



USPOULTRY Foundation Allocates \$230,600 in Student Recruiting Grants

The USPOULTRY Foundation has awarded student recruiting grants totaling \$230,600 to the six U.S. universities with poultry science departments and 20 other institutions with industry-related programs. The Foundation provides annual recruiting and retention funds to colleges and universities to attract students to their poultry programs. The grants were made possible by gifts to the Foundation from companies, individuals and families. The six poultry science departments receiving the grants are:

Institution	Grant Amount	Grant Made Possible By:
Auburn University	\$21,481	Ingram Farms
Mississippi State University	\$22,021	Sanderson Farms
North Carolina State University	\$27,205	Stanley Frank Family Foundation
Texas A&M	\$34,766	Tyson Foods
University of Arkansas	\$22,423	Monty & Margot Henderson Recruiting Fund
University of Georgia	\$19,104	Leland Bagwell Education and Innovation Fund

The 20 other institutions with industry-related programs receiving recruiting and retention grants under the Foundation's Industry Education Recruitment Funding Program are:

Institution	Grant Amount	Grant Made Possible By:
Abraham Baldwin Agricultural College, Ga.	\$3,000	Don Dalton Student Recruiting Fund
California State, Fresno, Calif.	\$7,000	
Clemson University, S.C.	\$2,900	Leland Bagwell Education and Innovation Fund
Crowder College, Mo.	\$6,500	Hollis P. Osborne Family
Eastern Oklahoma State College, Okla.	\$2,500	Simmons Foods
Gadsden State Community College, Ala.	\$2,300	Peco Foods
Louisiana State University, La.	\$7,000	Sanderson Farms
Ohio State University, Ohio	\$4,600	Midwest Poultry Services
Oregon State University, Ore.	\$2,300	
Penn State University, Pa.	\$10,000	Virginia Poultry Growers Cooperative
South Dakota State University, S.D.	\$2,200	West Liberty Foods
Stephen F. Austin State University, Texas	\$3,000	Sanderson Farms
University of Arkansas - Pine Bluff, Ark.	\$3,000	Peco Foods
University of California - Davis, Calif.	\$2,600	
University of Delaware, Del.	\$4,600	AJC International
University of Maryland Eastern Shore, Md.	\$1,600	Valley Proteins
University of North Georgia, Ga.	\$7,000	Leland Bagwell Education and Innovation Fund
University of Tennessee at Martin, Tenn.	\$3,500	Tyson Foods
Wallace State Community College, Ala.	\$3,000	Peco Foods
Wilkes Community College, N.C.	\$2,000	

RESEARCH RESULTS

- ◀ **Researchers Develop Powerful Tools for Detecting *Salmonella***
Project #F043, Dr. Michael J. Rothrock, USDA Agricultural Research Service, Athens, Ga.
- ◀ **Energy Content and Amino Acid Digestibility Are Affected by Removal of Oil from DDGS**
Project #F044, Dr. William Dozier, III, Auburn University, Auburn, Ala.
- ◀ **Using Litter Amendments during Broiler Grow-Out Can Improve Production, Broiler Health and the Environment**
Project #F049, Dr. Hong Li, University of Delaware, Newark, Del.
- ◀ **Researchers Evaluate New Lighting Technologies for Broiler Houses**
Project #667, Dr. Brian Fairchild, University of Georgia, Athens, Ga.
- ◀ **Research Provides New Insight on Vaccination Against Infectious Bronchitis**
Project #680, Dr. Mark Jackwood, University of Georgia, Athens, Ga.
- ◀ **Carbon Footprint and Assessment Tool Developed for Poultry Producers**
Project #672, Dr. Claudia Dunkley, University of Georgia, Athens, Ga.
- ◀ **New Technique for Studying Hen Diuresis Disease Syndrome in Broiler Breeders**
Project #F047, Dr. Kelli Jones, Mississippi State University, Pearl, Miss.
- ◀ **Research Provides Insight for Ventilation of Broiler Houses during Hot Weather**
Project #F050, Dr. Brian Fairchild, University of Georgia, Athens, Ga.
- ◀ **Research Provides Improved Method for Detecting *Salmonella* in Processing**
Project #F056, Dr. Steven Ricke, University of Arkansas, Fayetteville, Ark.
- ◀ **Research Holds Promise for Controlling Kinky Back Disease in Broilers**
Project #682, Dr. Luke Borst, North Carolina State University, Raleigh, N.C.
- ◀ **New Filtration Method for Water Filtration Shows Significant Benefits for Processing Plants**
Project #F057, John Pierson, P.E., Georgia Institute of Technology, Atlanta, Ga.
- ◀ **Researchers Develop New Ammonia-Oxygen Monitoring System for Poultry Houses**
Project #F055, Dr. Sanjay Shah, North Carolina State University, Raleigh, N.C.
- ◀ **Research Indicates That We May Be Winning the Battle against Marek's Disease**
Project #F051, Dr. John Dunn, USDA Agricultural Research Service, East Lansing, Mich.
- ◀ **Researchers Provide New Insight into Controlling Necrotic Enteritis in Broilers**
Project #F052, Dr. Joan Smyth, University of Connecticut, Storrs, Conn.
- ◀ **Designing a New Generation of Live Attenuated Infectious Laryngotracheitis Virus (ILT) Vaccines for In Ovo Vaccination in Broilers**
Project #683, Dr. Maricarmen García, University of Georgia, Athens, Ga.
- ◀ **Identifying Intestinal Microflora Associated with Feed Conversion Efficiency**
Project #F053, Dr. Nelson Cox, USDA Agricultural Research Service, Athens, Ga.
- ◀ **25-OH Cholecalciferol (HyD) Supplementation to Improve Anti-Coccidial Defense in Turkeys**
(made possible by the Virgil H. Cooper Turkey Fund 2014 award) Project #689, Dr. Ramesh Selvaraj, Ohio State University, Wooster, Ohio

