardiography, University of Padova, Italy, the Department of Cardiac, Thoracic and Vascular Sciences, supervised by Dr. Luigi Paolo Badano.

- Grant duration: 12 months
- Financial support: european association of cardiovascular imaging
- Financial value: 25.000 e
- Publications: 1 original paper as first author and 2 papers as co-author in isi journals (j am am soc echocardiogr. 2014;27(8):846-57); j am soc echocardiogr. 2014;27(8):858-71 e1; rev espanol de cardiologia aug;67(8):651-8);
- 1 chapter book: springer 2014. Secondary Mitral Regurgitation at a glance. Lancellotti et al

Research projects

2016: Research team member for an **HORIZON 2020 Research Grant:** Improve CPTV („Improving Diagnosis and Treatment of Catecholaminergic Polymorphic Ventricular Tachycardia: Integrating Clinical and Basic Science”)

2014: „The added value of three-dimensional echocardiography in patients with heart failure with reduced ejection fraction”, Principal Investigator

2014: „Redefining cardiac chamber size and function in patients with heart failure with preserved ejection fraction by three-dimensional echocardiography”, Principal Investigator

2014: **The impact of atrial shape on atrial volume calculations using the two-dimensional discs’ summation and area-length algorithms: a three-dimensional echocardiography study**”, multicentre study Italy-Romania-Iran (Dr. LP Badano, Dr. S. Mihaila, and Dr. Anita Sadeghpour)

2013-2014: Sub-investigator in the Research project **POMAR** – „Progression and Outcome of Secondary Mitral Regurgitation”, lead by Patrizio Lancellotti, Liege (Belgium)

2013-2014: Sub-investigator in the projects “The evaluation of functional tricuspid regurgitation using three dimensional echocardiography”, lead by Luigi Paolo Badano, Padova (Italy)

2013-2014: Project Manager of the research project “**Quantitative Analysis of Normal and Pathological Mitral Annulus Geometry and Dynamics Using Three Dimensional Transthoracic Echocardiography**”, University of Padova (Italy)

2012-2014: Sub-investigator in the research project: “**The evaluation of the cardiac and vascular functions using special echocardiographic techniques in patients with liver cirrhosis**”

2013: Sub-investigator in the research project **NORRE** – “Normal Reference and Ranges in Echocardiography” lead by Patrizio Lancellotti, Liege (Belgium)

2010-2014: Leader of the research project “ **The evaluation of the cardiac, arterial and endothelial function in adults with growth hormone deficiency**”, project in collaboration with the Emergency and University Hospital of Bucharest – The Endocrinology Institute “CI Parhon”, Bucharest (Romania)

2009-2010: Sub-investigator in the **AISHA** study – “**Alterations of the cardiac, arterial and endothelial function in hypertensive and diabetic patients**”, lead by Prof. Dragos Vinereanu, Bucharest (Romania)

Publications

40 original papers peer review journals:

- 29 original papers in ISI journals with impact factor (10 as first and/or corresponding author)
- 11 publications in journals from Romania indexed CNCSIS B/B+

3 international book-chapter (Springer 2014, and 2016)

6 national book-chapters

Co-editor for 3 national books

195 published abstracts:

- 130 abstracts published in ISI journals (30 as a first author, mainly to Euroecho and ESC congresses)
- 75 abstracts published in journals from Romania indexed CNCSIS B/B+, Italy or Brazil

(The list of publications and other scientific activities is in the CV annexes)

Reviewer

Canadian Journal of Cardiology
Journal of the American Society of Echocardiography
International Journal of Cardiovascular Imaging
Endocrine Journal
Scandinavian Journal of Cardiology
Maedica
Acta Endocrinologica

Conferences

52 oral presentations at national/international congresses, teaching courses, and workshops

- Romanian Society of Cardiology from 2012-2026
- European Society of Cardiology Congress from 2009-2026
- Euroecho from 2009-2026
- SIEC Torino Italy 2013
- Anunus Europeană 2002-2013 <http://europass.cndefon.europa.eu>
- 300 3D echo Congress Padova, Italy 2015-2016, etc
- Imagine Heart course – 2020-

36 invited conferences at national/international congresses:

