



CURRICULUM VITAE

Nicholas R. Harris

Current Title: Graduate Research Assistant

Business Address: Louisiana State University Health Sciences Center, 1901 Perdido Street, MEB 7205, New Orleans, LA 70112

Education:

Undergraduate: B.S.E., Biomedical Engineering, Tulane University, May 2021
Summa cum laude with departmental honors

Graduate/Medical: MD/PhD, LSUHSC – New Orleans, Expected May 2028

Academic, Professional, and Research Appointments:

Research Assistant 2023-Present
Lab of Dr. Jason Gardner, Department of Physiology
LSUHSC New Orleans, LA

Research Assistant 2018-2021
Lab of Dr. Sarah Lindsey, Department of Pharmacology
Tulane University School of Medicine, New Orleans, LA

Emergency Room Technician 2019-2021
Emergency Department
Touro Infirmary, New Orleans, LA

Membership in Professional Organizations:

- 2019 – 2021 American Society for Pharmacology and Experimental Therapeutics
- 2019 – Present Tau Beta Pi Professional Engineering Honor Society
- 2023 – Present American Physiology Society

Awards and Honors:

- 2017 Eagle Scout, Boy Scouts of America
- 2017–2021 Dean’s List, Tulane University School of Science and Engineering
- 2019–2021 Cowen Scholar (Community Engagement and Leadership Award), Tulane University
- 2019 Tulane Center for Engaged Learning and Technology (CELT) Fund for Student/Faculty Research, \$4,000, Trafficking of Prorenin Receptors in Endothelial Cells and Vascular Damage in Type Two Diabetes
- 2019 American Society for Pharmacology and Experimental Therapeutics (ASPET) Summer Undergraduate Research Fellow

TEACHING EXPERIENCE AND RESPONSIBILITIES

Supplemental Instructor and Grader 2019

ENGP 2010: Electric Circuits

Department of Biomedical Engineering

Tulane University, New Orleans, LA

Planned and conducted weekly review sessions for Electric Circuits. Additional responsibilities included attending class and grading class assignments.

Teaching Assistant 2020-2021

CHEM 2415 & 2425: Organic Chemistry Lab 1/2

Department of Chemistry

Tulane University, New Orleans, LA

Planned and supervised experiments for undergraduate organic chemistry laboratory.

RESEARCH AND SCHOLARSHIP

Journal Publications:

Ogola BO, Clark GL, Abshire CM, **Harris NR**, Gentry KL, Gunda SS, Kilanowski-Doroh I, Wong TJ, Visniauskas B, Lawrence DJ, Zimmerman MA, Bayer CL, Groban L, Miller KS, Lindsey SH. (2021). Sex and the G Protein-Coupled Estrogen Receptor Impact Vascular Stiffness. *Hypertension*. Jul;78(1):e1-e14. doi: 10.1161/HYPERTENSIONAHA.120.16915.

Harris NR & Lindsey SH. (2021). Impact of the G protein-coupled estrogen receptor on endothelial derived arterial stiffening. Tulane University, Honors Thesis. Tulane University Digital Library.

Visniauskas B, Reverte V, Abshire CM, Ogola BO, Rosales CB, Galeas-Pena M, Sure VN, Sakamuri SSVP, **Harris NR**, Kilanowski-Doroh I, McNally AB, Horton AC, Zimmerman M, Katakam PVG, Lindsey SH, Prieto MC. High-plasma soluble prorenin receptor is associated with vascular damage in male, but not female, mice fed a high-fat diet. *Am J Physiol Heart Circ Physiol*. 2023 Jun 1;324(6):H762-H775. doi: 10.1152/ajpheart.00638.2022.

Published Abstracts:

Ogola BO, Clark GL, Abshire CM, **Harris NR**, Gentry KM, Lawrence D, Zimmerman MA, Bayer CL, Miller KS, Lindsey SH. (2019) Sex Differences and the Role of G Protein-Coupled Estrogen Receptor in Arterial Stiffening. AHA Hypertension Scientific Sessions, September 5, New Orleans, LA.

Ogola BO, Zimmerman MA, **Harris NR**, Kilanowski-Doroh IM, Groban L, Lindsey SH. (2020). Impact of Aging and G Protein-Coupled Estrogen Receptor Deletion in Arterial Stiffening and Cardiac Function in Male and Female Mice. *Experimental Biology*, cancelled due to COVID-19.

Kilanowski-Doroh IM, Ogola BO, **Harris NR**, Gentry K, Satou R, Lindsey SH (2020). Impact of GPER, Sex, and Age on Arterial Stiffness and Fibrotic Gene Expression. *Experimental Biology*, cancelled due to COVID-19.

Wong TJ, Ogola BO, Kilanowski-Doroh IM, **Harris NR**, Clark GL, Miller KS, Lindsey SH. (2020). Impact of Ovariectomy on Arterial Stiffness. *Experimental Biology*, April 4, San Diego, CA

Harris NR, Ogola BO, Visniauskas B, Katakam PV, Meadows SM, Prieto MC, Lindsey SH. (2020). Trafficking of the Prorenin Receptor in Endothelial Cells. *Experimental Biology*, cancelled due to COVID-19.

Ogola BO, Visniauskas B, **Harris NR**, Kilanowski-Doroh I, Horton AC, Diaz ZT, Lindsey SH. (2021) Aldosterone-Induced Arterial Stiffening and Cardiac Dysfunction in Male and Female G Protein-Coupled Estrogen Receptor Null Mice. *Tulane Health Sciences Research Days*.

Visniauskas B, Ogola BO, Kilanowski-Doroh I, **Harris NR**, Diaz ZT, Lindsey SH. (2021) Sex Differences in Blood Pressure Rhythms. *Tulane Health Sciences Research Days*.

Ogola BO, Visniauskas B, Kilanowski-Doroh I, **Harris NR**, Wong TJ, Lindsey SH. (2021) Ovariectomy Increases the Expression Of X-Linked Genes. *University of North Texas 3rd annual Women's Cardiovascular and Brain Health Research Symposium*.

Kilanowski-Doroh I, Wong TJ, Ogola BO, **Harris NR**, Horton AC, Laradji M, Lindsey SH. (2021) Estrogen and the G Protein-coupled Estrogen Receptor in Arterial Stiffness. *AHA Hypertension Scientific Sessions*, September 27-29, Virtual.

Visniauskas B, Ogola BO, Kilanowski-Doroh I, **Harris NR**, Diaz ZT, Lindsey SH. (2021) Sex Differences in Circadian Blood Pressure. *AHA Hypertension Scientific Sessions*, Virtual.

SERVICE AND ADMINISTRATION

Community Service Activities:

- Emergency Room Volunteer, Touro Infirmary, New Orleans, LA, 2019
- Camp Tiger Counselor and Bus Captain, LSUHSC-New Orleans, May 2022