

December 2, 2024

CURRICULUM VITAE
Ovidiu Constantin Baltatu, MD PhD



Professor of Medical Sciences

Founding Member of the Biotechnology Advisory Board at the
Technology Park of São José dos Campos, Brazil

Editorial Board Member of *Frontiers in Translational Medicine*, *Frontiers in Integrative Physiology*, and *Medicine®* (Baltimore)



PROFILE

Experienced clinical and translational MD-PhD scientist passionate about digital transformation, big data, innovative diagnostics, therapeutics, and disease prevention strategies.

Key Highlights:

- Diverse Work Experience: Biotech, pharma, and academia, with a comprehensive understanding of sector challenges.
- Extensive Scientific Expertise: Deep knowledge across various disease areas, employing a multidisciplinary approach.

Academic Achievements:

- Impactful Research: Recognized with 10000+ citations ([Google Scholar](#), h-index: 41, i10-index: 77), 4 patents, 9 book chapters, and numerous scientific presentations.
- Mentorship and Coordination: Guided 30+ theses and dissertations, shaping the careers of aspiring researchers.

Experience:

- Leadership and Team Development: Leading cross-functional teams, project management, and personnel development in multicultural environments.
- Academic-Industry Collaborations: Facilitating collaborations, contributing to education and internationalization strategies.

Specialties:

- Cardiovascular-Renal and Metabolic Research: Expertise in the interplay between cardiovascular, renal, and metabolic systems.
- Medical Physiology & Pharmacology: Strong foundation in understanding disease mechanisms and developing targeted interventions.

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PRESENT POSITIONS	
<p>Professor of Physiological Sciences College of Medicine, Alfaisal University, Riyadh, Saudi Arabia</p> <ul style="list-style-type: none"> • Spearheading interdisciplinary research projects in biomedical sciences. • Collaborating with international research institutions to advance scientific knowledge. • 	2024 – present
<p>Founding Member of the Health and Biotechnology Advisory Board Technology Park São José dos Campos – Center for Innovation in Health Technologies (CITS), Sao Jose dos Campos, Brazil</p> <ul style="list-style-type: none"> • Co-founded and currently serving on the Valle do Paraíba Health and Biotechnology Advisory Board, fostering entrepreneurship and supporting the development of innovative intellectual property (IP) among startups. • Provide strategic guidance, leverage biotechnology expertise, and offer entrepreneur support to facilitate the formation and growth of successful biotechnology and pharmaceutical companies. • Advocate for programs and networking opportunities that enable startups to thrive and positively impact the industry. • Contribute to advancing the biotech sector, promoting innovation, and driving economic growth through collaborations and stakeholder engagement. 	2021 – present
<p>Professor of Medical Sciences Center of Innovation, Technology and Education (CITE), Anhembi Morumbi University, Sao Jose dos Campos, Brazil</p> <ul style="list-style-type: none"> • Faculty Member of Graduate Research in Biomedical Engineering: Currently overseeing and mentoring master's, doctorate, and post-doctorate students, providing guidance, supervision, and evaluation for their practical research work. • National Delivery of Anima Core Curriculum: Successfully delivering the Anima Core Curriculum on "English for Specific Purposes (ESP) and Digital Thinking" at a national level. • Pioneered Latin America's First Course on Professional Communication in English: Established and led the first-ever course in Latin America focused on enhancing medical students' professional communication skills in English. • Expert Evaluator for ANVISA (The Brazilian Health Regulatory Agency): Contributed expertise as an evaluator for ANVISA at Fiocruz Brasília, Brazil, participating in regulatory decision-making processes. • Medical School Board Member: Served as a valued member of the Medical School Board, actively involved in accrediting a newly established Medical College in Sao Jose dos Campos. 	2016 – present

PROFESSIONAL EXPERIENCE

<p>Adjunct Clinical Professor College of Medicine & Health Sciences (CMHS) - Khalifa University, Abu Dhabi, United Arab Emirates</p> <ul style="list-style-type: none"> • Participation in Departmental Projects and Initiatives: Actively engaged in collaborative research projects and other departmental initiatives, contributing to the advancement of knowledge and interdisciplinary collaboration. • Mentoring/Advising Learners: Provided guidance and mentorship to learners, offering valuable insights and support to help them succeed in their academic and professional journeys. 	2021 – 2003
<p>Assistant Dean of Biotechnology, Professor of Pharmacology & Therapeutics College of Medicine & Health Sciences (CMHS) - Khalifa University, Abu Dhabi, United Arab Emirates</p> <ul style="list-style-type: none"> • Member of the Abu Dhabi Health, Research and Technology Council (ADHRTC): Actively participated in the council, contributing to shaping health, research, and technology policies and initiatives in Abu Dhabi. • Assistant Dean Biotechnology of CMHS: Provided strategic direction, advice, and training on intellectual property, industry collaboration, and technology commercialization to University management, researchers, and students, fostering innovation and entrepreneurship. • Founding Chair, Animal Research Oversight Committee: Established and led the Animal Research Oversight Committee, ensuring ethical and responsible conduct of animal research within the institution. • Vice-chair of the Institutional Review Board of Khalifa University: Served as the vice-chair of the Institutional Review Board, ensuring ethical considerations and compliance in research involving human subjects. • Course Director for Research, Technology & Innovation: Led the development and delivery of the "Research, Technology, and Innovation" curriculum strand for the newly established Medical College, equipping future healthcare professionals with the necessary skills for cutting-edge research and technological advancements. 	2020 – 2021
<p>Leader for Research, Technology & Innovation, Professor of Pharmacology & Therapeutics College of Medicine & Health Sciences - Khalifa University, Abu Dhabi, United Arab Emirates</p> <ul style="list-style-type: none"> • Pioneered the establishment of Khalifa University's College of Medicine and Health Sciences, the first medical college in Abu Dhabi, addressing the region's need for world-class healthcare and research advancements • Played a crucial role in strategic planning, resource allocation, and collaboration with key stakeholders to lay the foundation for the College • Conducted rigorous research projects and collaborated with interdisciplinary teams to generate groundbreaking discoveries and develop innovative approaches to healthcare challenges • Actively fostered collaborations with regional and international partners to drive innovation, knowledge exchange, and scientific advancements <p>Established fruitful partnerships, attracted funding for research initiatives, and created platforms for sharing best practices and expertise</p>	2019 – 2020

<p>Head of Technology & Innovation Center of Innovation, Technology and Education – (CITE), Sao Jose dos Campos Technology Park, Brazil</p> <ul style="list-style-type: none"> • Led technology and innovation initiatives at the Center for Innovation in Health Technologies (CITS) • Provided scientific consultancy services to the pharmaceutical and biotechnology industry • Drove innovation and advancements in the field through strategic guidance and insights • Collaborated with industry partners to integrate emerging technologies into healthcare practices • Bridged the gap between academia, industry, and government sectors for collaboration and knowledge exchange • Identified funding opportunities and forged partnerships to support technology-driven initiatives • Fostered entrepreneurship and mentorship to translate scientific discoveries into practical solutions 	2011 – 2019
<p>Professor of Biomedical Sciences Center of Biomedical Engineering, University Camilo Castelo Branco (actual Brasil University), Sao Jose dos Campos, Brazil</p> <ul style="list-style-type: none"> • Faculty Member of Graduate Research in Biomedical Engineering: Oversaw and mentored graduate students pursuing master's, professional doctorate, and post-doctorate degrees, ensuring the practical accomplishment of professional work. Provided supervision, mentoring, evaluation of learning, and teaching to support their research endeavors. • Faculty Member of the School of Medicine and Health Sciences: Taught foundational subjects such as medical physiology, pharmacology, and molecular biology to students in the School of Medicine and Health Sciences. Mentored students in the Scientific Initiation Program, fostering their research skills and scholarly development. • Utilized Effective Teaching Methods: Utilized active learning methods, including team-based learning, case studies methodology, project-based learning, interactive seminars, mock trials, journal club, and scientific initiation, to engage students and facilitate a dynamic learning environment. Employed Blackboard as a digital learning platform to enhance instructional delivery and student engagement. • Chair of the Human Research Ethics Committee: Led the Human Research Ethics Committee at Camilo Castelo Branco University, overseeing an interdisciplinary group of scientists responsible for reviewing the bioethical aspects of research conducted within the university. Coordinated the committee's activities to ensure ethical compliance in research projects. 	2010 – 2016
<p>Senior Director Biology The Medicines Company Ltd. (MDCO, Leipzig), Deutscher Platz 5d, 04103, Leipzig, Germany</p> <ul style="list-style-type: none"> • Identified potent serine protease inhibitors (CU2010 backup) at MDCO as replacements for aprotinin, a surgical blood loss medication that was withdrawn from the market in 2007. • Coordinated the design and implementation of non-clinical studies in collaboration with academic groups or contract research organizations (CROs), ensuring the successful execution of preclinical research activities. 	Feb 2009– Mar 2010

<ul style="list-style-type: none"> • Provided scientific medical support for clinical studies, offering expertise and guidance to ensure the proper conduct of clinical trials and the accurate interpretation of results. • Identified and cultivated strategic partnerships with global and national key opinion leaders (KOLs), establishing collaborative relationships that supported the advancement of research and development goals. • Evaluated personnel, facilities, and methods to ensure their suitability and effectiveness, facilitating the optimization of resources and operational efficiency. • Provided expertise in the evaluation of potential licensing or collaboration opportunities, assessing the viability and value of partnerships and collaborations for MDCO. • Oversaw resource planning and management, ensuring efficient allocation and utilization of resources to support research and development initiatives. 	
<p>Senior Scientific Expert Speedel Ltd., Basel, Switzerland</p> <ul style="list-style-type: none"> • At Speedel, we successfully developed the first in a class of drugs called direct renin inhibitor (Aliskiren) and a new generation of orally active renin inhibitors. • Collaborated with Speedel as the Leader of the Physiological Genomics Lab at the Max-Delbrück-Center for Molecular Medicine (MDC) in Berlin, beginning in 2002. • Held responsibility for multiple pre-clinical drug discovery projects and served as an advisor to clinical studies spanning phases I to III. • Developed and implemented comprehensive strategies for drug development projects, ensuring efficient and effective progress throughout the development lifecycle. • Identified and validated target disease models, designing and executing clinically-relevant preclinical studies to further characterize the mechanism of action of novel drugs. Engaged in translational research to bridge the gap between preclinical and clinical phases. • Conducted research to clarify and elucidate the mode of action of drugs, employing reverse translational research approaches to gain a deeper understanding of their mechanisms. • Provided specific scientific and medical expertise in the design, analysis, and interpretation of clinical studies, contributing to the generation of robust and meaningful clinical data. • Identified and cultivated relationships with external partners, including academia, research institutes, and contract research organizations (CROs), fostering collaborations to enhance research and development efforts. 	<p>Mar 2006– Jan 2009</p> <p>Speedel was acquired by Novartis in July 2008 for \$900 millions.</p>
<p>Professor of Medical Sciences Institute of Research and Development, Universidade do Vale do Paraiba (UNIVAP), Brazil</p> <ul style="list-style-type: none"> • Taught and conducted translational research in medical, biomedical and health sciences at the Institute of Research and Development, Universidade do Vale do Paraiba (UNIVAP), Brazil • Developed comprehensive curriculum on biomedical engineering, ensuring high-quality education • Mentored students in research projects, fostering their skills and knowledge • Collaborated with interdisciplinary teams to enhance research outcomes Published research findings in reputable scientific journals, contributing to 	<p>2005 – 2006</p>

the field's knowledge	
<p>Assistant Professor in Medical Physiology Dept. of Physiology, College of Medicine & Health Sciences, Sultan Qaboos University, Al Khod, Sultanate of Oman</p> <ul style="list-style-type: none"> • Focused research efforts on hypertension, with a special emphasis on the Nizwa Hypertension Project involving Bedouin families. • Developed and delivered courses on medical physiology, incorporating up-to-date knowledge and practical applications. • Mentored students in research projects related to hypertension, fostering their skills and knowledge in the field. • Collaborated with interdisciplinary teams to explore the underlying mechanisms and risk factors associated with hypertension. 	2004 – 2005
<p>Senior Scientist – Leader of Physiological Genomics Lab Max-Delbrück-Center for Molecular Medicine (MDC) in Berlin, Germany</p> <ul style="list-style-type: none"> • Visiting Scientist and Postdoctoral Fellow: Initiated involvement at the Max-Delbrück-Center for Molecular Medicine as a visiting scientist and subsequently served as a postdoctoral fellow. • Established a Physiological Genomics Lab: Established and led a cutting-edge Physiological Genomics Lab dedicated to researching cardiovascular and metabolic diseases. Conducted research spanning molecular biology, integrative physiology, and translational approaches. • Identified New Roles and Functional Relevance of Cardiovascular Peptides: Pioneered research in the identification and characterization of new roles and functional relevance of cardiovascular peptides, with a particular focus on the renin-angiotensin system. 	1994 – 2004
<p>Assistant Professor in Medical Physiology Dept. of Physiology, University of Medicine "Gr.T.Popa" Iasi, Romania</p> <ul style="list-style-type: none"> • Teaching Responsibilities: Delivered courses in Physiology at the Faculties of Medicine and Dentistry, covering topics in basic and applied human physiology, as well as general and systems physiology. • Focus on Cardiovascular Research: Conducted research in the field of cardiovascular physiology, exploring topics related to the cardiovascular system and its functions. Contributed to the advancement of knowledge in this area through research activities. 	1991 – 2000

EDUCATION

<p>M.D. (Medical Doctor) Faculty of Medicine, Grigore T. Popa University of Medicine and Pharmacy Iași, Romania</p> <p>Coursework:</p> <ul style="list-style-type: none"> • Basic Medical Sciences (3 years duration) • Clinical Sciences (3 years duration) <p>Dissertation: "Neuroendocrinological Changes under Physical and Emotional Stress"</p>	1984 – 1990
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Specialization: General Medicine

Ph.D. (Doctor in Medical Sciences – Physiology)

1993 – 1998

Faculty of Medicine, Grigore T. Popa University of Medicine and Pharmacy Iași, Romania

The research presented to obtain this degree was accomplished at the Max-Delbrück Center for Molecular Medicine, Berlin, Germany

Dissertation: "Studies on the brain renin-angiotensin system"

Specialization: Medical Physiology

LANGUAGES

- English – full professional proficiency
- Portuguese – very good
- French – good
- German – good
- Romanian – native

RESEARCH SUPPORT

Melatonin physiology and pathophysiology, basic and clinical studies: characterization of the primary and secondary Hypomelatoninemia Syndromes São Paulo Research Foundation thematic grant to José Cipolla Neto: Grant number: 19/24327-5	2021-2026 Study Director
Cross Sectional Study: Health and well-being of professional football players and athletes during the Covid-19 Pandemic lockdown Main Partner: Abu Dhabi Sport Council	2020-2021 Principal Investigator
Multi-Center Prospective Cohort Study: Impact of Burnout on Cardiovascular and Immune Biomarkers among Frontline Healthcare Professionals During Covid-19 Pandemic Grant supported by the Khalifa University of Science and Technology: Award No. CPRA-2020-034	2020-2021 Principal Investigator
“Cardiovascular Risk Factors in Noncommunicable Diseases” Grant supported by the Khalifa University of Science and Technology: Award No. FSU-2020-33	2020-2021 Principal Investigator
Melatonin and the regulation of energy metabolism: basic, clinical and epidemiological research São Paulo Research Foundation thematic grant to José Cipolla Neto: Grant number: 14/50457-0	2015-2020 Study Director
Functional biomarkers in extracranial vascular disease São Paulo Research Foundation regular grant	2014-2016 Principal Investigator
Sexual dimorphism in diabetes mellitus-induced end-organ damage São Paulo Research Foundation regular grant	2011-2013 Principal

	Investigator
Drug Research & Development Program for Serine Protease Inhibitors and Antithrombotic Drugs The Medicines Company AG – R&D budget approved by the board of directors	2009-2010 Senior Director
Drug Research & Development Program for Direct Renin Inhibitors Preclinical pharmacology, proof-of-concept, new indications, safety studies Speedel AG – R&D budget approved by the board of directors	2006-2009 Project Director Sponsor
"New Drug Testing for Hypertension and Cardiovascular Diseases – Preclinical Drug Development" Speedel AG – collaboration grant	2002-2004 Study Director Sponsor
"Renal Ischemia in transgenic Rats with Kallikrein-Overexpression" DAAD-Grant within the framework of Program „Acciones Integradas Hispano-Alemanas“ (Pis: Dr. M. Bader - Germany and Dr. Nelida Balboa – Spain	2002 – 2003 Collaborator
"Analysis of Brain Renin-Angiotensin System in the Pathogenesis of Hypertension using Genetically-Modified Animal Models" DFG-Grant (BA 1374/5-1) PI: Dr. M. Bader	2000 – 2003 Co-Principal Investigator
"Trans cutaneous drug delivery in Hypertension – preclinical study" HEXAL AG collaboration grant	2000-2002 Study Director
"Functional Analysis of Angiotensin-producing Enzymes" DAAD-Grant within the framework of PROBRAL-Programs (PIs: Dr. M. Bader - Germany and Dr. JL Pesquero – Brazil)	2000 – 2003 collaborator
"Androgen-Regulation of Genes in the Central Nervous System" BMBF (German Federal Ministry of Education and Research) -Research Grant with Schering AG ("Androgen: New Pathways und Targetgene"; FKZ 0310681 B)	1999 – 2002 Investigator
"Roles of the Brain Renin-Angiotensin System in Cardiovascular Regulation" Grant from the Society of Clinical Pharmacology Berlin/Brandenburg grant	1998-1999 Principal Investigator

ACADEMIC ACTIVITIES AND PROFESSIONAL MEMBERSHIP

Member of the Consortium of Universities for Global Health (CUGH)	2022 –
International Society of Hypertension (ISH), Member	2013 –
The William Harvey International Translational Research Academy (WHRI- ACADEMY) Project Proposals Reviewer	2014 –
Brazilian Society of Physiology (SBFis), Member	2010 –
"Biomedical Research Center "Gr.T.Popa"" at the University of Medicine "Gr.T.Popa" Iasi, Romania – Founder and General Secretary	2010 – 2019
Fellow of the American Heart Association (FAHA)	2008 – 2012

International Physiology Committee of the APS, Member	2008 – 2010
American Heart Association (AHA), Premium Member	2007 – 2014
The American Physiological Society (The APS), Member	2004 – 2014

FELLOWSHIPS / AWARDS

UAM-Anima Academic Recognition Homage	2023
Research Productivity (PQ) Fellow granted by the National Council for Scientific and Technological Development (CNPq), Brazil	2023 – 2026
Frontiers in Physiology 2021 Outstanding Associate Editor Award – Specialty Section Integrative Physiology	2021
17th Professional Academic Excellence Award with Highlight in Academic Production by Anhembi Morumbi University – Laureate International Universities	2019
Research Productivity (PQ) Fellow granted by the National Council for Scientific and Technological Development (CNPq), Brazil	2019 – 2022
Research Productivity (PQ) Fellow granted by the National Council for Scientific and Technological Development (CNPq), Brazil	2013 – 2016
Fellow of the American Heart Association (FAHA)	2008
IUPS Travel Award - 35th Congress of the International Union of Physiological Sciences	2005
Travel Grant Award - 7 th European Research Conference on Blood Pressure and Cardiovascular Disease (ECCR)	2002
Young Investigator Award - 18 th Scientific Meeting of the International Society of Hypertension	2000
Society of Clinical Pharmacology Berlin/Brandenburg Fellowship	1998-1999

PUBLICATIONS

Peer-Reviewed Journals

1. [From science to society: Exploring the nexus between obesity research and public awareness in Brazil.](#)

Lafetá Pinto Santos S, Miyabara R, Ghimouz R, Dobre M, Brateanu A, Campos LA, Baltatu OC. *Heliyon*. 2024 Sep 18;10(19):e37968. doi: 10.1016/j.heliyon.2024.e37968. eCollection 2024 Oct 15. PMID: 39398069 Q1 IF 3.4

2. [Global, regional, and national burden of stroke and its risk factors, 1990-2021: a systematic analysis for the Global Burden of Disease Study 2021.](#)

GBD 2021 Stroke Risk Factor Collaborators. *Lancet Neurol*. 2024 Oct;23(10):973-1003. doi: 10.1016/S1474-4422(24)00369-7. PMID: 39304265 Q1 IF 46.5

3. [High-frequency chest wall oscillation devices: An umbrella review and bibliometric analysis.](#)

Marin A, Chiaradia VC, Dobre M, Brateanu A, Baltatu OC, Campos LA. *Comput Biol Med*. 2024 Sep 16;182:109135. doi: 10.1016/j.compbiomed.2024.109135. Online ahead of print. PMID: 39288556 Review. Q1 IF 7

4. [Global estimates on the number of people blind or visually impaired by Uncorrected Refractive Error: a meta-analysis from 2000 to 2020.](#)
Vision Loss Expert Group of the Global Burden of Disease Study; GBD 2019 Blindness and Vision Impairment Collaborators. *Eye (Lond)*. 2024 Aug;38(11):2083-2101. doi: 10.1038/s41433-024-03106-0. Epub 2024 Jul 4. PMID: 38965322 Q1 IF 4.456
5. [Global estimates on the number of people blind or visually impaired by glaucoma: A meta-analysis from 2000 to 2020.](#)
Vision Loss Expert Group of the Global Burden of Disease Study; GBD 2019 Blindness and Vision Impairment Collaborators. *Eye (Lond)*. 2024 Aug;38(11):2036-2046. doi: 10.1038/s41433-024-02995-5. Epub 2024 Apr 2. PMID: 38565601 Q1 IF 4.456
6. [The burden of neurological conditions in north Africa and the Middle East, 1990-2019: a systematic analysis of the Global Burden of Disease Study 2019.](#)
GBD 2019 North Africa and the Middle East Neurology Collaborators. *Lancet Glob Health*. 2024 Jun;12(6):e960-e982. doi: 10.1016/S2214-109X(24)00093-7. Epub 2024 Apr 8. PMID: 38604203 Q1 IF 19.9
7. [Burden of disease scenarios for 204 countries and territories, 2022-2050: a forecasting analysis for the Global Burden of Disease Study 2021.](#)
GBD 2021 Forecasting Collaborators. *Lancet*. 2024 May 18;403(10440):2204-2256. doi: 10.1016/S0140-6736(24)00685-8. PMID: 38762325 Q1 IF 98.4
8. [Global burden and strength of evidence for 88 risk factors in 204 countries and 811 subnational locations, 1990-2021: a systematic analysis for the Global Burden of Disease Study 2021.](#)
GBD 2021 Risk Factors Collaborators. *Lancet*. 2024 May 18;403(10440):2162-2203. doi: 10.1016/S0140-6736(24)00933-4. PMID: 38762324 Q1 IF 98.4
9. [Global burden of 288 causes of death and life expectancy decomposition in 204 countries and territories and 811 subnational locations, 1990-2021: a systematic analysis for the Global Burden of Disease Study 2021.](#)
GBD 2021 Causes of Death Collaborators. *Lancet*. 2024 May 18;403(10440):2100-2132. doi: 10.1016/S0140-6736(24)00367-2. Epub 2024 Apr 3. PMID: 38582094 Q1 IF 98.4
10. [Global fertility in 204 countries and territories, 1950-2021, with forecasts to 2100: a comprehensive demographic analysis for the Global Burden of Disease Study 2021.](#)
GBD 2021 Fertility and Forecasting Collaborators. *Lancet*. 2024 May 18;403(10440):2057-2099. doi: 10.1016/S0140-6736(24)00550-6. Epub 2024 Mar 20. PMID: 38521087 Q1 IF 98.4
11. [Global age-sex-specific mortality, life expectancy, and population estimates in 204 countries and territories and 811 subnational locations, 1950-2021, and the impact of the COVID-19 pandemic: a comprehensive demographic analysis for the Global Burden of Disease Study 2021.](#)
GBD 2021 Demographics Collaborators. *Lancet*. 2024 May 18;403(10440):1989-2056. doi: 10.1016/S0140-6736(24)00476-8. Epub 2024 Mar 11. PMID: 38484753 Q1 IF 98.4
12. [Global, regional, and national burden of disorders affecting the nervous system, 1990-2021: a systematic analysis for the Global Burden of Disease Study 2021.](#)
GBD 2021 Nervous System Disorders Collaborators. *Lancet Neurol*. 2024 Apr;23(4):344-381. doi: 10.1016/S1474-4422(24)00038-3. Epub 2024 Mar 14. PMID: 38493795 Q1 IF 46.5
13. [Evidence for the druggability of aldosterone targets in heart failure: A bioinformatics and data science-driven decision-making approach.](#)

