

Camilla Ferreira Wenceslau, PhD, MS, FAHA

Personal Information	Date and Place of Birth: June 19, 1982, Sao Paulo, Brazil Marital Status: Married (Cameron G. McCarthy, Ph.D.) Children: Emma Wenceslau McCarthy (DOB: November 23, 2016) and Noah Wenceslau McCarthy (DOB: October 25, 2021)
Business Address	Associate Professor (2021-present) Cardiovascular Translational Research Center (CTRC) Department of Cell Biology and Anatomy University of South Carolina School of Medicine Affiliate Faculty (2021- present) Biomedical College Engineering, College of Engineering and Computing, University of South Carolina https://sc.edu/study/colleges_schools/medicine/about_the_school/faculty-staff/wenceslau_camilla.php https://sc.edu/study/colleges_schools/engineering_and_computing/faculty-staff/wenceslau_camilla.php Twitter: @WenceslauLab; @CFWenceslau

Positions and Education

Jul 2018- Jul 2021	Assistant Professor (tenure-track; 2018-2021) Laboratory of Vascular Biology Department of Physiology and Pharmacology University of Toledo College of Medicine and Life Sciences
Aug 2012- Jun 2018	Postdoctoral Fellowship – Cardiovascular Physiology Department of Physiology Augusta University, Medical College of Georgia, Augusta, Georgia (<i>employer</i>) Supervisor: R. Clinton Webb, Ph.D. Project title: “Mitochondrial N-formyl peptides lead to cardiovascular collapse”
Jan 2008- Jun 2012	Doctor of Philosophy in Human Physiology Department of Physiology and Biochemistry University of Sao Paulo, Sao Paulo, Brazil (<i>employer/education</i>) Luciana Venturini Rossoni, M.D., Ph.D., Mentor Thesis title: “Role of endogenous ouabain in the cardiovascular system of DOCA-salt hypertensive rats”
Jul 2005- Dec 2007	Master in Human Physiology Department of Physiology and Biochemistry University of Sao Paulo, Sao Paulo, Brazil (<i>employer/education</i>) Supervisor: Luciana Venturini Rossoni, M.D., Ph.D. Dissertation Title: “Time-dependent effect of chronic ouabain administration in rats on blood pressure and vascular reactivity in mesenteric resistance arteries” International Exchange (Trainee, Vascular Biology) Autonomous University of Madrid (UAM), Madrid, Spain Supervisor: Mercedes Salaices, Ph.D., Mentor
Feb 2001- Jan 2005	Bachelor of Science in Biology, with Distinction College of Sciences and Letters, Sao Paulo – Brazil

Committees

Jun 2022	Chair of the Search Committee (Faculty). Department of Cell Biology and Anatomy & Cardiovascular Translational Research Center. University of South Carolina School of Medicine, Columbia, SC.
Jun 2022	Organizer Seminar Series. Department of Cell Biology and Anatomy & Cardiovascular Translational Research Center. University of South Carolina School of Medicine, Columbia, SC.
May 2022-	Safety and Risk Service meeting regular voting member. VA Medical Center, Columbia, SC.
Dec 2021- May 2022	IBC voting member. VA Medical Center, Columbia, SC.
Sep 2021-	AHA Hypertension 2022 Program Committee Planning Meeting
Aug 2021-	Biomedical Science Graduate Committee; regular voting member. University of South Carolina School of Medicine, Columbia, SC.
May 2021- May 2024	American Physiological Society Cardiovascular Section Awards Committee
May 2021-	Microcirculatory Society Programs and Meetings Committee
Feb 2021- Jul 2021- Jul 2021	Individual Conflict of Interest in Educational and Clinical Care Committee. The University of Toledo College of Medicine, OH.
Dec 2020- Jul 2021	The Bylaws Committee; regular voting member. The University of Toledo College of Medicine, OH.
Jul 2020 - Jul 2021	Institutional Biosafety Committee (IBC); regular voting member. The University of Toledo College of Medicine, OH.
Jun 2020- Jul 2021	Liaison Committee on Medical Education (LCME) accreditation. The University of Toledo College of Medicine, OH.
Oct 2018- Jul 2021	Search Committee, postdoc-to-faculty – The University of Toledo College of Medicine
Mar 2009- Mar 2012	Representative of the animal ethic committee, University of Sao Paulo, Sao Paulo-Brazil

