



Alan Tackett, PhD

Proteomics Evolution: An Arkansas Researcher's National Impact

Dr. Alan Tackett leads a cutting-edge proteomics operation at the University of Arkansas for Medical Sciences. With a bold vision, he and his team have developed this local resource into a nationwide service provider with funding from the National Institutes of Health. This proteomics resource serves the entire United States, impacting the ability of researchers to better understand and develop novel therapies for human disease.

The Challenge

Proteins play a critical role in the development, progression, and treatment of diseases, making their study vital for medical breakthroughs. Quantitative proteomics offers an in-depth understanding of these proteins, unraveling the mechanisms that underlie diseases. Yet, affordable access to reliable, advanced proteomics resources and skilled personnel is a bottleneck for many researchers across the United States.

The Solution

In response to this challenge, Dr. Tackett and his team established the IDeA National Resource for Quantitative Proteomics with the primary goal of providing the best price point for state-of-the-art proteomics resources for all biomedical researchers across the United States.



To date, this operation has impacted the work of thousands of researchers across each state in the nation. This resource has become a powerful tool for scientists to explore a myriad of subjects and develop more effective therapies, ultimately improving patient outcomes.

The National Resource's highly specialized approaches include:

Adaptable Platforms:

The facility handles projects of all sizes, from a few samples to thousands. Trained staff work with individual projects to plan the best experimental approaches.

Modern Facility:

The facility maintains state-of-the-art equipment to give users access to cutting-edge proteomics applications.

Data Competence:

All data is thoroughly examined before being sent to the user, with the goal of handing off high-quality data with publication-ready figures.

Next Milestones and Ask: Supporting Growth and Innovation

Dr. Tackett aims to drive innovative research by providing unmatched access to advanced quantitative proteomics platforms and staff skilled in interpreting and analyzing complex biological data.

The National Resource serves a diverse group of investigators for research ranging from studies on model organisms to various diseases. This resource offers advanced data analysis, outreach initiatives, and educational workshops that empower scientists across the nation.

The National Resource is currently looking to partner with scientists across the nation who are interested in leveraging proteomics to study human health and disease. Please visit <https://idearesourceproteomics.org/> for more information.

Contact



<https://idearesourceproteomics.org/contact/>



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