- University of Medicine and Pharmacy „Carol Davila” Congress, Bucharest from 2016-2026
- Spring Cardiology Conference of the Romanian Society of Cardiology, Sibiu Romania, from 2015-2026
- Euroecho from 2009-2026
- Cardiodiab Poiana Brasov
- Cardioculture Timisoara
- Zilele George Georgescu Iasi (2024-2025)
- Cardiogal Conference 2025-2026

Minimal 8 invited conferences as lector for teaching courses:

- EACVI Heart Imagers of Tomorrow Teaching Course: „Basic knowledge in advanced cardiovascular imaging”, Sinaia, Romania 2016
- „Transesophageal echocardiography for beginners. A teaching course”, Euroecho Congress Sevilla, Spain 2015
- „Transesophageal echocardiography for beginners. A teaching course”, Euroecho Congress Vienna, Austria 2014
- „Intensive course in three-dimensional echocardiography”, Padova, Italy, 2014 (2 presentations);
- „Transesophageal echocardiography for beginners. A teaching course”, Euroecho Congress Istanbul, Turkey 2013
- „Intensive course in three-dimensional echocardiography”, Padova, Italy 2013 (2 presentations);

Other research activities

Subinvestigator in international multicentric studies

BAX DUO PREVENT, EASI reduced, EASI preserved, MARITIME, HERMES, ZEUS, FINEARTS, EMPACT MI, ARISTOTLE, REDEEM, ROCKET, STABILITY, ATLAS, APPRAISE, PARADIGM-HF, IMPACT, COMPASS, PARAGON, AEGIS, FINEART, EMPACT MI

Study monitor

IMPACT, COMPASS,

Subinvestigator for the „**First Romanian Registry of Myocardial Infarction with ST elevation**”, Bucharest (Romania);

Study coordinator : AEGIS, FINEARTS, OCEAN AF, EVEREST and INCLINE

Current research activities:

- three-dimensional echocardiography studies in patients with secondary tricuspid regurgitation
- three-dimensional echocardiography studies in patients with right ventricular dysfunction
- the added value of three-dimensional echocardiography in patients with heart failure with reduced ejection fraction
- the added value of three-dimensional echocardiography in patients with heart failure with preserved ejection fraction
- the evaluation of the mitral valve and mitral annulus in patients with organic and functional mitral regurgitation using three dimensional transthoracic echocardiography
- the evaluation of functional tricuspid regurgitation severity using three dimensional transthoracic echocardiography
- feasibility and reproducibility of echocardiographic methods in the current cardiology practice
- reference values for the evaluation of cardiac structures using three dimensional transthoracic echocardiography

Post-university courses

Multimodality imaging intensive course - Venice (Italy), May 2013;

Intensive course for three dimensional transthoracic echocardiography - University of Padova (course directors: Luigi Paolo Badano and Denisa Muraru), April 2013;

4D Echo & Multidimensional Imaging – Vivid Club, Vienna (Austria), April 2013;

Post-graduate course “Introduction to Good Clinical Practice, ICH-GCP”, Bucharest (Romania), October 2010

„Clinical applications of echocardiography:old and new”. Teaching course with live demonstrations, Bucharest (Romania) 2010

Update in cardiovascular medicine, Dubrovnik (Croatia), October 2009

Member of professional societies

Board Member of Romanian Society of Cardiology – 2023-2026

European Association of Cardiovascular Imaging (EACVI) – **Committee member of EACVI Heart Imagers of Tomorrow: Dec 2014-2020**

President of the Working Group of Cardiovascular Imaging – Romanian Society of Cardiology (SRC)

European Society of Cardiology (ESC)

ESC Valvular Working Group

Working group of echocardiography of the Romanian Society of Cardiology

Romanian College of Doctors (CMR)

External references

Dr. Luigi Paolo Badano, MD, PhD, FESC, FACC.

Immediate Past President of the European Association of Cardiovascular Imaging (EACVI), Chair of the EACVI International Affairs Committee, Department of Cardiac, Thoracic and Vascular Sciences; University of Padova, Via Giustiniani 2, 35123, Padova, Italy. Phone: +39 329 832 4847; Fax: +39 049 821 1802.

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DATE: 19th of June 2026

SIGNATURE:



