


THE UNIVERSITY OF GEORGIA
COLLEGE OF AGRICULTURAL & ENVIRONMENTAL SCIENCES



Poultry Science



100 years of service to the U.S. poultry industry...

Adam Davis

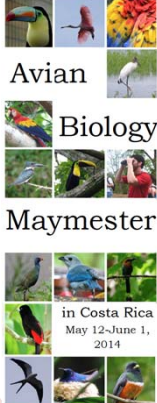
- ▶ Research: Nutrition
 - Amino Acid Interactions
 - Reproduction

- ▶ Teaching
 - Birds of Our Lives
 - Reproductive Endocrinology
 - Maymester Course

Majors Offered or Housed in the Department of Poultry Science

- ▶ Poultry Science
- ▶ Avian Biology
- ▶ Animal Health
- ▶ Biological Science



Avian
Biology
Maymester
in Costa Rica
May 12-June 1,
2014

UGA Poultry Science Students "Trained by Experts in the Field"



Mark Compton

Josiah Meigs Professor

- ▶ Research: Mol. Cell Biology
 - Cell biology
 - Immunology




- ▶ Teaching
 - Introduction to Poultry Science
 - Anatomy and Physiology
 - Avian Biomedical Techniques


Introduction to Poultry Science



Claudia Dunkley

Research:

- Environmental issues
- Nutrient management
- Carbon footprint




▶ **Teaching**

- Introduction to Poultry Science - ABAC/Tifton

Scott Russell

▶ **Research: Microbiology**

- Food Safety
- Salmonella



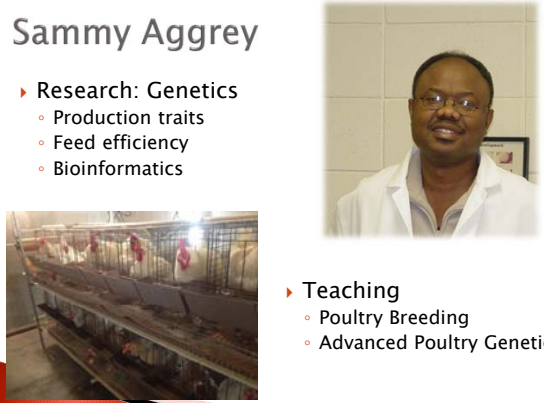
▶ **Teaching**

- Introduction to Poultry Science
- Poultry Processing
- Poultry Seminar

Sammy Aggrey

▶ **Research: Genetics**

- Production traits
- Feed efficiency
- Bioinformatics



▶ **Teaching**

- Poultry Breeding
- Advanced Poultry Genetics

Poultry Processing



Poultry Breeding and Advanced Poultry Breeding

▶ **Emphasis on the development of a genetically sound poultry breeding program**

- Principles of inheritance
- Measuring heritability of economic important traits
- Development of an effective selection program

Kristen Navara
Graduate Coordinator



- ▶ Research: Endocrinology
 - Reproduction
 - Sex differentiation
 - Avian physiology and behavior



- ▶ Teaching
 - Avian Biology: Ecology, Physiology, and Behavior

Behavior & Welfare of Domestic Animals

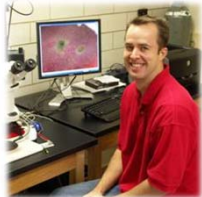
- ▶ The study of animal behavior is presented as it pertains to domestic birds and mammals, primarily of agricultural species. Animal welfare is introduced as a moral concept and as a subject informed by animal behavior.

Avian Biology: Physiology, Ecology, and Behavior


Course Goals

- Introduce students to the diversity of both wild and domestic avian species
- Challenge students to think in an integrative way about the many influences on avian behavior
- Draw links between wild and domestic species to better understand where domestic bird behavior originated.

Robert Beckstead
Undergraduate Coordinator



- ▶ Research: Molecular Biology
 - Transgenics
 - Coccidiosis
 - Histomonas



- ▶ Teaching
 - Avian Molecular Diagnostics
 - Biotechnology Lab
 - Agriculture in Culture

Bruce Webster
Extension Coordinator



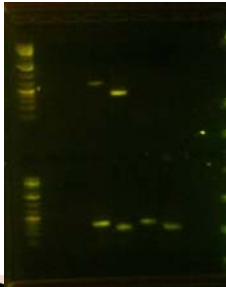
- ▶ Research: Animal Welfare
 - Behavior and Welfare
 - Layer Management
 - Environment



- ▶ Teaching
 - Behavior & Welfare of Domestic Animals
 - Advanced Poultry Production

Molecular Diagnostic and Research Tools in Avian Biology


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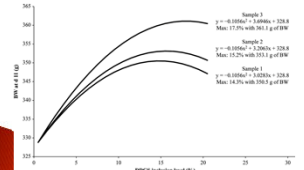
Negative for Histomonas and Trichomonas

Positive for Histomonas and trichomonas

Gene Pesti




- ▶ Research: Nutrition
 - Modeling
 - Amino Acid Requirements
 - Phosphorous Utilization



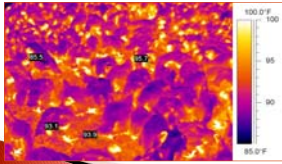
- ▶ Teaching
 - Poultry Production
 - Poultry Nutrition
 - Study Abroad

Brian Fairchild

Undergraduate recruitment



- ▶ Research: Broiler Production
 - Energy Conservation
 - Ventilation





- ▶ Teaching
 - Advanced Poultry Production

Poultry Production



Jeanna Wilson


- ▶ Research: Breeder Management
 - Incubation
 - Reproduction

- ▶ Teaching
 - Advanced Poultry Production


Poultry Science

“Maymester” in Toulouse France



- ▶ French and European Agricultural and Environmental Sciences
- ▶ Including Visits to see “Farm Raised” Chickens and “Foie Gras” Ducks

100 years of service to the U.S. poultry industry...



Advanced Poultry Production

Application of science to modern poultry production systems

- ▶ Current practices in broiler production and broiler breeder production
- ▶ Commercial layers
- ▶ Incubation and hatchery management,
- ▶ Poultry health and related areas.

Casey Ritz

Research: Environmental Management

- Air Admissions
- Nutrient Management




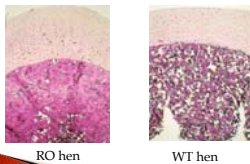

▶ Teaching

- Advanced Poultry Production
- Birds of Our Lives

Woo Kim

Research: Nutrition

- Bone Health
- Feed Additives
- Prebiotics and Probiotics

RO hen WT hen

Brian Kieper

Research: Waste Management

- Water Conservation
- Waste Water
- Processing



▶ Teaching

- Poultry Processing
- Introduction to Poultry Science

Nick Dale

Research: Nutrition

- Feed Ingredient Quality
- Alternative Ingredients
- TME




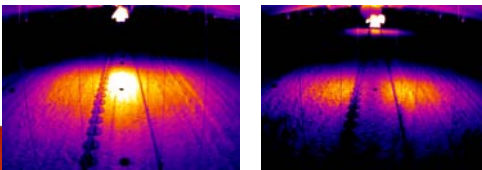

▶ Teaching

- Poultry Nutrition and Disease

Mike Czarick

▶ Research: Broiler Production

- Poultry house design
- Poultry house ventilation
- Tunnel ventilation
- Evaporative cooling
- Energy conservation

Retired Faculty But Still Willing to Help in a Pinch

- ▶ Joe Mauldin – Hatchery Management
- ▶ Larry McDougald – Poultry Parasitologist
- ▶ Dan Cunningham – Economics
- ▶ Bill Merka – Waste Management