Salgado Rezende de Mendonça L, Senar S, Moreira LL, Silva Júnior JA, Nader M, Campos LA, Baltatu OC. *Comput Biol Med.* 2024 Mar;171:108124. doi: 10.1016/j.compbio.2024.108124. Epub 2024 Feb 13. PMID: 38412691 Q1 IF 7

14. [High and low pitch sound stimuli effects on heart-brain coupling.](#)

von Jakitsch CB, Pinto Neto O, Pinho TOR, Ribeiro W, Pereira R, Baltatu OC, Osório RAL. *Biomed Eng Lett.* 2023 Dec 13;14(2):331-339. doi: 10.1007/s13534-023-00340-5. eCollection 2024 Mar. PMID: 38374900 Q2 IF 3.2

15. [Global Burden of Cardiovascular Diseases and Risks, 1990-2022.](#)

Mensah GA, Fuster V, Murray CJL, Roth GA; [Global Burden of Cardiovascular Diseases and Risks Collaborators.](#) *J Am Coll Cardiol.* 2023 Dec 19;82(25):2350-2473. doi: 10.1016/j.jacc.2023.11.007. PMID: 38092509 Q2 IF 21.7

16. [Global burden of peripheral artery disease and its risk factors, 1990-2019: a systematic analysis for the Global Burden of Disease Study 2019.](#)

[GBD 2019 Peripheral Artery Disease Collaborators.](#) *Lancet Glob Health.* 2023 Oct;11(10):e1553-e1565. doi: 10.1016/S2214-109X(23)00355-8. PMID: 37734799 Q1 IF 19.9

17. [Global, regional, and national burden of diabetes from 1990 to 2021, with projections of prevalence to 2050: a systematic analysis for the Global Burden of Disease Study 2021.](#)

[GBD 2021 Diabetes Collaborators.](#) *Lancet.* 2023 Jun 22;S0140-6736(23)01301-6. doi: 10.1016/S0140-6736(23)01301-6. PMID: 37356446 Q1 IF 98.4

18. [Determinants of cervical spine disorders in military pilots: a systematic review.](#)

Al Rumaithi M, Al Qubaisi M, Al Suwaidi M, Al Zaabi F, Campos LA, Baltatu OC, Al Tunajji H. *Occup Med (Lond).* 2023 Jun 14;kqad067. doi: 10.1093/occmed/kqad067. PMID: 37312576 Q2 IF 2.4

19. [The burden of metabolic risk factors in North Africa and the Middle East, 1990-2019: findings from the Global Burden of Disease Study.](#)

Malekpour MR, Abbasi-Kangevari M, Ghamari SH, Khanali J, Heidari-Foroozan M, Moghaddam SS, Azangou-Khyavy M, Rezazadeh-Khadem S, Rezaei N, Shobeiri P, Esfahani Z, Rezaei N; [GBD 2019 North Africa and the Middle East MRF Collaborators;](#) Mokdad AH, Naghavi M, Larijani B, Farzadfar F. *EClinicalMedicine.* 2023 Jun 2;60:102022. doi: 10.1016/j.eclinm.2023.102022. eCollection 2023 Jun. PMID: 37287869 Q1 IF 9.6

20. [Effect of air pollution on disease burden, mortality, and life expectancy in North Africa and the Middle East: a systematic analysis for the Global Burden of Disease Study 2019.](#)

[GBD 2019 North Africa and the Middle East Air Pollution Collaborators](#) *Lancet Planet Health.* 2023 May;7(5):e358-e369. doi: 10.1016/S2542-5196(23)00053-0 Q1 IF 24.1

21. [Global burden of chronic respiratory diseases and risk factors, 1990–2019: an update from the Global Burden of Disease Study 2019](#)

[GBD 2019 Chronic Respiratory Diseases Collaborators](#) *eClinicalMedicine Online First,* 2023 Q1 IF 9.6

22. [Quantitative cardiac autonomic outcomes of hydrotherapy in women during the first stage of labor.](#)

Dias RA, de Faria Cardoso C, Ghimouz R, Nono DA, Silva JA Jr, Acuna J, Baltatu OC, Campos LA. *Front Med (Lausanne).* 2023 Jan 3;9:987636. doi: 10.3389/fmed.2022.987636. eCollection 2022 Q1 IF 3.1

23. [Sexual Dimorphism in the Expression of Cardiac and Hippocampal Renin-Angiotensin and Kallikrein-Kinin Systems in Offspring from Mice Exposed to Alcohol during Gestation.](#)
da Silva GA, Atum ALB, de Matos LP, Nasuk GR, de Jesus BC, Gouveia TLF, Baltatu OC, Zamuner SR, Silva Júnior JA.
Antioxidants (Basel). 2023 Feb 21;12(3):541. doi: 10.3390/antiox12030541. Q1 IF 6
24. [Multiplatform-Integrated Identification of Melatonin Targets for a Triad of Psychosocial-Sleep/Circadian-Cardiometabolic Disorders.](#)
Campos LA, Baltatu OC, Senar S, Ghimouz R, Alefishat E, Cipolla-Neto J.
Int J Mol Sci. 2023 Jan 3;24(1):860. doi: 10.3390/ijms24010860 Q1 IF 4.9
25. [Editorial: Methods and applications in integrative physiology.](#)
Baltatu OC, Chen CY, Caluori G.
Front Physiol. 2022 Nov 30;13:1096216. doi: 10.3389/fphys.2022.1096216. eCollection 2022.
26. [Burnout and Cardiovascular Risk in Healthcare Professionals During the COVID-19 Pandemic.](#)
Alameri F, Aldaheri N, Almesmari S, Basaloum M, Albeshr NA, Simsekler MCE, Ugwuoke NV, Dalkilinc M, Al Qubaisi M, Campos LA, Almahmeed W, Alefishat E, Al Tunaiji H, Baltatu OC.
Front Psychiatry. 2022 Apr 4;13:867233. doi: 10.3389/fpsy.2022.867233. eCollection 2022.
27. ["Involve Me and I Learn": Active Learning in a Hybrid Medical Biochemistry First Year Course on an American-Style MD Program in the UAE.](#)
O'Sullivan S, Campos LA, Baltatu OC.
Med Sci Educ. 2022 Apr 19;1-7. doi: 10.1007/s40670-022-01545-6.
28. [Urinary Angiotensinogen-Melatonin Ratio in Gestational Diabetes and Preeclampsia.](#)
Valias GR, Gomes PRL, Amaral FG, Alnuaimi S, Monteiro D, O'Sullivan S, Zangaro R, Cipolla-Neto J, Acuna J, Baltatu OC, Campos LA.
Front Mol Biosci. 2022 Mar 2;9:800638. doi: 10.3389/fmolb.2022.800638. eCollection 2022.
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Patents

1. Inventor(s): Baltatu O; Schumacher C; Zaugg C.
 Title: Composition, useful to treat e.g. hypertension and nephropathy, comprises fluoro-phenyl-pyrrolidinyloxy-phenyl-methoxypropyl-dihydro-2H-benzo-oxazin-yl-methoxy-piperidin-3-ol diastereomer, a therapeutic agent e.g. diuretic and a carrier
 Patent Number: WO2009127251-A1
 Patent Assignee: NOVARTIS AG
2. Inventor: Schumacher Christoph; Zaugg Christian; Baltatu Ovidiu
 Applicant: Novartis Ag; Schumacher Christoph; Zaugg Christian; Baltatu Ovidiu
 Title: Combinations comprising a renin inhibitor
 Patent Office: World Intellectual Property Office (WIPO). Patent Collaboration Treaty (PCT) Patents. Document Number: 2009/127251 Publication date : 2009-10-22
3. Inventor: Schumacher Christoph; Huxley Alice; Zaugg Christian; Baltatu Ovidiu
 Applicant: Speedel Pharma Ag; Schumacher Christoph; Huxley Alice; Zaugg Christian; Baltatu Ovidiu
 Title: Pharmaceutical composition using aliskiren and avosentan
 Patent Office: World Intellectual Property Office (WIPO). Patent Collaboration Treaty (PCT) Patents. Document Number: 2008/077916 Publication date : 2008-07-03
4. Inventors: Friptu V., Ghicavii V., Sofroni D., Diug E., Cardaniuc C., Todiraş M., Guţu L., Stratu E., Nacu L., Balţatu O."S-ethylisothiuronium (Izoturon) as a local compound against bleeding in uterine myoma"
 Document Number: 2323 (13) F1 A 61 K 31/00, 31/155; A61P 15/04 MOLDAVIA 2003