Teaching

Mar-Apr 2023	Lecture: Digestion, Endocrine Control, Metabolism and System Integration. Biomedical Engineering (BMEN). University of South Carolina, SC.
Jan - Feb 2023	Lecture: Cardiovascular Physiology and Pathophysiology. Doctor of Pharmacy (Pharm.D.) program. University of South Carolina, SC.
Apr 2022	Lecture: Vascular Signaling; Biomedical Engineering (BMEN). University of South Carolina, SC.
Mar 2021	Lecture: Vascular Signaling; Biomedical Science Program. The University of Toledo College of Medicine, OH.
Mar 2021	Lecture: Regulation of Vascular signaling and Migration; Biomedical Science Program. The University of Toledo College of Medicine, OH.
Oct 2015	Instructor. Publication Practices & Responsible Conduct of Research Course; Biomedical Sciences Graduate Program. Department of Physiology, Augusta University, GA.

- Sep 2012-
Jun 2013 Instructor. Seminar Course; Biomedical Sciences Graduate Program - Department of Physiology, Augusta University, GA.
- Sep 2006-
Feb 2009 Instructor. 1st year Medical Students. "Sphygmomanometry in man: Indirect method for blood pressure measurement", "Hemodynamics and peripheral circulation." University of Sao Paulo (USP), Sao Paulo-Brazil

Other Experience and Professional Memberships

- Dec 2020 Invited to attend NIH (Center for Scientific Review) Listening Session for developing a centralized training program for reviewers
- Jun 2020 Member, North American Vascular Biology Organization (NAVBO)
- Jan 2020 Member, Microcirculatory Society (MCS)
- Aug 2014-
Jul 2016 Social Chair, Department of Physiology – Augusta University, Augusta, GA
- Aug 2014-
Present Member of the International Society of Hypertension
- Oct 2013-
Present Member, The American Society for Pharmacology and Experimental Therapeutic (ASPET)
- Oct 2012-
Present Member, American Heart Association (AHA)
- Sep 2012-
Present Member, American Physiological Society (APS)
- Jul 2005-
Jan 2012 Member, Brazilian Society of Physiology (SBFis)
- Aug 2002-
Nov 2004 Trainee, Microbiology - AMBEV - Anheuser-Busch (InBev) - Sao Paulo - Brazil

Honors and Awards

- Jun 2022 American Heart Association Harry Goldblatt Award for Early Career Investigators Council on Hypertension and the High Blood Pressure Research Council of Australia (HBPRCA)
- Sep 2020 Fellow of the American Heart Association (FAHA) conferred by the Council on Hypertension (HTN). Fellowship recognizes outstanding scientific contributions in hypertension to the American Heart Association or international society.
- Jun 2020 Microcirculatory Society Featured Lab
- May 2020 The John Laragh Research Award, 2020 - The American Journal of Hypertension
- Apr 2017 International Society of Hypertension, Spotlight of the month (<http://ish-world.com/new-investigators-spotlight/i/April-2017-spotlight-of-the-month/>)
- Apr 2016 Caroline tum Suden/Frances Hellebrandt Professional Opportunity Award, San Diego, CA
- Apr 2015 Research Recognition Award - Respiratory Section, The American Physiological Society- APS, Boston, MA
- Jan, 2014 Chair's Post-Doctoral Fellowship - American Physiological Society's Professional Skills Training Course, Augusta University.

- Dec 2014 "Journey Through Science Day", sponsored by PepsiCo and the New York Academy of Sciences, New York, NY
- Apr 2014 Research Recognition Award - Cardiovascular Section - The American Physiological Society (APS) - Experimental Biology, San Diego, CA
- Feb 2012 Best oral presentation of scientific study - XVI Brazilian Symposium on Cardiovascular Physiology – Goiás, Brazil.
- Jun 2011 Travel award for 21st European Meeting on Hypertension and Cardiovascular Prevention, European Society of Hypertension, Milan, Italy
- Aug 2010 Honorable Mention, XXII Annual Meeting of the Federation of Societies for Experimental Biology - Fesbe - Sao Paulo, Brazil
- Jun 2008 Travel award for Workshop on Methods in Cardiovascular Pharmacology, British Pharmacology Society - Manchester, UK
- Aug 2007 Honorable Mention, XXII Annual Meeting of the Federation of Societies for Experimental Biology - Fesbe - Sao Paulo, Brazil.
- Dec 2005 Best student of Biology 2001-2005 - College of Letters and Science of Sao Paulo – Brazil, Sao Paulo, Brazil

Trainee's awards

- Sep, 2022 Ian Shiota Timmers Montandon (Bioengineering student): Best Poster Presentation. Trainee Advocacy Committee. Trainee Advocacy Committee of the AHA's Council on Hypertension, San Diego, CA.
- Sep, 2022 Paula Barros (PhD Student): Brazilian Government Fellowship awarded (CNPq). Ms. Barros is a visiting student in my laboratory from Jan 2023 to Dec 2023.
- Apr 2022 Ian Shiota Timmers Montandon (Bioengineering student) Summer 2022 McNAIR Junior Fellows (MJF) Program of the College of Engineering and Computing at the University of South Carolina, Columbia, SC
- Apr 2022 Kawane Fabricio Moura (PhD Student): Fulbright Fellowship Brazil. Ms. Moura is a visiting student in my laboratory from August 2022 to May 2023.
- Sep 2021 Emily Waigi (PhD Student): AFHRE Travel Grants for Support of Underrepresented Minorities; American Foundation for Hypertension Research and Education, Council on Hypertension and Council on Kidney in Cardiovascular Disease (Virtual conference due to COVID-19).
- Apr 2021 Emily Waigi (Master Student): Martin Frank Diversity Travel award recipient, Experimental Biology, Virtual Meeting.
- Apr 2021 Jonnelle Mercedes Edwards (Ph.D. Student): Martin Frank Diversity Travel award recipient, Experimental Biology, Virtual Meeting.
- Apr 2021 Jonnelle Mercedes Edwards (Ph.D. student): APS Cardiovascular Section Research Recognition Award, Experimental Biology, Virtual Meeting.
- Apr 2021 Soyoung Cheon (Master student/ Medical Student): ASPET Travel Award, Experimental Biology (EB). (Virtual conference due to COVID-19).
- Nov 2020 Vaishnavi Aradhyula (Master student): American Physiological Society Poster Award at the Integrative Physiology of Exercise Meeting, Virtual Meeting.

- Sep 2020 Jonnelle Mercedes Edwards (Ph.D. student): AFHRE Travel Grants for Support of Underrepresented Minorities; American Foundation for Hypertension Research and Education, Council on Hypertension and Council on Kidney in Cardiovascular Disease (Virtual conference due to COVID-19).
- Sep 2020 Soyounng Cheon (Master student): Hypertension New Investigator Travel Awards of the AHA's Council on Hypertension, (Virtual conference due to COVID-19).
- Apr 2020 Jonnelle Mercedes Edwards (Ph.D. student): Caroline tum Suden/Francis A. Hellebrandt Professional Opportunity Award Recipient, Experimental Biology, San Diego, CA.
- Apr 2020 Vaishnavi Aradhyula (Master student): Caroline tum Suden/Francis A. Hellebrandt Professional Opportunity Award Recipient, Experimental Biology, San Diego, CA.
- Apr 2020 Soyounng Cheon (Master student): selected to be presented in the Daily Datablitz sponsored by American Society for Pharmacology and Experimental Therapeutics (ASPET), Experimental Biology, San Diego, CA.
- Apr 2020 Vaishnavi Aradhyula (Master student): "Honorable Mention Winner at 3 Minute Thesis 2020 Competition"
- Sep 2019 Shaunak Roy (Master student): Hypertension Trainee Advocacy Committee New Investigator Travel Grant. Trainee Advocacy Committee of the AHA's Council on Hypertension, New Orleans, LA.
- Jun 2019 Shaunak Roy (Master student): 1st Place Poster Presentation, 46th Annual Pharmacology Research Colloquium, Toledo Ohio.
- Apr 2019 Shaunak Roy (Master student): Caroline tum Suden/Francis A. Hellebrandt Professional Opportunity Award Recipient, Experimental Biology, Orlando, FL.
- Apr 2019 Jonnelle Mercedes Edwards (Ph.D. Student): Martin Frank Diversity Travel award recipient, Experimental Biology, Orlando, FL.
- Jun 2018 Patricia Martinez-Quinones (Ph.D. student) New Investigator Award recipient Annual Conference on Shock, Shock society meeting, AZ.

