From lab to industry
New company will allow food-animal producers to increase profits

Years of tireless research by Ohio Agricultural Research and Development Center virologist Daral Jackwood gave birth to a new technology for making vaccines and diagnostic tests to combat poultry and livestock diseases and to safeguard our food production system.

Jackwood’s cutting-edge technology has led to the creation of a startup company, LARAD Inc., which is the first OARDC spinout into the university’s BioHio Research Park, an agbioscience technology park based on the Wooster campus.

LARAD will commercialize the invention and has the potential to generate high-paying jobs in Ohio. It employs molecular biology methods to develop virus-like-particle (VLP) technology. VLPs can be used to make vaccines and diagnostic kits not currently available on the market, which increases the technology’s commercialization potential. The technology can have a wide range of applications including viral diseases of poultry, swine, cattle, fish, horses, cats and dogs.

“These products will allow the industry to do things it hasn’t been able to do before,” Jackwood said.

More: go/osu.edu/UpH
Ohio Agricultural Research and Development Center

As the research arm of The Ohio State University’s College of Food, Agricultural, and Environmental Sciences (CFAES), the Ohio Agricultural Research and Development Center (OARDC) employs nearly 650 scientists and staff members throughout the state.

Its Wooster campus is the largest agbioscience research facility in the United States, and OARDC scientists work closely with researchers in Ohio State’s Colleges of Education and Human Ecology, Medicine, Public Health, Veterinary Medicine, Biological Sciences and Engineering.

At any given time, OARDC researchers are engaged in more than 400 research projects. Primary focus is in three signature areas:

- Advanced Bioenergy and Biobased Products
- Environmental Quality and Sustainability
- Food Security, Production and Human Health

The Ohio General Assembly established OARDC as the Ohio Agricultural Experiment Station in 1882. It is supported by a line-item appropriation from the Ohio General Assembly, competitive grants, gifts, contracts, federal grants and other sources. OARDC uses these funds to provide direct research support and economic development for Ohio’s annual $100+ billion agbioscience industry. OARDC is not funded by student tuition or any other general funds of The Ohio State University.

OARDC: A Leader in Agbioscience

ag•bi•o•sci•ence (ăg'bī'ō-sī'ens) n. the integration of scientific disciplines to address critical needs of food security, safety and health; environmental sustainability; and biobased energy, fuel and products

Food Security, Production, and Human Health

Environmental Quality and Sustainability

Advanced Bioenergy and Biobased Products