INVITED AND ORAL PRESENTATIONS AT SCIENTIFIC MEETINGS
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- 2024 Invited Speaker "From Data to Action: Health Literacy/ Dos Dados à Ação: Literacia em Saúde"
 Conferência Internacional de Medicina Afya - CONIMA, Hybrid Event
- 2024 Invited Speaker "Artificial Intelligence in Medicine: Friend or Foe?/ Inteligência Artificial na Medicina: Amiga ou Inimiga?"
 Afya Global Meeting, Hybrid Event
- 2023 Invited Speaker "Beyond Medicine: Expanding Career Horizons for Medical and Healthcare Graduates / Além da Medicina: Expandindo os Horizontes de Carreira para Graduados em Medicina e Saúde"
 Afya Global Meeting, Hybrid Event
- 2023 Invited Speaker "The MedTech Revolution and Digital Transformation / A revolução da MedTech e a transformação digital"
 Conferência Internacional de Medicina Afya - CONIMA, Hybrid Event
- 2023 Invited Speaker "Digital Natives and Immigrants: Charting the Path to Healthcare Innovation in the MedTech Era / Nativos Digitais e Imigrantes: Traçando o Caminho para a Inovação em Saúde na Era da MedTech"
 III Congresso de Inovação e Internacionalização do Centro Universitário UNINOVAFAPI, Hybrid Event
- 2022 Invited Speaker "Are We There Yet? International Academic Ventures"
 2nd AFYA Global Meeting – Congresso Interinstitucional e Multidisciplinar de Internacionalização do Ensino Superior, Online Seminar

- 2021 Invited Speaker “Curso de Imersão: Evidências sobre melatonina – online” XVIII Congresso Paulista de Medicina do Sono, Online Seminar
- 2021 Invited Speaker “Internacionalização - Por Que e Como” AFYA Global Meeting – Congresso Interinstitucional e Multidisciplinar de Internacionalização do Ensino Superior, Online Seminar
- 2021 Invited Speaker “Direitos e Regulamentos Para Vacinação Durante Tempos de Pandemia” (Rights and regulations for vaccination during times of pandemic) at “IX Seminário Internacional: a fundamentalidade dos direitos processuais no contexto pandêmico da Universidade de Itaúna”, Online Seminar
- 2019 Invited Speaker “The Heart in the Rhythm of the Night” at the Symposium “Melatonin, from basics concepts to clinical application”, II Pan American Congress of Physiological Sciences – “PHYSIOLOGY WITHOUT BORDERS” II PANAM-2019 – Havana, Cuba
- 2015 Invited Speaker “Sex-dependent differences in renal angiotensinogen as an early marker of diabetic nephropathy” at the Kinin 2015 - International Meeting on Kinin System and Peptide Receptors – Sao Paulo, Brazil
- 2014 Invited Speaker “Angiotensinogênio urinário como biomarcador da nefropatia diabética” at the 11^o Congresso Paulista de Diabetes e Metabolismo (CPDM) – Guarujá, Brazil
- 2012 Invited Speaker “Genetic manipulation in drug research and development” at the 6th International Symposium on Hypertension and 4th Vascular Risk Workshop (HTA 2012) – Santa Clara, Cuba
- 2010 Invited Delegate World Health Summit – Berlin, Germany
- 2008 Oral Presentation “Efficacy and Safety of the Oral Renin Inhibitor SPP635 Once Daily in Patients with Mild to Moderate Hypertension” hot topic at Hypertension 2008, joint congress 18th Scientific Meeting of the European Society of Hypertension and the 22nd Scientific Meeting of the International Society of Hypertension – Berlin, Germany
- 2008 Oral Presentation “Preclinical pharmacokinetic and pharmacodynamic characterization of SPP635, a new direct renin inhibitor” – oral presentation as a hot topic
- 2007 Invited Speaker “The development and challenges of renin inhibition” at 12th European Research Conference on Blood Pressure and Cardiovascular Disease (ECCR) – Nice, France
- 2004 Invited Speaker “Brain Renin-Angiotensin System” at 20th Scientific Meeting of the International Society of Hypertension – Sao Paulo, Brazil
- 2004 Invited Speaker “Brain Renin-Angiotensin System – Lessons from Physiological Genomics” at Vasoactive Peptides Symposium – Ouro Preto, Brazil
- 2001 Invited Speaker “Brain renin-angiotensin System” at IVth International Symposium of Vasoactive Peptides, Minas Gerais, Brasil
- 2001 Oral Presentation “NMDA Receptors Mediate Angiotensin II Effects on Blood Pressure in Nucleus Tractus Solitarius” at the 55th Annual Fall Conference and

Scientific Sessions of the Council for High Blood Research (AHA) – Chicago, USA.

- 1999 Oral Presentation “Altered blood pressure response to chronic but not acute angiotensin II administration in transgenic rats with low brain angiotensinogen” at the 4th European Research Conference on Blood Pressure and Cardiovascular Disease (ECCR) – Noordwijkehout, The Netherland
- 1999 Oral Presentation “Attenuation of angiotensin II-induced hypertension in transgenic rats with low brain angiotensinogen” at “Transgeneur” Meeting – Edinburgh, Scotland
- 1999 Meeting Organizer - Balkan Symposium on Clinical Pharmacology – Berlin, Germany
Organizers: Detlev Ganten, Eberhard Engler, Michael Bader, Ovidiu Baltatu
- 1998 Invited Speaker “Pathophysiological significance of tissue RAS” at Italian Forum on Renin-Angiotensin System – Rapallo, Italy
- 1998 Oral Presentation “Circadian rhythms of blood pressure and heart rate: differential regulatory mechanisms” at XIIIth World Congress of Cardiology – Rio de Janeiro, Brazil
- 1998 Oral Presentation “Cardiovascular and fluid-electrolyte alterations in transgenic rats with reduced angiotensinogen in the brain” at “Transgeneur” Meeting – Paris, France
- 1998 Oral Presentation “Local renin-angiotensin system in the pineal gland” at Turkish-German-Italian Joint Meeting on Hypertension & Atherosclerosis – Antalia, Turkey
- 1998 Invited Speaker “Renin-angiotensin system and the brain” at the Conference “100 Years of the Renin-Angiotensin System: Past accomplishments – Future Prospects” – Rome, Italy
- 1997 Oral Presentation “Phenotype of transgenic rats expressing antisense-RNA against angiotensinogen in the brain” at the Scientific Meeting of the German Institute for High Blood Pressure Research – Berlin, Germany
- 1997 Oral Presentation “Transgenic inhibition of brain angiotensinogen leads to diabetes insipidus syndrome” at the 51st Annual Fall Conference and Scientific Sessions of the Council for High Blood Research (AHA) – Washington, USA

INVITED LECTURESHIPS AND OTHER ACADEMIC ACTIVITIES

- | | |
|------|---|
| 2024 | 2° Science & Business Connection COLMEIA, Sao Jose dos Campos Technology Park, Brazil
Member of Scientific Committee |
| 2024 | Uninovafapi Semana de Desenvolvimento Docentes da Medicina
Lecture: “The Rise of AI in Medicine: Impact, Ethics and Education / A Ascensão da IA na Medicina: Impacto, Ética e Educação” |
| 2023 | 1° Science & Business Connection COLMEIA, Sao Jose dos Campos Technology Park, Brazil
Member of Scientific Committee |