Patents

- Apr 2019 U.S. Provisional Application No. 62/790, 185 – Inventor/PI: Camilla Ferreira Wenceslau (inventor 85%). Title: "Methods and Compositions of Treating Sepsis and Systemic Inflammatory Response Syndrome (SIRS)"

Podcasts

- June 2022 International Society of Hypertension (ISH). Mentoring and Training Committee (MTC). Career path, the importance of mentorship, diversity and other important aspects that will inspire our current and future hypertension research community.
<https://open.spotify.com/episode/4o7pG5yrQKdaQffgQK07tX>
- Apr 2021 AJP-Heart and Circulatory Podcasts: Host this podcast episode. Role of perivascular nerve and sensory neurotransmitter dysfunction in inflammatory bowel disease. <https://ajpheart.podbean.com/e/perivascular-nerve-dysfunction-in-inflammatory-bowel-disease/>

- Sep 2020 AJP-Heart and Circulatory Podcasts: Invited expert in the field. Vascular Response to Prolonged Sitting in Hypercapnia
<https://ajpheart.podbean.com/e/vascular-response-to-prolonged-sitting-in-hypercapnia/>
- Sep 2020 University of Sao Paulo's podcast to recognize woman Brazilian scientists. The podcast series is called "Virginias Da Ciencia". This project aims to support young investigator in Brazil. <https://www.virginiasdaciencia.com.br/cantica-amica/>
- Dec 2019 AJP-Heart and Circulatory Podcasts: Behind the Bench Episode One: Cam Squared This is the first episode of Behind the Bench, where AJP aims to get the story behind the story from the researchers.
<https://www.podbean.com/site/EpisodeDownload/PBCC0E4F9SKQM>
- Feb 2019 AJP-Heart and Circulatory Podcasts: Invited expert in the field.
<https://ajpheart.podbean.com/e/vasoconstriction-in-white-and-brown-adipose/>

Community Service and Symposium Organizing Committee

- Nov 2022 Moderator for the American Heart Association's Scientific Sessions 2022. "Did You Know? Learn Novel Hypertension Research Discoveries"
- June 2022 Abstract Reviewer, AHA Hypertension 2022 Scientific Sessions
- Sep 2021 Moderator for the poster session at the AHA Hypertension 2021 Scientific Sessions
- Apr 2021 Judge for the virtual competition. APS Cardiovascular Section Young Investigator Symposium for EB.
- Apr 2020 Organizer and Chair, Experimental Biology 2020 Symposium. APS- Cardiovascular Section. Title: *Immuno-vascular network in cardiovascular diseases*, San Diego, CA.
- Sep 2019 Mentor for Council on Hypertension Advisory and Mentoring Program (CHAMP), Council on Hypertension, American Heart Association, New Orleans, LA.
- Sep 2019 Judge posters at the onsite Trainee Poster Competition. Council on Hypertension, American Heart Association, New Orleans, LA.
- Dec 2018 Organizer, APS Physiology Understanding Week (PhUn Week), University of Toledo (<https://blog.lifescitrc.org/phunweek/category/phunweek/>)
- Apr 2018 Organizer and co-chair, Experimental Biology 2018 Symposium. APS- Cardiovascular Section. Title: *Endothelial cell contraction or retraction (insights into barrier function and permeability)*, San Diego, CA.
- Sep 2018 Judge posters at the onsite Trainee Poster Competition. Council on Hypertension, American Heart Association, Chicago, IL.
- Sep 2017 Mentor for Council on Hypertension Advisory and Mentoring Program, Council on Hypertension, American Heart Association, San Francisco, CA.
- Sep 2017 Judge posters at the onsite Trainee Poster Competition. Council on Hypertension, American Heart Association, San Francisco, CA.
- Apr 2017 Meeting Mentor for an APS Minority Travel Fellow, Experimental Biology, Chicago, IL.
- Apr 2016 Judge posters 2016 David Bruce Award finalists, APS – Experimental Biology, San Diego, CA
- Sep 2015 Organizer, The Lois Taylor Ellison, MD Lectureship, Augusta University
- Jun 2015 Organizer, Postdoc summer seminar, Augusta University
- Nov 2015 Organizer, Physiology Understanding Week (PhUn Week), Augusta University
- Apr 2014 Organizer and co-chair, Experimental Biology 2014 Symposium. ASPET-

Cardiovascular Section. Title: *Mitochondrial fragments: A novel mediator between inflammation and cardiovascular disease*, San Diego, CA.

