

# IOWA STATE UNIVERSITY

## College of Veterinary Medicine

### The Comprehensive Program in Food Supply Veterinary Medicine

Recognizing the demand for food animal veterinarians is growing along with increasing concerns about animal and human health, and food safety, the Iowa State University College of Veterinary Medicine has developed an aggressive program to better serve the food supply industry. Included are several new services and unique initiatives designed to interest students in this important area of the veterinary profession and prepare them to be effective practitioners.

#### **Veterinary Teaching Hospital Expansion Program**

The College of Veterinary Medicine has started a \$48 million, 55,000 square foot expansion program for its veterinary teaching hospital that will move food animal and equine medicine to new facilities in 2008.



Virtual illustration of the VTH expansion plan.

#### **Food Supply Veterinary Services**

Another major commitment is the establishment of Food Supply Veterinary Services, a new section of the Veterinary Diagnostic and Production Animal Medicine department. FSVS is focused on preparing professional students to practice Evidence- and Outcomes-based medicine and fill leadership roles in the food supply chain while establishing best management practices. A new course in production information management has attracted over 70 students in its first semester.

#### **Master of Public Health for Practicing Veterinarians**

A new program is a collaborative program between the College of Veterinary Medicine and the University of Iowa College of Public Health. This unique program offers veterinarians an opportunity to receive a Master of Public Health degree while continuing in their current job position.

#### **Embryo Transfer Service**

Iowa State's bovine embryo transfer service is making a new level of training and service available to students, veterinarians and producers throughout the region. The service provides students and practicing



veterinarians with training in embryo transfer, and provides the general public with a wide range of embryo transfer services.

#### **Pathology Training**

Iowa State's training program for board-certification is ranked among the highest in the U.S. by the American College of Veterinary Pathologists. Over 90% of training research focuses on food animal related diseases and models.

#### **Veterinary Diagnostic Laboratory**

The Veterinary Diagnostic Laboratory at Iowa State processes more than 40,000 cases a year, making it one of the leading food animal health testing labs in the country. Efforts are diversifying with new development work in toxicology focusing on the content, safety and use of co-products in livestock feed.

#### **Institute for Food Safety and Security**

A university-wide organization dedicated to protecting the nation's agriculture and serve producers, processors and consumers through rapid identification and effective responses to food safety and security concerns that have impact throughout the global food chain.

## Regional Education Program

Agreements with North Dakota and South Dakota, and a unique program with the University of Nebraska - Lincoln (UNL) provide excellent opportunities for students in these major food supply animal producing states. The ISU-UNL program combines the resources of the country's two leading food animal production states. Iowa State's strong swine program and growing dairy program, plus the resources offered by UNL and its Great Plains Veterinary Education Center, provide students with outstanding expertise, experience and opportunities to study food supply medicine with outstanding expertise, as well as keeping students involved in mixed and food supply animal medicine in the region.

## Recruiting and Preparing Students for Food Supply Medicine

### V-SMART

Veterinary Student Mixed Animal Recruitment Team (V-SMART) is a student group focused on recruiting present and prospective veterinary medical students into food and mixed animal medicine. In 2006, 60 student leaders hosted 26 events in 21 locations and reached more than 1,000 prospects. The V-Smart effort has caught national attention. Several professional associations support this effort including the American Association of Bovine Practitioners, American Association of Swine Veterinarians, and the Iowa Veterinary Medical Association. The concept is being evaluated for implementation at several other colleges of veterinary medicine.

## Immersive Student Experiences

The College of Veterinary Medicine worked with practitioners and industry and corporate partners to develop and introduce two unique summer programs in 2006 that will continue in 2007. The programs are designed to expose students to mixed, food animal, and swine and dairy-focused veterinary practice through hands-on experience in the full food production cycle.

**For more information on any of these programs, please contact the College of Veterinary Medicine at Iowa State University: 515-294-1242.**

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**SPIKE** (Swine Production Immersive Knowledge Experience) experience included: breeding and farrowing, nursery, finisher, boar stud, warehouse, transportation, feed milling, slaughter plant, and shadowing a swine veterinarian.



**D-PIKE** (Dairy Production Immersive Knowledge Experience) experience included: milking parlor management, udder health, breeding and fertility, fresh cow management, nutrition and feeding, environmental and business management, and shadowing a dairy veterinarian.

**New Program:** Work is in progress on establishing a partnership with a 6,000 head dairy that will provide outstanding learning opportunities.