- 2021 15º Encontro Científico da Universidade Anhembi Morumbi
Member of Scientific Committee
- 2021 Faculdade de Direito de Conselheiro Lafaiete-FDCL – Semana Internacional
Sobre Conflitos Armados
Lecture: “Internacionalização e suas dimensões no ensino superior”
- 2021 Centro Universitário Uninovafapi, Teresina - PI, Brazil – Uninovafapi Congresso
de Internacionalização e Inovação
Lecture: “Internacionalização nos Meios Academicos - Por Que e Como”
- 2019 Khalifa University, Abu Dhabi, UAE – CMHS Distinguished Lecture Series
Lecture: “Translational Medicine: Developing Renin Inhibitors”
- 2019 Cleveland Clinic Abu Dhabi, Abu Dhabi, UAE – Heart and Vascular Grand Rounds
Lecture: “Renin Inhibition Research and Development”
- 2018 2018 VI CAUAM - Congresso Acadêmico Universitário de Atuação Médica,
Anhembi Morumbi University, São Paulo, Brazil
Member of the Scientific Evaluation Committee
- 2017 Nove de Julho University (UNINOVE) – Progama de Pos-Graduacao em
Medicina, São Paulo, Brazil
Lecture: “P&D dos Inibidores Diretos da Renina – Pesquisa Translacional”
- 2015 Universidade Estadual do Piauí – Centro de Ciências da Saúde (CCS), Teresina,
Brazil
Lecture: “Pesquisa e Desenvolvimento de Biomarcadores para Doenças -
Transferindo da Bancada à Prática Médica”
- 2015 PEX – Programa de Experiencia Faculdade Integral Diferencial FACID –
Universidade DeVry, Teresina, Brazil
Lecture: “Pesquisa e Desenvolvimento de Biomarcadores para Doenças -
Transferindo da Bancada à Prática Médica”
- 2015 Liga Academica de Genetica Molecular Faculdade Mauricio de Nassau. Teresina,
Brazil
Pesquisa e Desenvolvimento de Biomarcadores para Doencas: Transferindo da
Bancada a Pratica Medica. 2015. (Encontro).
- 2013 Tulane Hypertension & Renal Center of Excellence & Department of Medicine,
Section of Endocrinology
Seminar: "Renal Angiotensinogen as a Potential Biomarker in Diabetic
Nephropathy"
- 2013 Universidade Santa Cecília (Unisanta), o II Encontro Nacional de Pós-Graduação
Seminar: "Pesquisa e Desenvolvimento de Biomarcadores para Doenças –
Transferindo da Bancada à Prática Médica"
- 2012 Max-Delbruck Center for Molecular Medicine, Berlin, Germany
Seminar: "Developing renin inhibitors:
how basic science results are translated to pharma industry"
- 2011 Heart Institute (InCor) of University of São Paulo, Brazil
Seminar: "Pesquisa e Desenvolvimento dos Inibidores Diretos da Renina
- A Conexão entre Academia e Industria Farmaceutica"

- 2011 University Camilo Castelo Branco – UNICASTELO, Descalvado, Brazil
Seminar: "Drogas, Sexo e Riva-Rocci"
- 2010 University Santa Cecília – UNISANTA, Santos/SP, Brazil
Seminar: "Uso Racional de Medicamentos na Prática Clínica e na Gestão em Saúde"
- 2010 University Federal of Minas Gerais – UFMG, Belo Horizonte, Brazil
Seminar: "Bloqueio do Sistema Renina-Angiotensina Aldosterona: Uma Base para Terapia Anti-Hipertensiva "
- 2010 University Camilo Castelo Branco – UNICASTELO, Sao Jose dos Campos, Brazil
Seminar: "Desenvolvimento do Inibidores da Renina para Terapia Anti-Hipertensiva "
- 2010 Max-Delbruck Center for Molecular Medicine, Berlin, Germany
Seminar: "Endothelin Antagonism – A Case of Reverse Translation Research"
- 2010 G.T Popa University of Medicine and Pharmacy, Iasi, Romania
Seminar: "Career development for a physiologist"
- 2008 Speedel, Basel, Switzerland
Seminar: Renin Inhibitors – Plasma Renin Activity – Blood Pressure
- 2007 Speedel, Basel, Switzerland
Seminar: Endothelin in Kidney
- 2007 Speedel, Basel, Switzerland
Seminar: Experimental Models for Renal Diseases
- 2006 Speedel, Basel, Switzerland
Seminar: Introduction to Cardiac Electrophysiology
- 2006 Speedel, Basel, Switzerland
Seminar: Physiological Anatomy of Human Kidneys
- 2005 Universidade do Vale do Paraiba, Faculty of Health Sciences, Sao Jose dos Campos, Brazil
Lecture: "Drugs, Sex and Riva Rocci"
- 2005 Dept. Physiology & Biophysics, University of Mississippi Medical Center, Jackson MS, USA
Seminar: "Brain Renin-Angiotensin System-Lesson from a Transgenic Rat Model"
- 2004 Sultan Qaboos University, Oman
1st Workshop for Advising Students in the College of Medicine & H.Sc.
- 2004 Federal University of Sao Paulo, UNIFESP/Escola Paulista de Medicina, Brazil
Seminar: "Brain Renin-Angiotensin System – lessons from a transgenic rat model"
- 2003 Max-Delbruck Center for Molecular Medicine, Berlin, Germany
Wollenberger Seminar: "The Sympathetic Brain Renin-Angiotensin System"
- 2003 Sultan Qaboos University, Oman
Lecture: "Brain Renin-angiotensin System – Lessons from Functional Genomics"

- 1998 Universidade Federal de Minas Gerais (UFMG), Belo Horizonte, Brazil
Seminar: "Pineal Gland and Renin-Angiotensin System"
- 1996 Cardiovascular Research, Max-Delbruck Center for Molecular Medicine, Berlin, Germany
Seminar: "Biological Rhythms"
- 1995 Free University Berlin, Germany
The Cardiovascular Club Buch – Steglitz Seminar: "Human chymase in the brain"

SCIENTIFIC MEETINGS (ACTIVE PARTICIPATION)

- Oct 2022 29th Scientific Meeting of the International Society of Hypertension (ISH 2022), Kyoto, Japan (hybrid meeting)
Heart Rate Variability Indices as Potential Post-Traumatic Stress Disorder Biomarkers
Claudia F Cardoso, Natalia T Ohe, Yazan Bader, Nariman Afify, Zahrah Al Homedi, Salma M Alwedami, Siobhan OSullivan, Luciana A Campos, Ovidiu C Baltatu
Machine Learning Predicts Melatonin Targets on the Psychosocial Stress-Sleep/Circadian-Cardiometabolic Disorders Triad
Luciana A Campos, Ovidiu C Baltatu, Sergio Senar, Rym Ghimouz, Eman Alefishat, Jose Cipolla Neto
Urinary Angiotensinogen-Melatonin Ratio in Gestational Diabetes and Preeclampsia
Gabriela R Valias, Patricia RG Gomes, Fernanda G Amaral, Saif Alnuaimi, Daniela Monteiro, Siobhan OSullivan, Renato Zangaro, Jose Cipolla Neto, Juan Acuna, Ovidiu C Baltatu, Luciana A Campos
- May 2019 ACSM's Annual Meeting, World Congress on Exercise is Medicine® and World Congress on the Basic Science of Exercise, Circadian Rhythms and Sleep, Orlando, Florida
Physical Activity Levels in a Structured Physical Exercise Community Program in Elderly
Renata A. Miyabara, Ovidiu Constantin Baltatu, Luciana Aparecida Campos Baltatu
Published in *Medicine & Science in Sports & Exercise*. 2019;51(5):S168
- May 2019 II Pan American Congress of Physiological Sciences – "PHYSIOLOGY WITHOUT BORDERS" II PANAM-2019, Havana, Cuba
Subclinical Carotid Disease in Elderly Women is Associated with Cardiac Hypertrophy and Ageing
Ovidiu Constantin Baltatu, Valter Luis Pereira Jr., Sandra Gomes dos Santos, Juliana Stefanin Fuzatti, Luciana Aparecida Campos
Effect of A 6-Year Physical Exercise Intervention Program on Cardiovascular Risk Factors in Older People
Marcelo Pereira de Lima, Cecilia Sá Rodrigues Alves, Marco Aurélio Gonçalves Nobrega dos Santos, Luciana Aparecida Campos, Ovidiu Constantin Baltatu
A Mock Trial for Animal Experimentation in English As A Second Language for Brazilian Medical Students
Emely Flores Soares, Ramon Bossardi Ramos, Délio Martins, Robson Rocha de Oliveira, Ovidiu Constantin Baltatu, Luciana Aparecida Campos
- Aug 2018 41º Simpósio internacional de Ciências do Esporte (Celafiscs), São Paulo, Brazil
Avaliação Do Nível De Atividade Física Em Idosos Ativos E Sedentários

Renata Miyabara, João Pedro da Silva Junior, Ovidiu C. Baltatu, Luciana A. Campos

