



**PROGRESS AND PARTNERSHIP**

- ◀ **Researchers Develop Novel Vaccine for Infectious Bronchitis**  
Project #F042 Dr. Haroldo Toro, Auburn University Auburn, Ala.
- ◀ **Research Investigates Cyanosis in Male Broiler Chickens**  
Project #665, Danny L. Magee, Mississippi State University, Pearl, Miss.
- ◀ **Scientists Develop New Vaccine to Protect Against Two Important Diseases**  
Project #676, Dr. Isabel Gimeno, North Carolina State University in Raleigh, N.C.
- ◀ **Researchers Evaluate Best Practices for Shell Egg Sanitization**  
Project #F041, Dr. Craig Coufal, Texas A&M University, College Station, Texas
- ◀ **Researchers Characterize New Pathogenic Gumboro Viruses**  
Project #F038, Dr. Daral Jackwood, Ohio State University, Wooster, Ohio
- ◀ **Researchers Identify Important Energy Cost Savings in Poultry Processing**  
Project #677, Dr. Yi Liang, University of Arkansas, Fayetteville, Ark.
- ◀ **Researchers Demonstrate that Ultrasound May Be Useful for Reducing Salmonella Levels**  
Project #681, Dr. Aklilu Giorges, Georgia Tech Research Institute, Atlanta, Ga.
- ◀ **Researchers Demonstrate Potential Routes of Transmission of Salmonella and Campylobacter in Turkeys**  
Project #F037, Dr. Doug Smith, USDA Agricultural Research Service, Athens, Ga.
- ◀ **Research Provides New Insight into Controlling Blackhead Disease**  
Project #F035, Dr. Robert Beckstead, University of Georgia, Athens, Ga.
- ◀ **Research Examines Impact of Stocking Density in Enriched Colony Cages**  
Project #670, Dr. Darrin Karcher, Michigan State University, East Lansing, Mich.
- ◀ **Controlling Body Weight of Turkey Breeder Hens without Feed Restriction**  
Project #675, Dr. Michael Lilburn, Ohio State University, Wooster, Ohio
- ◀ **Researchers Compare Effectiveness of Recombinant Infectious Bursal Disease Vaccines**  
Project #668, Jack Gelb, The Ohio State University, Wooster, Ohio)
- ◀ **Campylobacter Research Reveals Potential for Vaccine**  
Project #679, Hung-Yueh Yeh, USDA Richard B. Russell Agricultural Research Center, Athens, Ga.
- ◀ **Researchers Find Potential Link between Feeding DDGS and Necrotic Enteritis in Broilers**  
Project #F048, Dr. Kenneth Macklin, Auburn University, Auburn, Ala.
- ◀ **Researchers Show Benefits of Zinc Supplementation in Broilers**  
Project #F040, Dr. Douglas Smith, North Carolina State University, Raleigh, N.C.)

**USPOULTRY Foundation Allocates \$268,434 in Student Recruiting Grants**

The USPOULTRY Foundation has awarded student recruiting grants totaling \$268,434 to the six U.S. universities with poultry science departments and 23 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 received from companies and individuals within the poultry industry.

The six poultry science departments receiving the grants are:

<u>Institution</u>	<u>Grant Amount</u>	<u>Grant Made Possible By:</u>
Auburn University	\$21,051	Ingram Farms
Mississippi State University	\$20,880	Sanderson Farms
North Carolina State University	\$28,302	Stanley Frank Family Foundation
Texas A&M	\$38,178	Tyson Foods
University of Arkansas	\$22,593	Monty & Margot Henderson Recruiting Fund
University of Georgia	\$18,996	Leland Bagwell Education and Innovation Fund

The 23 other institutions with industry-related programs receiving recruiting and retention grants under the Foundation’s Industry Education Recruitment Funding Program are:

<u>Institution</u>	<u>Grant Amount</u>	<u>Grant Made Possible By:</u>
Abraham Baldwin Agriculture College, Ga.	\$2,500	Don Dalton Student Recruiting Fund
Blue Ridge Community College, Va.	\$7,000	The Robert Burtner Strickler and Gladys Hopkins Strickler Student Recruiting Fund
Cal Poly, Calif.	\$10,000	
Clemson University, S.C.	\$2,933	Leland Bagwell Education and Innovation Fund
Crowder College, Mo.	\$4,592	Hollis P. Osborne Family
Eastern Oklahoma State College, Okla.	\$1,195	Simmons Foods
Louisiana State University, La.	\$7,000	Sanderson Farms
McNeese State University, La.	\$2,720	Sanderson Farms
Modesto Junior College, Calif.	\$5,750	
Murray State University, Ky.	\$6,873	Tyson Foods
Ohio State University, Ohio	\$3,000	
Oregon State University, Ore.	\$4,593	
Penn State University, Pa.	\$10,000	
Stephen F. Austin State University, Texas	\$3,000	
Tennessee Tech, Tenn.	\$2,333	Tyson Foods
University of California – Davis, Calif.	\$2,333	
University of Delaware, Del.	\$5,495	AJC International
University of Kentucky, Ky.	\$7,000	
University of North Georgia, Ga.	\$6,550	Leland Bagwell Education and Innovation Fund
University of Maryland Eastern Shore, Md.	\$4,560	Valley Proteins
Wallace State Community College, Ala.	\$4,666	
West Virginia University, W. Va.	\$6,890	George’s, Inc.
Wilkes Community College, N.C.	\$7,000	

## USPOULTRY and Foundation Approve \$599,909 in New Research Grants

USPOULTRY and the USPOULTRY Foundation approved a total of \$599,909 for 11 new research grants at seven institutions. The research funding was approved by the boards of directors of both organizations, based on recommendations from the Foundation Research Advisory Committee. The committee evaluates research proposals to determine their value to the industry and then makes recommendations to the boards for funding. Committee members are professional specialists from different segments of the poultry and egg industry who represent a variety of disciplines.

The Association's research program dates back to the early 1960s, when funds were first approved for poultry disease research. It gradually grew into a comprehensive program incorporating all phases of poultry and egg production and processing. Since the inception of the research program, USPOULTRY and the USPOULTRY Foundation have reinvested more than \$25 million into the industry in the form of research grants, with the International Poultry Expo as the primary source of funding. In recent years, earnings from the USPOULTRY Foundation have supported half of the research grants. More than 50 universities and federal and state facilities have received grants over the years.

"Research is a crucial component of USPOULTRY's and the USPOULTRY Foundation's service to the industry," said Elton Maddox, Wayne Farms, and USPOULTRY chairman.

The research grants are as follows:

### **Effects of Nitrocompounds to Minimize Ammonia Emission in Broiler Litter**

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

### **Efficacy of Breeder Hen Vaccination for Protecting Broilers from Enterococcal Spondylitis Caused by *Enterococcus Cecorum***

North Carolina State University

### **25-OH Cholecalciferol (HyD) Supplementation to Improve Anti-Coccidial Defense in Turkeys**

Ohio State University (designated as the Virgil H. Cooper Turkey Fund 2014 award)

### **Development of an Improved Recombinant Infectious Laryngotracheitis Vaccine**

Auburn University (research grant made possible by a gift from Pilgrim's)

### **Efficacy of Various Antimicrobials on Reduction of Salmonella and Campylobacter, Microbial Shelf-Life and Quality Characteristics of Ground Chicken in a Post-Chill Decontamination Tank**

Auburn University (research grant made possible by a gift from Koch Foods)

### **Identifying the Onset of a Novel Muscle Disorder in Chickens through Differential Gene Expression and Histologic Analyses**

University of Delaware

### **Combined Heat Recovery and Ammonia Control System for Broiler Brooding**

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

### **Factors Contributing to Superficial Pectoral Myodegeneration and Sclerosis (Wooden Breast) in Broilers**

North Carolina State University (research grant made possible by a gift from Ozark Mountain Poultry)

