

Exponent®
Engineering & Scientific Consulting

Jamal Koledoye

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Professional Profile

Mr. Koledoye is a Regulatory Scientist with a background in pesticides, biopesticides, fertilizers, microbial products, applied biotechnology and plant science. He has experience as a regulatory specialist maintaining compliance for pesticide and pesticide device products regulated under the US Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), Canada's Pest Management Regulatory Agency (PMRA) and other global regulatory agencies. He also has experience conducting research using various governmental agency databases and has completed state registration and registration renewal submissions of pesticide and device products under US State regulations. At Exponent, alongside ensuring product compliance under FIFRA and performing state registration and registration renewal submissions of pesticides and device products, he has worked on USDA APHIS permit submissions to enable the import, movement and field release of USDA-regulated biological products within and into the United States. In graduate school, he focused on semester long projects with companies in the biotechnology space, aiming to help them with business optimization. These projects ranged from buffer preparation for a Contract Research Organization (CRO) to assessment of the landscape of RNAi technologies. He has applied his RNAi technologies experience in the FIFRA arena for Exponent's clients.

Academic Credentials & Professional Honors

M.S., Microbial Biotechnology, North Carolina State University, 2021

B.S., Applied Biotechnology, University of Georgia, 2019

Prior Experience

Regulatory Specialist, TSG Consulting, June 2021 – July 2022

Project Experience

Responded to a 10-day letter from EPA in which the Agency asked for data showing the ability of a client's microbe to solubilize phosphate and increase its ability to plants. In order to respond to this, literature searches were undertaken to provide this data to EPA to show that the plant growth effects were due to the ability of the microbe to breakdown the available phosphorus and make it more available in the soil and not known plant growth regulator functions of the microbe.

This led to the drafting of four M009 (EPA Regulatory Jurisdiction) letters, with care being taken to put forth the ability of the microbes to make phosphorus and other nutrients available but making sure no inferred plant growth regulator claims were included in the application. The outcome of the response to

the 10-day letter and M009 applications was EPA determining they do not have jurisdiction over any of the products.

Compilation of a registration package for the registration of a new active ingredient in South Korea. The dossier included physiochemical data, human, animal and environmental hazards, and residue, efficacy and phytotoxicity tests. Additionally, a toxicology assessment report to expand on the animal and human hazards was also drafted and submitted.

Managed and submitted multiple APHIS PPQ 526 applications to import/transport biological articles in the United States. Analyzed phylogeny and risk potential of the biological articles.

Performed web research on RNAi applicability relating to row and specialty crops. Analyzed the patent landscape related to RNAi crop protection technology. Developed dossiers compiling the information found. Delivered recommendations on what crops the client should move forward with.

Performed web research on significant pathogens (N. gonorrhoeae, A. baumannii, S. pneumoniae, H. influenzae, F. nucleatum) to assess applicability of client's technology. Developed dossiers compiling the information in a concise form. Delivered recommendations for what pathogens the client should target by making use of the information found.