- Aug 2017 38th World Congress of the International Union of Physiological Sciences (IUPS2017), Rio de Janeiro, Brazil
Therapeutic Renin Inhibition in Diabetic Nephropathy – To Be or Not to Be? – "Álvaro Osório de Almeida Award" by Brazilian Society of Physiology
 Bianca D. Massolini, Stephanie S.G. Contieri, Giulia S. Lazarini, Paula A. Bellacosa, Luciana A. Campos, Ovidiu C. Baltatu
Impairment of Cardiac Autonomic Control in Subclinical Carotid Disease
 Valter Luis Pereira Jr., Mirela Dobre, Sandra Gomes dos Santos, Juliana Stefanin Fuzatti, Carlos Rocha Oliveira, Luciana Aparecida Campos, Andrei Brateanu, Ovidiu Constantin Baltatu
Bang the gavel: animal experimentation on trial – an interdisciplinary mock trial at the school of health sciences
 Luciana Aparecida Campos, Robson Rocha de Oliveira, Ovidiu Constantin Baltatu
- Nov 2016 21st World Conference of Family Doctors, Rio de Janeiro, Brazil
Mobile Phone Text Messaging to Improve Compliance in Diabetic Patients
 Eric G Kirschner; Renan Arthur Bosio Guimarães; Ana Julia Schmidt Niederauer; Luciana Aparecida Campos Baltatu; Ovidiu Constantin Baltatu
- Nov 2016 27 Congresso Brasileiro de Reprodução Humana, Sao Paulo, Brazil
Novas Estratégias Para A Estimulação Ovariana Em Reprodução Assistida
 Jose Fernando de Macedo, Gustavo Capinzaiki de Macedo, Giuliana Capinzaiki de Macedo, Luciana Aparecida Campos, Ovidiu Constantin Baltatu
- August 2015 50º Congresso Anual da Sociedade Brasileira de Fisiologia (SBFis-2015), Águas de Lindóia, Brazil
Mecanismos Sinérgicos Levando A Um Maior Risco De AVC Em Mulheres Idosas
 Juliana Stefanin Fuzatti, Sandra Gomes dos Santos, Luciana Aparecida Campos, Valter Luis Pereira Jr., Ovidiu C. Baltatu
- June 2015 "CISTI'2015 - 10ª Conferência Ibérica de Sistemas e Tecnologias de Informação", Águeda, Aveiro, Portugal.
Desenvolvimento De Sistema Para Monitorização E Avaliação Do Programa De Saúde Mental No Município De Santarém, Estado Do Pará, Brasil
 Ana Emília Gomes Macêdo; Bruno Almeida da Silva; Ovidiu Constantin Baltatu
- June 2015 "25th European Meeting on Hypertension and Cardiovascular Protection", Milano, Italy.
Subclinical carotid atherosclerosis is associated with alterations of time-domain indices of heart rate variability
 Valter L. Pereira Jr., Sandra Gomes dos Santos, Juliana S. Fuzatti, Luciana A. Campos, Ovidiu C. Baltatu
- Published in Journal of Hypertension: June 2015 doi: 10.1097/01.hjh.0000468141.83380.a7 LATE-BREAKERS POSTERS' LB01: SESSION 1
- Sept. 2014 Annual Fall Conference and Scientific Sessions of the Council for High Blood Research (AHA) – San Francisco, USA.
Carotid Disease in Postmenopausal Women Correlates with Cardiac Hypertrophy and Ageing
 Valter L. Pereira Jr., Luiz F. Franqueiro, Luciana A. Campos, Ovidiu C Baltatu
Effects Of A 12-Week Physical Training Program On Cardiovascular Risk Factors And Quality Of Life In Elderly Women

- Severo Conopca Jr., Laércio Oliveira Silva, Audirene Barboza de Oliveira Figueredo, Silas dos Santos Marques, Ovidiu C Baltatu
Published in Hypertension 2014;64
- Aug. 2014 PANAM – 1st PanAmerican Congress of Physiological Sciences (PanAm-2014) – Iguassu Falls, Brazil.
Atherosclerotic Carotid Afflicts Baroreflex
Valter L. Pereira Jr., Juliana S. Fuzati, Luciana A. Campos, Ovidiu C Baltatu
Cardiac Autonomic Dysfunction in Postmenopausal Women With Myocardial Infarction
Andreia O. Pinheiro, Audiel Ribeiro, Ovidiu C. Baltatu, Luciana A. Campos
- Sept. 2013 Annual Fall Conference and Scientific Sessions of the Council for High Blood Research (AHA) – New Orleans, USA.
ICU Blood Pressure Variability Correlates With The Nadir Of Respiratory Depression After Cardiac Surgery
Anne S. Costa, Paulo H. Costa, Carlos E. de Lima, Luiz E. Padua, Luciana A. Campos, Ovidiu C Baltatu
Extracranial Artery Disease is Associated With An Impairment of Cardiac Autonomic Control
Valter L. Pereira Jr., Luiz F. Franqueiro, Moacir F. de Godoy, Luciana A. Campos, Ovidiu C Baltatu
Published in Hypertension 2013;62
- June 2013 “23rd European Meeting on Hypertension and Cardiovascular Protection”, Milano, Italy.
Sex-dependent regulation of the renin-angiotensin system in diabetic nephropathy – role of androgens
Debora de Alencar Franco Costa, Mihai Todiras, Luciana A. Campos, Jose Cipolla-Neto, Michael Bader, Ovidiu C. Baltatu
- October 2012 XII Panamerican Congress on Vascular Surgery (Pan 2012) – Rio de Janeiro, Brasil
Espessamento medio-intimal em doenças carotídea e subclávia estão associados com diminuição da sensibilidade barorreflexa
Valter Luis Pereira Junior, Luiz Flávio Franqueiro, Moacir F. de Godoy, Luciana A. Campos, Ovidiu C. Baltatu
- May 2012 6th International Symposium on Hypertension and 4th Vascular Risk Workshop (HTA 2012) – Santa Clara, Cuba
Diferencias de Género en la Enfermedad Renal Crónica Causada por la Hipertensión o la Diabetes – D. de Alencar Franco Costa, L.A. Campos, R.A. Zângaro, M. Bader, J. Cipolla-Neto, O.C. Baltatu
- May 2010 The Association for Research in Vision and Ophthalmology, Inc. (ARVO) Annual Meeting – Fort Lauderdale, FL
Effect of SPP 635, A Renin Inhibitor, On Intraocular Pressure in Glaucomatous Monkey Eyes – poster presentation
R.F. Wang, JB Serle, SM Podos, K. Dembowski, OC. Baltatu
- May 2009 The Association for Research in Vision and Ophthalmology, Inc. (ARVO) Annual Meeting – Fort Lauderdale, FL
Effect of SPP 301, An Endothelin Antagonist, On Intraocular Pressure in Glaucomatous Monkey Eyes – poster presentation
S.M. Podos, R-F. Wang, J.B. Serle, OC. Baltatu

- June 2008 Hypertension 2008, joint congress 18th Scientific Meeting of the European Society of Hypertension and the 22nd Scientific Meeting of the International Society of Hypertension – Berlin, Germany
published in *J.Hypertension* 2008;26
Additive Kidney Protective Effects of an Angiotensin Receptor Antagonist Combined with the Endothelin Type A Receptor Antagonist SPP301 in Rat Model of Malignant Hypertension – poster presentation, published in *J.Hypertension* 2008 (26): S206
Baltatu OC, Zaugg CE, Bader M, Dembowski D
Do endothelin receptor antagonists induce edema through an extravasation of fluids? Evidence from an experiment in bi-nephrectomized rats – published in *J.Hypertension* 2008 (26): S371
Maillard M, Wang Q, Baltatu O, Burnier M
- April 2008 Experimental Biology Meeting - San Diego, CA
Antidiuretic effects of endothelin B receptor antagonism – poster presentation
Iliescu R and Baltatu OC
- Sept. 2007 61st Annual Fall Conference and Scientific Sessions of the Council for High Blood Research (AHA) – Washington, USA.
Transgenic ACE2 Overexpression in Vascular Smooth Muscle of SHR-SP Rats Reduces Blood Pressure and Improves Endothelial Function
published in *Hypertension* 50(4): E89
Rentzsch B, Iliescu R, Todiras M, Popova E, Baltatu OC, Santos RA, Bader M,
- March 2005 35th Congress of the International Union of Physiological Sciences (IUPS) - San Diego, CA.
Gender differences in the renal renin angiotensin system in diabetic nephropathy
Baltatu O, Campos LA, Iliescu R, Al-Barwani S, Bader M
In vivo effects of angiotensin II on the circadian expression of clock genes and renin-angiotensin system
Campos LA, Iliescu R, Al-Barwani S, Bader M, Baltatu O
- Feb. 2004 20th Scientific Meeting of the International Society of Hypertension – Sao Paulo, Brazil
Circadian Regulation of Angiotensinogen in the Kidney – Effect of Angiotensin II – poster presentation
Campos LA, Iliescu R, Bader M, Baltatu O
- Oct. 2003 8th European Research Conference on Blood Pressure and Cardiovascular Disease (ECCR) – Seeheim, Germany.
Gender Differences in Renal Expression of ACE and ACE2 in Diabetic Nephropathy published in *Hypertension* 42 (4): S645
Bader M, Iliescu R, Campos LA, Baltatu O
- Sept. 2003 57th Annual Fall Conference and Scientific Sessions of the Council for High Blood Research (AHA) – Washington, USA.
Gender Differences in Diabetic Nephropathy and the Renin Angiotensin System
published in *Hypertension* 42: S414
Iliescu R, Campos LA, Bader M, Baltatu O
Clock Genes in Cardiovascular Organs – Effects of Angiotensin II
published in *Hypertension* 42: S407
Campos LA, Iliescu R, Baltatu O, Bader M

