Curriculum Vitae

Faculty Name: **Charcacia T. Sanders, PhD**

Work Address: P.O. Box 519; MS 1060
Prairie View, TX 77446

Position Title: Assistant Professor
Office Location: Elmer E. O'Banion Science Building, Rm 430R
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Education:

Degree and Area of Study	Institution Name	Degree Date
B.S., Biology	Prairie View A&M University	May 2003
PhD., Neuroscience	University of Texas Southwestern Medical Center at Dallas	May 2010

Teaching Experience

Position Title	Institution Name	Position Dates (Beginning and End)
Assistant Professor	Prairie View A&M University	2022 – present
Adjunct Professor of Biology	Lone Star College	2020 – present
Lecturer I	Prairie View A&M University	2019 – 2022
Instructor	Prairie View A&M University	2018 – 2019
Assistant Professor of General Education	Colorado Technical University	2014 – 2019
Science Instructor/Science Coordinator	AW Brown Leadership Academy	2017 – 2018
Adjunct Professor of Biology	Tarrant County College	2016 – 2018
Associate Professor of Biology	Collin County Community College	2011 – 2016
Adjunct Instructor of Biology	University of North Texas Dallas	2011 – 2018
Adjunct Instructor of Biology	Dallas Independent School District	2010 – 2017

Professional Publications:

Fattani, S., Forka, C., Garcia, M., Huynh, T., Merricks, T., Robinson, M., & **Sanders, C**. (2021). Soil Moisture and Porosity Affects the Abundance and Distribution of Ageratum houstonianum. Pursue: Undergraduate Research Journal, 4(1). Retrieved from https://digitalcommons.pvamu.edu/pursue/vol4/iss1/1

Sanders, C., & Smith, D.P. (2011). LUMP is a putative Double-Stranded RNA binding Protein Required for Male Fertility in Drosophila melanogaster. PLoS One 6(8): e24151, doi:10.1371/journal.pone.0024151

Kalidas, S., **Sanders, C**., Ye, X., Strauss, T., Kuhn, M., Liu, Q., & Smith, D.P. (2008). Drosophila R2D2 Mediates Follicle Formation in Somatic Tissues through Interactions with Dicer-1. Mechanisms of Development, 125(5-6), 475-85

Additional Trainings/Skills:

Texas Educator Certificate: Science (Grades 4-8)

Texas Educator Certificate: Life Science (8-12)

Texas Educator Certificate: English as a Second Language Supplemental (Grades 4-12)

Awards

President's Lifetime Achievement Award 2022

National Society of Collegiate Scholars Distinguished Honorary Member 2019

Service:

All of Us Underrepresented Biomedical Researcher (UBR) Scholars Program: A multidisciplinary team from multiple institutions creating a curriculum using the All of Us database to determine how exploration of health disparities in minority populations help develop science identity among underrepresented populations. 2022

DoD SMART Scholarship Program Evaluation Panel: Served on a panel to evaluate applications to identify future STEM leaders for the Science, Mathematics, and Research for Transformation (SMART) Scholarship for Service Program. 2022

YES Prep Science Teacher Professor Panel: I was invited to speak with K-12 teachers about the importance of inquiry-based learning as a social justice practice; Teachers were given strategies for a more inclusive learning environment to increase equity in science education. 2021

Prairie View A&M University Annual Biology Symposium Co-Chair: Organized and facilitated a virtual research symposium showcasing student research projects and virtual keynote address. 2021

BSPH Taskforce Member: Appointed to the taskforce to collaborate with PVAMU faculty members from various departments to write a proposal for a Bachelor's of Science in Public Health degree program; My role was to provide enrollment projections and strategies for student recruitment. 2021

Scholars in Undergraduate Math and Science (SUMS) Early-Career Faculty Mentor: In this role, I mentor academically talented students from low socio-economic background. I meet with students to discuss academic progress and goal-setting. 2020

Biology Virtual Summer Bridge Experience Program: Developed a ten week, interactive, online virtual summer program for incoming Biology majors to address academic, career, and social-emotional needs essential to transition from high school to college; Students completed the two semesters of the General Biology and Research, engaged in community building, and had the opportunity to interact with peer mentors and health career professionals. 2020 - 2021

P**remedical Concepts Institute (PCI) Program Coordinator**: Supervises the execution of the Biology Summer Bridge Program to ensure students successfully transition from high school to college; In this role, I actively recruit highly motivated incoming biology freshman, design course curricula and instruction, train and supervise student workers, and coordinate program activities. 2019 –