



**Curriculum Vita
May 2025**

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EDUCATION

Doctor of Philosophy, Environmental Science, Jackson State University, 2014

Master of Science, Biology, Jackson State University, 2010

Bachelor of Science, Biology, Jackson State University, 2008

TEACHING EXPERIENCE

April 2016 – Present, Adjunct Assistant Professor, General Education and Psychology, Colorado Technical University

April 2022 – August 2022, Adjunct Instructor, General Education Science, West Coast University

August 2021 – April 2022, Associate Professor, Course Coordinator, Life Sciences, Division of Mathematics, Science, and Business, Trinity River Campus, Tarrant County College

August 2016 – August 2021, Assistant Professor, College of Health Sciences, Jackson State University

August 2015 – August 2016, Adjunct Assistant Professor of Biology, Department of Biology, Jackson State University

PROFESSIONAL EXPERIENCE

June 2014- September 2015, NRSA Postdoctoral Fellow, Division of Cancer Biology and Angiogenesis, Department of Experimental Pathology and Molecular Genetics, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, MA

PUBLICATIONS

- Yedjou CG, Sims JN, Njiki S, Chitoh AM, Joseph M, et al. (2024). Health and Racial Disparities in Diabetes Mellitus Prevalence, Management, Policies, and Outcomes in the United States. *J Community Med Public Health* 8: 460.
<https://doi.org/10.29011/2577-2228.100460>
- Mbemi, A.T.; Sims, J.N.; Yedjou, C.G.; Noubissi, F.K.; Gomez, C.R.; Tchounwou, P.B. (2020) *Vernonia calvoana* Shows Promise towards the Treatment of Ovarian Cancer. *Int. J. Mol. Sci.* 2020, 21, 4429. <https://doi.org/10.3390/ijms21124429>. PMID: 32580345.
- Sims, J. N., Leggett, S. S., & Myla, A. (2020). Industrial Emissions and Asthma Prevalence. *European Journal of Environment and Public Health*, 4(2), em0046.
<https://doi.org/10.29333/ejeph/8288>
- Yedjou CG, Sims JN., Miele, L., Noubissi, F., Lowe, L., Fonseca, DD., Alo, RA., Payton M, Tchounwou PB (2019). Health and Racial Disparity in Breast Cancer. In: Ahmad A. (eds) *Breast Cancer Metastasis and Drug Resistance. Advances in Experimental Medicine and Biology*, vol 1152. Springer, Cham. PMID: 31456178
- Mendy, V., Vargas, R., Payton, M., Sims, J. (2019). Trends in the Stroke Death Rate among Mississippi Adults, 2000-2016. *Preventing Chronic Disease*, 6:E21. doi: 10.5888/pcd16.180425. PMID: 30767859.
- Clement G. Yedjou, Jennifer N. Sims, Sylvianne Njiki, Nole Tsabang, Ifedayo V. Ogungbe, & Paul B. Tchounwou (2018). *Vernonia Amygdalina Delile* Exhibits a Potential for the Treatment of Acute Promyelocytic Leukemia. *Gl. J. Adv. Eng Tech & Sci.*
- Prete, A., A. S. Lo, P. M. Sadow, S. S. Bhasin, Z. A. Antonello, D. M. Vodopivec, S. Ullas, J. N. Sims, J. G. Clohessy, A. M. Dvorak, T. Sciuto, M. Bhasin, J. E. Murphy-Ullrich, J. Lawler, S. A. Karumanchi and C. Nucera (2018). "Pericytes elicit resistance to vemurafenib and sorafenib therapy in thyroid carcinoma via the TSP-1/TGFBeta1 axis." *Clin Cancer Res.* PMID: 30076136
- Sims Jennifer N., Yedjou CG, Abugri D, Payton M, Turner T, Miele L, Tchounwou PB (2018). Racial Disparities and Preventive Measures to Renal Cell Carcinoma. *Int J Environ Res Public Health*, 15(6). PMID: 29843394
- Hill J.; Okojie F.; Durnat T.; Sims Jennifer N. (2016) Undergraduate student perceptions of stemming public health challenges: are historically black colleges and universities the answer? *The Researcher: An Interdisciplinary Journal* 29(1):29-29.
- Skipper, Anthony; Sims, Jennifer N.; Yedjou, Clement G.; Tchounwou, Paul B. (2015) Cadmium Chloride Induces DNA Damage and Apoptosis of Human Liver Carcinoma Cells via Oxidative Stress. *Int. J. Environ. Res. Public Health* PMID: 26729151
- Mark Duquette, Peter M. Sadow, Amjad Husain, Jennifer N. Sims, Zeus A. Antonello, Andrew H. Fischer, Chen Song, Elena Castellanos-Rizaldos, G. Mike Makrigiorgos, Junichi Kurebayashi, Vania Nose, Paul Van Hummelen, Roderick T. Bronson, Michelle Vinco, Thomas J. Giordano, Dora Dias-Santagata, Pier Paolo Pandolfi, Carmelo Nucera (2015). Metastasis-associated MCL1 and P16 copy number alterations dictate resistance to vemurafenib in BRAFV600E-patient derived papillary thyroid cancer preclinical model. *Oncogene*. PMID: 2663665
- Isokpehi, R. D., Valero, K. W., Graham, B., Pacurari, M., Sims, J. N., Udensi, U. K., and Ndebele K. Secondary Data Analytics of Aquaporin Expression Levels in Glioblastoma Stem like Cells. *Cancer Inform.* 2015 Jul 30;14:95-103. PMID: 26279619

