GeneCapture

GeneCapture Announces Agricultural Collaboration with Auburn University College of Veterinary Medicine

Awarded Matching SBIR Grant from Innovate Alabama to Enable Remote Infection Detection for Animal and Agricultural Applications

HUNTSVILLE, ALABAMA – GeneCapture, developer of a novel point of care pathogen diagnostic platform technology, announced that it has received a Small Business Innovative Research (SBIR) match grant award from Innovate Alabama to advance its work currently underway with the Defense Health Agency. The current SBIR effort is to develop a portable rapid diagnostic for human infection and antibiotic susceptibility testing for military personnel. The matching grant of $100,000 will enable animal pathogens to be added to the test panel.

GeneCapture's Chief Scientist Paula Millirons displays pathogen detector model for remote testing of animal pathogens

Pathogens that infect animals are often not diagnosed until it is too late to prevent contagion which may lead to food recalls or animal deaths. If the infection and antibiotic susceptibility can be determined on the farm prior to animal transportation, the health of the animals can often be maintained.

"GeneCapture's system identifies the molecular sequence of the pathogen using a rapid RNA-based signature match. Most of GeneCapture's development has focused on human health for civilian and military populations. However, adding probes for animal pathogens is a simple extension of the platform," stated Paula Millirons, Chief Scientist at GeneCapture.

The collaboration with Auburn University College of Veterinary Medicine will speed up testing and field applications that are important to the State and the Country. The team expects to have results from animal samples by summer 2023. The work will be performed at GeneCapture's lab on the HudsonAlpha campus.

Dr. Xu Wang, Associate Professor of Comparative Genomics in Animal Health and Disease from Auburn University College of Veterinary Medicine remarked, "Rapid on-site pathogen detection will become an important tool to enhance animal production, health, welfare, and address agricultural and food security issues. We are looking forward to exploring GeneCapture's novel platform as a part of this Innovate Alabama award."

This collaboration and grant award comes on the heels of GeneCapture winning the prestigious Nunn-Perry Award from the Department of Defense, recognizing the company's momentum as it prepares for the next stage of commercialization. GeneCapture, which has received over $4 million from the Department of Defense, is partnered with Defense Health Agency, Defense Threat Reduction Agency, and

other agencies as it seeks to develop its point of care pathogen diagnostic platform for the warfighter, the Government, and commercial applications.

"Innovate Alabama is helping innovators grow roots within the state by providing resources, like the Innovate Alabama Supplemental Grant Program, to assist business leaders who are looking for support in bringing their products to market," said Cynthia Crutchfield, Innovate Alabama CEO.

GeneCapture's mission is to bring 'infection detection' out of the lab and directly to the patient, whether at a doctor's office, an airport, a cruise ship, a farm, or a battlefield. Our rapid infection detection platform and antibiotic susceptibility platform are designed for point of care medicine. GeneCapture, Inc. is an associate company on the HudsonAlpha Institute for Biotechnology campus in Huntsville, Alabama, a leading research institute in genetics and genomics.

Learn more about GeneCapture at www.genecapture.com or contact the company at info@genecapture.com.