Nov 2006-
2009 Organizer, Summer course in Physiology – University of Sao Paulo, Sao Paulo

Editorial activities/ Peer Reviewer for Grants

Editorial Board:

2021-2024 Physiological Reviews *Early Career Editorial Board*
2021 Vessel Plus
2021- Consulting Editor - American Journal of Physiology – Heart and Circ. Physiol.
2021- Review Editor for Frontiers in Physiology, Vascular Physiology
2020- Journal of Applied Physiology
2019-2022 American Journal of Physiology – Heart and Circulatory Physiology
2019 American Journal of Hypertension
2016 Consulting Editor Pharmacological Research
2017-2019 Guest Associate Editor - Frontiers in Immunology (inflammation)

Peer reviewer for Grants:

2021- 2027 Standing Member for the National Institutes of Health (NIH), Integrative Vascular Physiology and Pathology Study Section (IVPP)
2021 Peer Reviewer for the American Heart Association (AHA)
2021 Peer Reviewer for PROPEL, Mentorship Program for young and mid-career faculty, UofSC
2020 Peer Reviewer for the National Institutes of Health (NIH – HM study section)
2020 Peer Reviewer for the MRC Research Grant (United Kingdom)
2020 Peer Reviewer for the Medical Research Society (MRS) - COVID-19 grants
2019 Peer Reviewer for the National Science Foundation (NSF) – Career grants
2019 Peer Reviewer for the National Institutes of Health (NIH – HM study section)
2018 Peer Reviewer for the American Heart Association (AHA)

Journal Reviewer:

2022 Cell Reports Medicine
2021 Circulation Research
2021 Cardiovascular Research
2021 Basic & Clinical Pharmacology & Toxicology
2020 Pharmacological Reports
2020 Acta Physiologica
2020 Journal of Physiology
2020 Medicine & Science in Sports & Exercise (MSSE)
2020 European Journal of Pharmacology
2019 Journal of Applied Physiology
2019 Journal of Cardiovascular Pharmacology
2019 Cell Press- Heliyon
2019 Biocatalysis and Agricultural Biotechnology
2018 Molecular Immunology
2018 American Journal of Physiology – Renal Physiology
2018 American Journal of Physiology – Endocrinology and Metabolism
2018 Prostaglandins and Other Lipid Mediators
2018 Translational Research

2018	Physiological Genomics
2018	Pharmacology & Therapeutics
2018	Clinical and Experimental Hypertension
2017	Plos One
2017	American Journal of Hypertension
2017	International Journal of Cardiology
2017	American Journal of Physiology - Lung Cellular and Molecular Physiology
2016	Journal of Endocrinology
2016	Journal of Pharmacy and Pharmacology
2016	Pharmacological Research
2015	American Journal of Physiology- Heart and Circulatory Physiology
2015	Critical Care (London. Print)
2015	Life Sciences
2015	Journal of Vascular Research
2014	Hypertension
2014	Brazilian Journal of Medical and Biological Research

List of important public presentations (invited)

Apr 2023	Department of Physiology and Biophysics, Case Western Reserve University, School of Medicine. Vascular Injury and Remodeling Prior to the Onset of Hypertension
Apr 2023	Department of Anatomy, Physiology and Pharmacology, Auburn University: Vascular Injury and Remodeling Prior to the Onset of Hypertension
Mar 2023	Pharmacology and Molecular Physiology & Biophysics, Division of Clinical Pharmacology, Vanderbilt University School of Medicine: Vascular Injury and Remodeling Prior to the Onset of Hypertension
Jan 2023	2023 Emerging Physician Scientist Meeting. "Fostering the mentor & Mentee Relationship". University of South Carolina School of Medicine
Oct 2022	Department of Medical Physiology, Texas A&M: Vascular Injury and Remodeling Prior to the Onset of Hypertension
Sep 2022	American Heart Association Harry Goldblatt Award for Early Career Investigators Council on Hypertension: Vascular Injury and Remodeling Prior to the Onset of Hypertension
Apr 2022	Pittsburgh Heart, Lung and Blood Vascular Medicine Institute; University of Pittsburgh School of Medicine
Apr 2022	AJP Heart and Circ Editors Symposium, Experimental Biology: Hypertension as a Condition of Metaflammation.
Apr 2022	Microcirculatory Society, Experimental Biology: Soluble Protein Oligomers, Endoplasmic Reticulum Stress and Vascular Dysfunction
Mar 2022	UC Davis, School of Medicine, Cardiovascular Symposium; Discussion Leaders and Panelists
Mar 2022	The Dept. of Molecular and Cellular Physiology, Albany Medical College, Albany, NY "Microbiota are critical for vascular physiology".
Mar 2022	Vascular Biology Center at Augusta University, Medical College of Georgia: "Microbiota are critical for vascular physiology".