\$1,542,929 Allocated for Research Funding in 2015

USPOULTRY and Foundation Approve \$532,906 in New Research Grants

USPOULTRY and the USPOULTRY Harold E. Ford Foundation approved a total of \$532,906 for 11 research grants in the Comprehensive Research Program. The research will be conducted at four universities and USDA-ARS. The Comprehensive Program is the Association's long-standing research effort dating back to the 1950s. Since its inception, more than \$26 million has been reinvested in the industry, with the research conducted at more than 50 universities and federal and state facilities. The research is approved by the boards of the Association and Foundation, based on recommendations of the Foundation Research Advisory Committee. The committee evaluates research proposals to determine their value to the industry. Committee members are professional specialists in different segments of the poultry and egg industry. The Comprehensive Program research projects are as follows:

Production of Variant Reovirus Hyperimmune Serum for Use as a Diagnostic Tool to Further Characterize Avian Reoviruses from Clinical Cases of Tenosynovitis

University of Georgia (research grant made possible in part by a gift from Mar-Jac Poultry)

Identification of the Wooden Breast Condition in Broiler Breast Fillets Using Imaging Technology

USDA Agriculture Research Service (research grant made possible in part by a gift from GNP Company)

Improved Methods for the Control of Variant Strains of IBV

University of Georgia (research grant made possible in part by a gift from Fieldale Farms)

Impact and Mitigation of Stormwater Runoff from Poultry

University of Georgia

Protection Provided by Multivalent Infectious Bronchitis Virus Vaccines Against Challenge with Current U.S. Strains and Variants

University of Delaware

Cold Plasma-based Antimicrobial Packaging System to Improve the Shelf Life and Reduce Foodborne Pathogens in Poultry Breast Meat

USDA Agriculture Research Service

Modified Live Vaccines of Infectious Laryngotracheitis Virus

University of Delaware

Effect of Dietary Glutamine and Arginine on Metabolism Related to Muscle Myopathy in Broiler Chickens

North Carolina State University (research grant made possible in part by a gift from Case Farms)

Low-Cost Solar Heater for Poultry Barns

North Carolina State University (research grant made possible in part by a gift from Elton and Claire Maddox)

Development of Molecular Tests and an In Vitro Assay to Identify Blackhead Disease Reservoirs and Sanitation Strategies

University of Georgia

Validation of In Vivo Selective Cultivation of Probiotic Communities via Serial Transplants of the Chicken Cecal Microbiome

Western University of Health Sciences

Board Research Initiative Projects Total \$460,023

Five Board Research Initiative projects, valued at \$460,023, were approved and will be conducted at four universities and USDA-ARS. The Board Research Initiative was created by the Boards of USPOULTRY and the USPOULTRY Foundation to address current issues facing the poultry and egg industry. It operates alongside the long-established Comprehensive Research Program and augments the original program's effectiveness and protracted success. The Initiative focuses on critical areas of research selected by the board. Board Research Initiative projects are as follows:

Development and Production of Salmonella Multi-serotypic and Multi-subunit Vaccines for Hens

USDA Agriculture Research Service (research grant made possible in part by a gift from Cal-Maine Foods)

Development of Improved Integrated Pest Management Programs to Control Vectors of Salmonella on Hen Farms

University of Georgia (research grant made possible in part by a gift from CCF Brands)

Evaluation of Risk Factors Associated with Salmonella Contamination in Post-chilled Carcasses and Secondary Processing Products in a Poultry Plant

Clemson University (research grant made possible in part by a gift from Perdue Farms)

Low Voltage Stunning of Poultry: Objective Verification of Insensibility and Refinement of Low Voltage Electrical Stunning

Auburn University (research grant made possible in part by a gift from Wayne Farms)

Effect of Density on the Behavior, Welfare and Performance of Turkeys and Broilers

North Carolina State University (research grant made possible in part by a gift from Butterball)

\$550,000 for AI and Communication Research



USPOULTRY Approves \$550,000 in Emergency Funding for AI Research and Communication

In response to a critical need in the industry, our Association approved \$550,000 in emergency funding to support further avian influenza research and communication. These projects are to be completed on a fast track over the next several months, and address some of the most critical questions and issues that arose from the highly pathogenic avian influenza (HPAI) outbreak this past spring.

The following avian influenza projects have been approved for funding.

Formaldehyde Inactivation of Avian Influenza Virus in Poultry Feed

Auburn University

Inactivation of Avian Influenza Virus in Poultry Litter

Southeast Poultry Research Laboratory, USDA-ARS

Developing a HPAI Planning Tool for Poultry Farms

University of Minnesota

Humane Depopulation of Poultry

North Carolina State University

Rapid Disposal of Poultry Carcasses Following Depopulation

USPOULTRY Board Research Initiative pre-proposals are currently being sought on this research topic

"ALL IN OR ALL GONE" - HPAI Biosecurity Outreach Program

Funding is provided to help expand the biosecurity outreach program developed by the Georgia Poultry Federation to other states.

We will continue to focus on additional needs, addressing HPAI over the next several months, and soliciting research, communication or training projects that help prepare the industry for the presence of avian influenza.

Goal Achieved

One of the long-term objectives of the recent capital campaign was to restore research funding to \$1 million annually between the Foundation and USPOULTRY. With the emergency AI funds, we easily exceeded \$1.5 million. However even without this extraordinary fund, we allocated \$992,929 in research funding. Thanks to your generosity, we are reaching one of our major goals.

John Starkey, P.E.
President, USPOULTRY

In Thanks and Recognition to the Following Donors for Their Support of the USPOULTRY Foundation

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