Sims J. N. and Lawler, J. (2015). Thrombospondin-1Based Antiangiogenic Therapy. *J Ocular Pharma Therapeutics* 2015 Sep;31(7):366-70. PMID: 26352160

Graham, B.; Stevens, J.; Wells, P.; Sims, J.; Rogers, C.; Ekunwe, S.; Leggett, S.S.; Ndebele, K. (2014). Enhancement of Arsenic-mediated Changes in Human Induced Pluripotent Stem Cells (IPS). *Int. J. Environ. Res. Public Health*, 2014, 11, 7524-7536. PMID: 25054231

Sims, J.N.; Graham, B.; Pacurari, M.; Leggett, S.S.; Tchounwou, P.B.; Ndebele, K. (2014). Di-Ethylhexylphthalate (DEHP) Modulates Cell Invasion, Migration and Anchorage Independent Growth through Targeting S100P in LN-229 Glioblastoma Cells. *Int. J. Environ. Res. Public Health*, 2014, 11, 5006-5019. PMID: 24821384

Sims, J. N., Isokpehi, R. D., Cooper, G. A., Bass, M. P., Brown, S. D., St John, A. L., Gulig, P. A., Cohly, H. H. P. Visual Analytics of Surveillance Data on Foodborne Vibriosis, United States, 1973–2010. *Environ Health Insights*. 2011; 5: 71–85. PMID: 22174586

Isokpehi R. D., Mahmud O., Mbah A. N., Simmons S. S., Avelar L., Rajnarayanan R. V., Udensi U. K., Ayensu W. K., Cohly H. H., Brown S. D., Dates C. R., Hentz S. D., Hughes S. J., Smith-McInnis D. R., Patterson C. O., Sims J. N., Turner K. T., Williams B. S., Johnson M. O., Adubi T., Mbuh J. V., Anumudu C. I., Adeoye G. O., Thomas BN, Nashiru O, Oliveira G. Developmental Regulation of Genes Encoding Universal Stress Proteins in *Schistosoma mansoni*. *Gene Regul Syst Bio*. 2011; 5:61- 74. PMID: 22084571

RESEARCH GRANTS AND AWARDS

October 2019 – September 2021, The Center for Environmental & Public Health Research, Training, and Practice. Title III Historically Black Graduate Institution (HBGI) \$228,000. February 2020 – June 2020, State Office of Rural Health Development, Mississippi State Department of Health, State Office of Rural Health Grant (SORH), \$5,000. October 2018 – September 2019, Head Start and Child Care Facility Lead Poisoning and Healthy Homes Training Curriculum. Mississippi State Department of Health, Lead Poisoning Prevention and Healthy Homes Program Contract. \$20,000 June 2017 – August 2017, Implicit Bias within the Public Health Discipline, National Science Foundation Sub-award from JSU ADVANCE, \$25,000.
