

College of Veterinary Medicine

Name: Solomon (Wole) Odemuyiwa, DVM, PhD, DVSc, DACVM

Title: Professor of Pathobiology

- *Interim Associate Dean for Academic and Student Affairs*
- *Associate Dean for Preclinical Curriculum*



Department: Pathobiology

Phone: 334.727.8753

Fax: 334.724.4110

E-mail: sodemuyiwa@tuskegee.edu

EDUCATION/TRAINING

Institution and Location	Degree	Graduation Year	Major
Ontario Veterinary College, University of Guelph, Ontario, Canada	DVSc	2012	Pathobiology
University of Alberta, Edmonton, Canada	Postdoc	2002 - 2008	Immunology
University of Ibadan, Nigeria	PhD	2002	Virology
University of Ibadan	DVM	1990	Veterinary Medicine

TEACHING

- Clinical Pathology, Immunology, Virology

RESEARCH INTERESTS

- Inflammation, immune escape, arthropod-borne pathogens, molecular epidemiology, zoonoses

RECENT PUBLICATIONS

- Ierardi, R. A., **Odemuyiwa, S. O.**, Schultz, L., Shen, Z., Zhang, M., Zhang, S., & Raghavan, R. K. (2025). Serologic and molecular prevalence of *Anaplasma marginale* in Missouri beef herds. *American Journal of Veterinary Research*, 86(7), 1–10. <https://doi.org/10.2460/ajvr.25.03.0096>
- Ierardi, R. A., Chance, S. M., Morris, C., Nunnelle, J., **Odemuyiwa, S. O.**, Royal, A. B., Schultz, L., Shen, Z., Young, J., & Raghavan, R. K. (2025). Active surveillance for *Theileria orientalis* and the invasive Asian longhorned tick (*Haemaphysalis longicornis*) in three Missouri beef herds. *PLOS ONE*, 20(4), e0319327. <https://doi.org/10.1371/journal.pone.0319327>
- Cadmus, S., Akinseye, V., Cadmus, E., Famokun, G., Fagbemi, S., Ogunde, G., Philip, A., Ansumana, R., Ayinmode, A., Taiwo, O., Oluwayelu, D., Tomori, O., & **Odemuyiwa, S. O.** (2025). Drivers of Lassa fever in an endemic area of southwestern Nigeria (2017–2021): An epidemiological study. *PLOS ONE*, 20(6), e0327143. <https://doi.org/10.1371/journal.pone.0327143>
- Vaughn, J., Brown, H. L., Ogunbadewa, A. J., **Odemuyiwa, S. O.**, Anderson, D. M., & Halsey, S. (2025). Detection of *Amblyomma maculatum* and *Rickettsia parkeri* in prairies of Central Missouri. *Veterinary Parasitology: Regional Studies and Reports*. <https://doi.org/10.1016/j.vprsr.2024.101190>
- Abo-Samaha, M. I., Sharaf, M. M., El Nahas, A. F., & **Odemuyiwa, S. O.** (2024). Innate immune response to double-stranded RNA in American heritage chicken breeds. *Poultry Science*, 103, 103318. <https://doi.org/10.1016/j.psj.2023.103318>
- Abo-Samaha, M. I., Sharaf, M. M., El-Nahas, A. F., & **Odemuyiwa, S. O.** (2023). Length-dependent modulation of B cell activating factor transcripts in chicken macrophage by viral double-stranded RNA. *Vaccines*, 11(10), 1561. <https://doi.org/10.3390/vaccines11101561>