- Jan 2022 Diabetes and Obesity Research group (DORI) at the University of Southern California: "Microbiota are critical for vascular physiology".
- Oct 2021 Department of Physiology at the Medical College of Wisconsin: "Microbiota are critical for vascular physiology".
- Aug 2021 Department of Medicine Research Seminar at the University of Missouri-Columbia: "Microbiota are critical for vascular physiology".
- Jun 2021 Department of Physiology & Biophysics at the University of Mississippi Medical Center seminar series: "Microbiota are critical for vascular physiology".
- May 2021 The Robert M. Berne Cardiovascular Research Center (CVRC) seminar series: "Microbiota are critical for vascular physiology". University of Virginia School of Medicine, Charlottesville, VA
- May 2021 Vascular Biology Lecture: "Vascular Sepsis". The Robert M. Berne Cardiovascular Research Center (CVRC). University of Virginia School of Medicine, Charlottesville, VA
- Apr 2021 Vascular Biology Lecture: "VSMC migration". University of Sao Paulo, Sao Paulo -SP, Brazil.
- Feb 2021 V Symposium of Vascular Biology, Brazil.
- Oct 2020 Michigan Biology of Cardiovascular Aging, 4th Annual Symposium & Scientific Poster Session, Ann Arbor, MI
- Aug 2020 International Symposium on Resistance Arteries (ISRA), 2020 Tahoe City, CA
- Aug 2020 Seminar series on basic to translational Science: "Microbiota are critical for vascular physiology". University of Sao Paulo, Ribeirao Preto -SP, Brazil.
- Jun 2020 Cardiovascular Translational Research Center seminar: "Microbiota are critical for vascular physiology". University of South Carolina School of Medicine, SC.
- Mar 2019 N-formyl Peptides in hypertension. Michigan State University, East Lansing, MI
- Feb 2019 Formyl peptide receptor-1 activation exerts a critical role for the dynamic plasticity of arteries via actin polymerization. The University of Toledo, OH.
- May 2018 Mini-Symposium: "Immune system and inflammation as modulators of physiological function in health and disease". Augusta University, GA.
- Oct 2017 Physiology and Pharmacology Seminar: "Mitochondrial N-formyl Peptides Induce Cardiovascular Collapse and Sepsis-like Syndrome". The University of Toledo, OH.
- Jul 2017 Pathology, Microbiology & Immunology seminar: "Mitochondrial DAMPs and Cardiovascular Collapse ". University of South Carolina School of Medicine, SC.
- Jun 2017 Physiology seminar: "Mitochondrial DAMPs and Sepsis". East Carolina University. Greenville, NC.
- May 2017 Physiology Seminar; "Mitochondrial N-formyl Peptides Induce Cardiovascular Collapse and Sepsis-like Syndrome". University of Kentucky, Lexington, KY.
- Apr 2017 Pharmacology Seminar; "Mitochondrial N-formyl Peptides Induce Cardiovascular Collapse and Sepsis-like Syndrome". The University of Iowa, IA.
- Apr 2016 Symposium: Renal Section. "Formyl Peptide Receptor Blockade Ameliorates Intrarenal Resistance Artery Function and Decreases Blood Pressure in SHR". Experimental Biology, San Diego, CA,

- Sep 2015 Symposium. Hypertension. "Intrarenal arteries sense mitochondrial N-formyl peptides via formyl peptide receptor in Wistar and Spontaneously Hypertensive rats (SHR)". Council on Hypertension, Washington, 2015
- Apr 2015 Research Recognition Award: Mitochondrial N-formyl peptides cause airway contraction and lung neutrophil infiltration via formyl peptide receptor activation. Experimental Biology, Boston, MA.
- Apr 2014 Symposium. ASPET. Mitochondrial fragments: A novel mediator between inflammation and cardiovascular disease. Experimental Biology, San Diego 2014.
- Apr 2013 Symposium. ASPET. DAMPS cause hypotension via formyl peptide receptor activation. Experimental Biology, Boston, MA.