### **Branched-chain Amino Acid Requirement and Their Role in Protein Synthesis and Growth Performance in Female Broiler Chickens**

University of Arkansas (research grant made possible by a gift from Simmons Foods)

### **Identifying Amino Acids in the Spike Protein Critical for Arkansas-DPI Vaccine Binding**

University of Georgia

### **Generation of the Bivalent Vaccine against Newcastle Disease (ND) and Infectious Laryngotracheitis (ILT)**

USDA ARS Southeast Poultry Research Laboratory (research grant made possible by a gift from Claxton Poultry)

## USPOULTRY and Foundation Approve \$243,166 in New Board Research Initiative Grants

USPOULTRY and the USPOULTRY Foundation approved a total of \$243,166 for two new research grants at two institutions through the Board Research Initiative program. The research funding was approved by the boards of directors of both organizations, based on recommendations from the Foundation Research Advisory Committee.

The USPOULTRY Board Research Initiative was created by the Boards of USPOULTRY and the USPOULTRY Foundation to address current issues facing the poultry industry. The USPOULTRY Board Research Initiative operates concurrently with the USPOULTRY research program and augments the great success of the existing program by focusing additional resources toward defined areas of research.

The research grants are as follows:

### **Determining the Dose, Time and Route of Challenge and the Eventual Sites of Colonization of Two *Salmonella* Serovars**

Auburn University (research grant made possible by a gift from Cargill)

### **Characterizing Thermal Micro-Environment during Poultry Transportation**

University of Arkansas (research grant made possible by a gift from Prestage Farms)

## USPOULTRY Foundation Announces Enhancement of FFA Career Development Event

At the recent National FFA Convention & Expo in Louisville, Ky., incoming USPOULTRY Foundation Chairman, Elton Maddox, Wayne Farms, Oakwood, Ga., announced an enhancement of the USPOULTRY Foundation's support for the National FFA Poultry Evaluation Career Development Event (CDE). The Poultry Evaluation CDE is a competitive event that helps students develop their ability to think critically, communicate clearly, and perform effectively in a competitive job market by testing their skills in the production, processing and marketing of chickens, turkeys, processed poultry products and eggs. Beginning with January 2015, the top 10 finishing teams of the Poultry Evaluation CDE will receive an all-expense paid trip to the International Poultry Expo (IPE), part of the International Production & Processing Expo (IPPE) in Atlanta, Ga.

Poultry industry leaders will participate in a program that will inform the students about the multitude of career opportunities in the industry. Additionally, students will have an opportunity to visit the vast trade show floor to see the exciting technology used by today's modern, sustainable poultry industry.

"It is an honor for our high-achieving FFA members to attend the expo," said Dwight Armstrong, CEO of the National FFA Organization and National FFA Foundation. "It certainly will take their awareness of the poultry industry to a higher level, and by creating a tighter bond between FFA and the IPE, the poultry industry is tapping into a deep talent pool of bright young people committed to agriculture and excited about careers in the poultry, meat and feed sector. This is an investment in the future of the American poultry industry that should pay great dividends."

"The USPOULTRY Foundation is excited to announce this expansion of our relationship with FFA and the Career Development Event. Our Association has long been a supporter of the FFA Poultry Evaluation CDE, and we are pleased to be able to offer the teams an opportunity to experience the world's largest annual trade show for the poultry, meat and feed industries," remarked Maddox.

The following teams have been invited to attend the IPPE in January. They are listed in their order of finish: Hughson FFA, California; Lincoln FFA, Arkansas; Prairie Central FFA, Illinois; Wheaton FFA; Missouri; Gilmer FFA, Texas; Texico FFA, New Mexico; East Jackson High FFA, Georgia; Louisburg FFA, Kansas; Crest FFA, North Carolina; and Adair FFA, Oklahoma



John Starkey (center), with the Adair, Okla., FFA Poultry Evaluation Career Development Event top ten finishing team members.

Thanks to your support, we would not have accomplished this without a successful campaign. I'm certain some of these students will pursue careers in the poultry industry, and this would not have been possible without the campaign initiative.

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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