

PROFESSIONAL SUMMARY:

I have 13 years of cardiovascular and translational research experience, and 4 years of experience as a first responder providing a unique perspective in research and healthcare. I have a proven track record of productivity with 8 peer-reviewed published manuscripts and have 1 currently under revision. I thrive in team settings and work well with others. Gallup 5 Strengths: Maximizer, Futuristic, Empathy, Strategic, Relator; DISC Assessment: available upon request

SKILLS AND PROFECIENCIES:

Areas of Expertise

- Cardiovascular genetics and electrophysiology
- iPSC-derived cardiomyocytes
- Gene therapy and gene editing
- Lab operations
- Clinical and pre-clinical research
- General research

Software Proficiencies

- Microsoft Office (Word, Excel, PowerPoint, etc.)
- GraphPad Prism
- LabChart
- ImageJ
- Ponemah

Hard and Soft Skills

- Adaptable and quick learner
- Critical thinker and natural problem solver
- Influential and goal oriented
- Analytical, data analysis
- Science communication
- Public speaking
- Team building and conflict resolution
- Project management

SELECT WORK EXPERIENCE (3/14):

POSTDOCTORAL ASSOCIATE

The Jackson Laboratory for Genomic Medicine

- I investigate innovative therapeutic solutions for heart failure and cardiomyopathies
- I use advanced proteomic tools to investigate novel mechanisms of heart disease
- I network and present scientific research at lab meetings, conferences, and journal clubs
- I work on a team and contribute to collaborative and independent research projects
- I write, edit, and publish scientific manuscripts and develop research protocols
- I perform advanced technical and pharmacological procedures to support cardiovascular research in a preclinical setting

**Farmington, CT
(Feb 2022 – present)**

FIREFIGHTER, EMERGENCY MEDICAL TECHNICIAN – BASIC (EMT-B)

South Windsor Fire Department

- I perform duties to preserve life and property such as fire suppression, incident stabilization, motor vehicle extrication, search and rescue, hazardous material containment, community outreach, and fire prevention initiatives
- I provide emergency medical services to medical and trauma patients
- I work effectively in teams to complete objectives
- I perform duties and solve problems in high-stress environments

**South Windsor, CT
(Mar 2022 – present)**

MULTICULTURAL AFFAIRS AMBASSADOR

American Heart Association, Chicago Chapter

- Gave presentations at nursing homes, churches, schools, and health fairs to educate marginalized communities about cardiovascular health and disease
- Networked and built relationships with community members and leaders that led to additional outreach opportunities

**Chicago, IL
(Aug 2016 – Aug 2018)**

Career Note: Other previous work experiences include research internships at institutions such as the University of Chicago Medical Center (Jul 2013 – Jun 2014) and Washington University in St. Louis, School of Medicine (May 2010 – Jul 2013), research advocate volunteer for the National MS Society (Sep 2014 – Aug 2016) and Allergy and Asthma Foundation for America (Jun 2012 – May 2013), fire departments (Jan 2020 – Sep 2021), and private EMT-B ambulance/event companies (Jun 2018 – Jun 2020).

EDUCATION:

NORTHWESTERN UNIVERSITY

Doctor of Philosophy (Ph.D.), Life & Biomedical Sciences, Cardiovascular Genetics and Pharmacology, Driskill Graduate Program Chicago, IL
(Jul 2014 – Jan 2022)

Master of Science (M.S.), Clinical Investigation, Cardiac Electrophysiology

- Ph.D., M.S.C.I. Dual-Degree program, Department of Pharmacology
- Investigated cardiac arrhythmia mechanisms and therapeutics for severe arrhythmia syndromes of infants and children caused by novel, pathogenic variants

JACKSON STATE UNIVERSITY

Bachelor of Science (B.S.), Chemistry, pre-medicine concentration, biology (minor) Jackson, MS
(Aug 2009 – May 2013)

- Summa Cum Laude (GPA: 3.957/4.000)

SELECT PUBLICATIONS (3/8):

- Hinson JT and **Wren LM**, *J Am Coll Cardiol HF*, 2022. <https://doi.org/10.1016/j.jchf.2022.08.003>
- Gussak G, Pfenniger A, **Wren L**, et. al., *JCI Insight*, 2019. <https://doi.org/10.1172/jci.insight.130532>
- **Wren LM**, et. al., *Circ Genom Precis Med*, 2019. <https://doi.org/10.1161/CIRCGEN.119.002581>

SELECT HONORS, AWARDS, & ACTIVITIES:

THE JACKSON LABORATORY

JAX Postdoctoral Scholar Award recipient
JAX Genomic Education and JAX Scholar Review Committee 2023

NORTHWESTERN UNIVERSITY

1st Place Oral Presentation
Black Graduate Student Association (BGSA) Research Conference 2019 & 2017
Pharmacology Departmental Retreat 2016

Jay Yeh Graduate Student Award
Department of Pharmacology 2019

Pre-Doctoral Fellowship
American Heart Association 2017 – 2019

JACKSON STATE UNIVERSITY

Higher Education Appreciation Day Working for Academic Excellence (HEADWAE)
Student Honoree from JSU Faculty 2013

Jacksonian Award of Distinction
Student Honoree from JSU Alumni Association 2013

Top 10 Phenomenal Women Award
Student Peer Honoree from JSU Students 2013

LSMAMP Best Senior Research Scholar
Louis Stokes Mississippi Alliance for Minority Participation Program 2013

Women's Soccer and Basketball Team
Division I – Southwest Athletic Conference 2009 – 2011

HIGHLIGHTED LEADERSHIP ROLES AND PROFESSIONAL DEVELOPMENT:

LEADERSHIP FELLOW, Fellowship in Leadership, Center for Leadership, Northwestern University (2019)

AMERICAN HEART ASSOCIATION RESEARCH LEADERS' ACADEMY, American Heart Association (2017)

PRESIDENT, Alliance for Chicago Minority Students, Northwestern University (2016-2017)

DIVERSITY PEER MENTOR, The Graduate School, Northwestern University (2016-2017)