Mentorship

Postdoctoral Fellows:

PI: Camilla Ferreira Wenceslau

Trainee: Laena Permoniane, PhD. *Jan 2022-Dec 2024*

Title: Yamanaka Factors and Hypertension

PI: Camilla Ferreira Wenceslau

Trainee: Milene Fontes, PhD. *- Dec 2021-Dec 2024*

Title: Vascular remodeling in Hypertension

PI: Camilla Ferreira Wenceslau

Trainee: Carla Brigadao, PhD. Visiting postdoc fellow *Mar 2023-Mar 2024*

Title: Vascular dysfunction in Hypertension

PI: Camilla Ferreira Wenceslau

Trainee: Janara Furtado, M.D. *- Aug 2020-Aug 2021*

Title: Immune system vascular network in Human Tissue

Ph.D. Students:

PI: Camilla Ferreira Wenceslau

Student Name: Emily Waigi - *Aug 2021 – End: Aug 2025*

Title: Soluble oligomers, Endoplasmic Reticulum Stress and vascular function

PI: Camilla Ferreira Wenceslau

Visiting Student Name: Paula Barros - *Jan 2023 – End: Jan 2024 (Brazilian government fellowship - CNPq)*

Title: Vascular Dysfunction, GlcNAc and aging

PI: Camilla Ferreira Wenceslau

Visiting Student Name: Kawane Moura - *Aug 2022 – End: Aug 2023 (Fulbright Fellowship)*

Title: Intrauterine and lactational exposure to different drugs lead to cardiometabolic dysfunction

PI: Camilla Ferreira Wenceslau

Student Name: Jonnelle Edwards Mercedes - *Aug 2017 – End: Aug 2021 (NSF Fellowship)*

Title: FPR activation on hypertension

PI: Clinton Webb; Co-PI: Camilla Ferreira Wenceslau

Student Name: Patricia A. Martinez Quinones - *Aug 2016 – End: Aug 2019*

Title: DAMPs Released After Traumatic Injury Lead to SIRS and Endothelial Barrier Dysfunction

Master Students:**PI: Camilla Ferreira Wenceslau**Student Name: Shaunak Roy - *Sep 2018 – End: Sep 2019*Title: *Effects of native and allografted PVAT on vascular function in low and high-capacity running rats***PI: Camilla Ferreira Wenceslau**Student Name: Vaishnavi Aradhyula - *Sep 2019 – End: Sep 2020*Title: *High and low inherited exercise capacity induce divergent vascular plasticity***PI: Camilla Ferreira Wenceslau**Student Name: Soyoungh Cheon - *Sep 2019 – End: Sep 2020*Title: *Chronic opioid exposure leads to vascular remodeling***PI: Camilla Ferreira Wenceslau**Student Name: Emily Waigi - *Jan 2019 – End: Jan 2021 (Fulbright Fellowship)*Title: *Soluble oligomers, Endoplasmic Reticulum Stress and vascular function***PI: Camilla Ferreira Wenceslau**Student Name: Thaddaeus Ramiah Castaneda - *Sep 2020 – End: Aug 2021*Title: *Soluble oligomers and vascular function***Medical Students & Residents:****PI: Camilla Ferreira Wenceslau**Name: Callie Clarke – *May 2022 – Aug 2022*

TBD

PI: Camilla Ferreira WenceslauName: Jeremy Tomcho – *Start: Oct 2018-Jun 2021*Title: *Opioid exposure drives epigenetic dysregulation and immuno-vascular network collapse***Undergraduate Students:****PI: Camilla Ferreira Wenceslau**Name: Ian Shiota Timmers Montandon - *Jan 2022 – July 2022 (McNair Fellowship)*

Biomedical Engineering (BMEN)

PI: Camilla Ferreira WenceslauName: McKenna Martin – *Feb 2022 – July 2022*

Biological Science

Thesis & Dissertation Committees

Name: Patrice Cunningham (PhD). University of South Carolina, School of Medicine

Title: *Comprehensive exam proposal*

Name: Juthika Mandal (PhD). The University of Toledo College of Medicine & Life Science

Title: *Metabolites and Hypertension.***Grants****Active:**

01/15/2021– 12/31/2025 Wenceslau CF (PI)

NIH/NHLBI (#1R01HL149762)

\$250,000 in Direct Costs /year

Title: Formyl peptide receptor activation induces vascular plasticity and remodeling in hypertension

12/30/2018 – 30/11/2022 Wenceslau CF (PI)

NIH/NIGMS (#R00GM118885)

Title: Intrarenal Arteries Sense Trauma-derived Mitochondrial N-formyl Peptides Leading to Kidney Injury in SIRS

\$249,000 /year.