- Nov. 2002 German Genome Research Network Symposium – Berlin, Germany.
Physiological Characterization of Kinin Receptor Deficient Mice Reveals Functions of Kinins in Neovascularization and Sepsis
 Bader M, Cayla C, Emanuelli C, Todiras M, Iliescu R, Chai G, Pesquero JB, Madeddu P, [Baltatu O](#)
- Oct. 2002 7th European Research Conference on Blood Pressure and Cardiovascular Disease (ECCR) – Seeheim, Germany. published in *Hypertension* 40 (4): 568
Abolition of Hypertension-Induced End-Organ Damage by Anti-Androgen Treatment in Female Transgenic Rats Harboring the Mouse Ren-2 Gene – poster presentation –
 awarded, published in *Hypertension* 40 (4): 568
[Baltatu O](#), Cayla C, Iliescu R, Bader M
Differential regulation of central vasopressin receptors in transgenic rats with low brain angiotensinogen – poster presentation,
 published in *Hypertension* 40 (4): 568
[Baltatu O](#), Couto AS, Campos L, Iliescu R, Santos RA, Campagnole-Santos MJ, Bader M
- Sept. 2002 56th Annual Fall Conference and Scientific Sessions of the Council for High Blood Research (AHA) – Washington, USA.
Androgen-Receptor-Independent Vasorelaxing Action of Flutamide
 published in *Hypertension* 40(3): 436
 Iliescu R, [Baltatu O](#), Bader M
Enhanced Isoproterenol-Induced Cardiac Hypertrophy in Transgenic Rats with Low Brain Angiotensinogen – published in *Hypertension* 40(3): 420
[Baltatu O](#), Iliescu R, Campos L.A., Todiras M, Pilz B, Bader M.
Abolition of Hypertension-Induced End-Organ Damage by Anti-Androgen Treatment in Female Transgenic Rats Harboring the Mouse Ren-2 Gene –
 published in *Hypertension* 40(3): 419
[Baltatu O](#), Cayla C, Andreev D, Bader M
Resistance against Septic Shock in B1 and B2 Kinin Receptor Deficient Mice – published in *Hypertension* 40(3): 395
 Cayla C, Todiras M, Iliescu R, Chai G, Pesquero JB, [Baltatu O](#), Bader M
- Nov 2001 Deutsche Liga zur Bekämpfung des hohen Blutdruckes, Deutsche Hypertonie Gesellschaft, Germany
Altered circadian rhythm reentrainment and pineal indoles in rats with low brain angiotensinogen – poster presentation
[Baltatu O](#), Campos LA, Plehm R, Michelini LC, Bader M
- Oct. 2001 6th Annual Meeting of the European Council for Blood Pressure and Cardiovascular Research (ECCR) - Noordwijkerhout, The Netherlands.
 Abstracts published in *Hypertension* 38(4): 964
Antihypertensive Mechanisms of Flutamide and Direct Effects on Vasculature
 Baltatu O, Iliescu R, Cayla C, Bader M
Locally Synthesized Angiotensin Modulates Pineal Melatonin Generation – poster presentation
[Baltatu O](#), Afeche SC, Campos LA, Bader M, and Cipolla-Neto
- Sept. 2001 55th Annual Fall Conference and Scientific Sessions of the Council for High Blood Research (AHA) – Chicago, USA.
Altered Vascular Reactivity to Angiotensins in Transgenic Rats Overexpressing the Human Tissue Kallikrein Gene – poster presentation
[Baltatu O](#), Todiras M, Bader M

- June 2001 XXXVI International Congress of Physiological Sciences
Brain Renin-Angiotensin System – synthesis lecture presented by Bader M
 Bader M, Baltatu O, Ganten D
- May 2001 10th International Symposium on SHR and Molecular Medicine, Berlin, Germany
Cardiovascular alterations in transgenic rats with low brain angiotensinogen
 – poster presentation
O. Baltatu, B. Janssen, R. Plehm, D. Ganten, M. Bader
- Oct. 2000 54th Annual Fall Conference and Scientific Sessions of the Council for High Blood Research (AHA) – Washington, USA
Alterations of Central Vasopressinergic System in Transgenic Rats with Low Brain Angiotensinogen – poster presentation
Baltatu O, Couto AS, Santos RAS, Ganten D, Campagnole-Santos MJ, Bader M
Alterations in Blood Pressure and Heart Rate Variability in Transgenic Rats with Low Brain Angiotensinogen – poster presentation
Baltatu O, Janssen BJ, Plehm R, Ganten D, Bader M
Abolition of Hypertension-Induced End-Organ Damage by Anti-Androgen Treatment in Transgenic Rats Harboring the Mouse Ren-2 Gene – poster presentation
Baltatu O, Cayla C, Andreev D, Bader M
Vasorelaxation to Angiotensin I After Angiotensin Converting Enzyme Inhibition – poster presentation
Baltatu O, Todiras M, Bader M
- Oct. 2000 5th European Research Conference on Blood Pressure and Cardiovascular Disease (ECCR) – Noordwijkehout, The Netherland
Differential Relaxing Mechanisms of Angiotensin-(1-7) and Angiotensin-(3-7) in Rat Aorta – poster presentation published in Hypertension pg. 663
Baltatu O, Todiras M, Bader M
Androgen Receptor Deficiency Attenuates Hypertension and End-Organ Damage in Transgenic Rats Harboring the Mouse Ren-2 Gene – poster presentation published in Hypertension pg.671
Baltatu O, Cayla C, Andreev D, Bader M
- Aug. 2000 18th Scientific Meeting of the International Society of Hypertension – Chicago, USA
Altered vascular reactivity to bradykinin in transgenic rats overexpressing the human tissue kallikrein gene – poster presentation
Baltatu O (young investigator award), Todiras M, Bader M
Differential effects of Angiotensin II and Angiotensin-(1-7) at the nTS of transgenic rats with low brain angiotensinogen – poster presentation
 Couto AS, Baltatu O, Santos RAS, Ganten D, Campagnole-Santos MJ, Bader M
- May 2000 10th European Meeting on Hypertension – Göteborg, Sweden
Altered cardiovascular functionality of the renin-angiotensin system at the rostral ventrolateral medulla of transgenic rats with low brain angiotensinogen – poster presentation
Baltatu O, Fontes MAP, Campagnole-Santos MJ, Caligiorni S, Ganten D, Santos RAS, Bader M
- Sep. 1999 53rd Annual Fall Conference and Scientific Sessions of the Council for High Blood Research (AHA) – Orlando, USA
The brain renin-angiotensin system modulates angiotensin II-induced hypertension and cardiac hypertrophy – poster presentation
Ovidiu Baltatu, José Antonio Silva Jr., Detlev Ganten and Michael Bader

- Oct 1998 3rd European Research Conference on Blood Pressure and Cardiovascular Disease (ECCR) – Noordwijkehout, The Netherland
Alterations on cardiovascular homeostasis in transgenic rats with low brain angiotensinogen – poster presentation
Ovidiu Baltatu, Marco A.P. Fontes, Robson A.S. Santos, Wolfgang Rascher, Maria J.C. Santos, Detlev Ganten and Michael Bader
- Sep. 1995 48th Annual Fall Conference and Scientific Sessions of the Council for High Blood Research (AHA) – New Orleans, USA
High levels of human chymase expression in the pineal and pituitary glands – poster presentation
Ovidiu Baltatu, Hikaru Nishimura, Sigrid Hoffmann, Gisela Stolteburg, Ioan Haulica, Andrea Lippoldt, Detlev Ganten, Hidenori Urata