



Research to protect, treat and cure animals.

## 2007 Winners

### **Charity J. Uman**

Investigation of Specific Pathological Changes Associated with  
Coracosternal Luxations in Birds Admitted for Rehabilitation  
St. George's University

### **Marianne Bailey**

Development of a Transdermal Phenylbutazone Product for Deer  
Auburn University

### **J. Brooke Davis**

The Molecular Basis for Inherited Macrothrombocytopenia in Cavalier King  
Charles Spaniels  
Auburn University

### **Kim Dean**

Ants as a Source of Canine Mesocystoides Infections  
University of California/Davis

### **Brynne Kaplan Dau**

Derelict Fishing Gear-Related Injury and Mortality in California Coastal  
Marine Wildlife  
University of California/Davis

### **Lauren Kloer**

Prevalence of *Dirofilaria immitis* (Heartworm Disease) in Dogs and Cats in  
an Animal Shelter in Larimer County, CO  
Colorado State University

### **Amy Alexander**

Techniques in Digital Radiography of Asian Elephant  
(*Elephas maximus*) Feet  
University of Florida

### **Katherine A. Doerr**

Use of Transmission Electron Microscopy (TEM) in the Evaluation of the  
Composition of Keratohyaline Granules, Lipid Lamellae, and  
Lamellar Bodies  
University of Florida

**Annie Lo**

Effects of Forest Fragmentation and Domestic Livestock Interaction on the Transmission of Water Borne Microbes between Non-human Primates and Livestock in Kibale National Park, Uganda  
University of Illinois

**Sarah Waxman**

The Effects of Flunixin Meglumine on the Ex-Vivo Protein Binding of Lidocaine in Horses  
Kansas State University

**Brenna Hanly**

Ovulation in Mare: Time of Day of Ovulation Following hCG Administration at 8 am vs. 8 pm  
Louisiana State University

**Kristen Thane**

Prognostic Factors and Microbiology of Abdominal Sepsis in Dogs  
Tufts University

**Corynne M. Mulcahy**

Genomic Tools for Rhinoceros Conservation  
Tufts University

**Aric Frantz**

Characterization of Dog Multi-Potent Adult Progenitor Cells  
University of Minnesota

**Aubrey Tauer**

Antibiotic Resistance in Water Sources Common to Humans, Domestic Animals, and Mountain Gorillas  
University of Minnesota

**Eric Dent**

Detection of Spinal Ataxia in Horses with a Wireless Body Sensor System Using Fuzzy Clustering of Body Position Uncertainty  
University of Missouri

**Kelly Britt**

Evaluation of Fatty Acid Methyl Ester Profiles as Potential Biomarkers for Metabolic Health Status of Corals  
North Carolina State University

**Jennifer Jones Shults**

Effect of Cyclooxygenase Inhibitors on Expression of COX Isoforms in  
Equine Whole Blood  
North Carolina State University

**Keara Boss**

The Use of Laser Microdissection to Isolate Specific Neoplastic Populations  
of Canine Lymphoma Cells  
North Carolina State University

**Hillary Voris**

Activity of Decitabine, a Demethylating Agent, on Tumor Suppressor  
Genes in Canine Lymphoma  
The Ohio State University

**Stacy Dralle**

Prevalence of Diabetes in Captive Tamandua in AZA Institutions  
The Ohio State University

**Scarlett Magda**

Estimating the Prevalence of Harness-Related Injuries in Asian Elephants  
and Determining if Animal Welfare and Productivity Can Be Improved with  
Suitable Harnesses  
University of Guelph

**Tanya Sparling**

Examination of Sickness Behavior in Dogs with Lymphoma Treated  
with Chemotherapy  
University of Guelph

**Holly Protain**

Preputial Epithelial Cytology as a Screening Test for Adrenal Tumors in  
Ferrets  
Oregon State University

**Melissa Mustillo**

Influence of a High Protein, Low Carbohydrate Diet on Urinary Saturation for  
Calcium Oxalate in Healthy Cats  
University of Tennessee

**Jennifer Bernard**

Detection of Coronavirus Shedding in Captive and Wild-caught Cheetahs  
in Southern Africa Using Real-Time PCR  
University of Tennessee

**Amanda Taylor**

Prevalence of Community-Associated Methicillin-Resistant Staphylococci  
in Clinically Normal Companion Animals  
Texas A&M University

**Matt Kinney**

Administration of a Pre-operative Opioid Analgesic will Decrease the Post-  
operative time for Turtles to Return to Normal Behavior  
University of Wisconsin-Madison

**Robin Fox**

The Presence of Bacterial DNA Within the Stifle Joint of Dogs with  
Inflammatory Arthritis  
University of Wisconsin-Madison