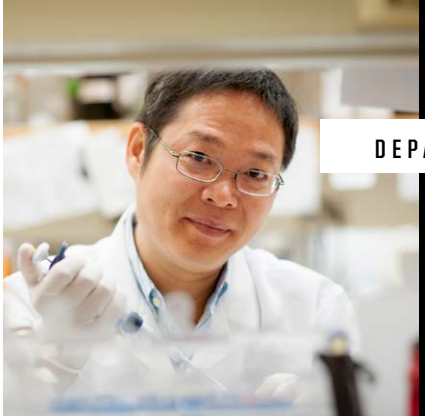

DEPARTMENT OF

ANIMAL SCIENCES

Research Overview

Animal Sciences focuses on research and technology transfer for efficient and sustainable production of high quality animal products optimizing animal well-being, enhancement of the human diet, and advancement of sound environmental practices.

Our faculty has expertise in the disciplines of growth and development, nutrition, breeding and genetics, physiology, management, and animal well-being and behavior.

Research Areas

ANIMAL PRODUCTION & MANAGEMENT SYSTEMS

- Nutrient Utilization
- Environmental Stewardship
- Efficiency Production
- Food Animal Product Development
- Animal Health and Well-Being
- Improvement in Reproduction
- Genomic Selection
- Physiology
- Facility Design

GENE REGULATION, STEM CELL & DEVELOPMENTAL BIOLOGY

- Quantitaive Genetics
- Genomics
- Transgenic Biology
- Comparative Animal Health & Disease

MOLECULAR ANIMAL PHYSIOLOGY & METABOLISM

- Nutrient Utilization & Partitioning
- Digestive Physiology & Absorption
- Obesity/Diabetes
- Tissue Growth Regulation
- Physiology of Reproduction & Lactation
- Meat Science and Muscle Biology

FOOD QUALITY & FOOD SAFETY

- Pre-harvest Intervention Strategies
- Microbime Systems
- Stress and Immunology
- Enhanced Nutrient Profiling

Pictured at left from top: Dr. Shihuan Kuang, Dr. Luiz Brito, Dr. Kola Ajuwon, Dr. Marisa Erasmus and Dr. Paul Ebner.

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