

Dr. Dale is a Scientist 3 and Principal Investigator in the Bioscience Division at LANL. As a biochemist with expertise in the design and development of mid- to high-throughput assays, she has focused on applications ranging from nucleic acid:protein interactions to exploring algae and other microorganisms as platforms for making cost effective biofuels and bioproducts. In algae, Dr. Dale's team is improving the productivity and environmental tolerance of microalgae strains, with an effort towards translating these results to outdoor cultivation. In non-phototrophs, she leads a team focused on the development and application of high throughput tools for optimizing metabolic flux towards new target molecules. Until recently, Dr. Dale was also the Algae Platform Lead for the Bioenergy and Bioproducts Program in LANL's Science Program Office Applied Energy Program.