07/2021- Present Wenceslau CF (PI)

Institutional Funding – The University of South Carolina School Medicine.

\$850,000.00

Completed:

Sep 2016 – Jun 2018 Wenceslau CF (PI)

NIH/NIGMS K99/R00 Pathway to Independence Award (#K99GM118885)

Title: Intrarenal Arteries Sense Trauma-derived Mitochondrial N-formyl Peptides Leading to Kidney Injury in SIRS

The goal of this study is to uncover the mechanisms that lead to intrarenal arteries dysfunction and kidney failure in SIRS

Mentored Phase (K99) Costs (2 years)

The total cost for the mentored phase is \$161,762. Salary is limited to \$60,000 plus applicable fringe benefits and up to \$20,000 for research support costs for a 12-month budget period.

Aug 2014 – Jul 2016 Wenceslau CF (PI)

American Heart Association (AHA) (#14POST20490292)

Postdoctoral Fellowship

Title: Mitochondrial N-formyl peptides lead to sepsis-like symptoms

The goal of this study is to uncover the mechanisms that how trauma leads to sepsis-like symptoms (SIRS) and cardiovascular collapse

Jul 2012 – Aug 2013 Wenceslau CF (PI)

National Council for Scientific and Technological Development (CNPq), Brazil (#201617/2012-9)

Postdoctoral training program in Integrative Cardiovascular Biology

Title: Role of DAMPS in the genesis cardiovascular diseases

Specific aims are proposed, all providing a definition of the specific mechanisms by which DAMPs lead to affects cellular signaling mechanisms in the vasculature.

Mar 2008 – Feb 2012 Wenceslau CF (PI)

National Council for Scientific and Technological Development (CNPq), Brazil (#140767/2008-8)

Ph.D. Student

Title: Role of endogenous ouabain in the cardiovascular system of DOCA-salt hypertensive rats.

Mar 2006 – Dec 2007 Wenceslau CF (PI)

Sao Paulo Research Foundation (FAPESP), Sao Paulo, Brazil (#05/56271-6)

Master Student

Title: Time-dependent effect of chronic ouabain administration in rats on blood pressure and vascular reactivity in mesenteric resistance arteries.

Trainee's Fellowships

Active:

01/03/2023 – 01/03/2024

Carla Brigagão Pacheco da Silva, (Postdoctoral Fellow)

Research Internships Abroad (BEPE) – FAPESP Brazilian government

01/01/2023– 01/01/2024 Paula Barros (PhD Student)

CNPQ – Brazilian government

Title: Vascular Dysfunction, GlcNAc and aging

01/08/2022– 01/08/2023 Kawane Moura (PhD Student)

Fulbright US Student Program Fellowship

Title: Intrauterine and lactational exposure to different drugs lead to cardiometabolic dysfunction

Completed:

01/05/2022– 01/08/2022 Ian Shiota Timmers Montandon (Bioengineering student)

McNAIR Junior Fellows (MJF) Program of the College of Engineering and Computing at the University of South Carolina, Columbia, SC

01/08/2018– 01/09/2021 Jonnelle M. Edwards (PhD candidate)

National Science Foundation (NSF) # AGEP#1432878

\$250,000 in Direct Costs /year

Title: Resolution of inflammation in hypertension

01/01/2019– 01/08/2021 Emily Waigi (Master Student)

Fulbright US Student Program Fellowship

Title: Soluble oligomers, Endoplasmic Reticulum Stress and vascular function

Book Chapters

Roy S & **Wenceslau CF**. Chapter 1: Vascular Biology. Book title: Lange Vascular and Endovascular Surgery: Clinical Diagnosis and Management. McGraw-Hill, *in press*

Journal articlesIn press/ published:

1. **Wenceslau CF**, McCarthyCG, Earley S, England SK, Filosa JA, Gouloupoulou S, Gutterman DD, Isakson BE, Kanagy NL, Martinez-Lemus LA, Sonkusare SK, Thakore P, Trask AJ, Watts SW, Webb RC. Reply to Boedtkjer and Aalkjaer. Letter to the editor: The solution to bicarbonate. **Am J Physiol Heart Circ Physiol**. 2022 Apr 1;322(4):H687-H688. (Corresponding author)
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Abstracts:

>150 abstracts presented at national and international meetings.