

PHI ZETA RESEARCH AWARD (EST. 1978) RECIPIENTS

Revised 5/09/07

2007

- Basic: Dr. Jennifer Buur North Carolina State *"Use of probabilistic modeling within a physiologically based pharmacokinetic model to predict sulfamethazine residue withdrawal times in edible tissues in swine."*
- Clinical: Dr. D. M. W. Schaefer Ohio State *"Quantification of plasma DNA as a prognostic indicator in canine lymphoid neoplasia."*

2006

- Basic: Dr. Charlie C. Hsu Missouri *"Development of a microsphere-based serologic multiplexed fluorescent immunoassay and a reverse transcriptase PCR assay to detect murine norovirus 1 infection in mice."*
- Clinical: Dr. Natalie A. Carrillo Florida *"Disposition of orally administered cefpodoxime proxetil in foals and adult horses and minimum inhibitory concentration of the drug against common bacterial pathogens of horses."*

2005

- Basic: Dr. Sang Ho Cha Iowa State *"Instability of the restriction fragment length polymorphism pattern of open reading frame 5 of porcine reproductive and respiratory syndrome virus during pig-to-pig passages"*
- Clinical: Dr. Mark W. Bohling Auburn *"Cutaneous wound healing in the cat: A macroscopic description and comparison with cutaneous wound healing in the dog"*

2004

- Basic: Dr. Anna K. Rotting Illinois *"Effects of acetylcysteine and migration of resident eosinophils in an in vitro model of mucosal injury and restitution in equine right dorsal colon"*
- Clinical: Dr. Erica C. McKenzie Oklahoma State *"Effect of dietary starch, fat, and bicarbonate content on exercise responses and serum creatine kinase activity in equine recurrent exertional rhabdomyolysis"*

2003

- Basic: Dr. W. Daniel Mertens Texas A&M *"Polysulphated Glycosaminoglycans Modulate Transcription of Interleukin-1B Treated Chondrocytes in Monolayer Cultures"*
- Clinical: Dr. Alison J. Patricelli Wisconsin *"Juvenile Pubic Symphysiodesis in Dysplastic Puppies at 15 and 20 Weeks of Age"*

2002

- Basic: Dr. C-C. Chang Iowa State *Evolution of Porcine Reproductive and Respiratory Syndrome Virus (PRRSV) during Sequential Passages in Pigs*
- Clinical: Dr. Wesley T. Cook Virginia Tech *Influence of an interdental full pin on stability of an acrylic external fixator for rostral mandibular fractures in dogs*

2001

- Basic: Dr. Nigel B. Campbell North Carolina State *The role of cyclooxygenase inhibitors in repair of ischaemic-injured jejunal mucosa in the horse.*
- Clinical: Dr. Kerry Barling Texas A&M *Association of serologic status for Neospora caninum with post-weaning weight gain and carcass measurements in beef calves*

2000

- Basic: Dr. K. O. Chang Ohio State *Dual infection of gnotobiotic calves with bovine strains of group A and porcine-like group C rotaviruses influences pathogenesis of the group C rotavirus*
- Clinical: Dr. Henri C. Bianucci Virginia Tech *Periodontal healing of canine experimental grade-III furcation defects treated with autologous fibrinogen and absorbable barrier membrane*

1999

- Basic: Dr. Xiaoping Zhu Wisconsin *A chimeric protein comprised of bovine herpesvirus type 1 glycoprotein D and bovine interleukin-6 is secreted by yeast and possesses biological activities of both molecules*
- Dr. Nathaniel D. Collins Ohio State *Selective ablation of human T-cell lymphotropic virus type 1 p12^l reduces viral infectivity in vivo*
- Clinical: Dr. Gary S. Hogge Wisconsin *Development of human granulocyte-macrophage colony-stimulating factor-transfected tumor cell vaccines for the treatment of spontaneous canine cancer*

1998

Basic:	Dr. Mark L. Lawrence	Louisiana State	<i>Attenuation, Persistence, and Vaccine Potential of an Edwardsiella ictaluri purA Mutant</i>
Clinical:	Dr. Lynn Guptill	Purdue	<i>Use of the Urine Cortisol: Creatinine Ratio to Monitor Treatment Response in Dogs with Pituitary-Dependent Hyperadrenocorticism</i>

1997 (First Year that Basic & Clinical Research Areas were separated)

Basic:	Dr. Veera S. Perumaalla	Texas A & M	<i>Molecular Epidemiology of Mycobacterium bovis in Texas and Mexico</i>
Clinical:	Dr. Peter A. Graham	Michigan State	<i>How long do diabetic dogs live? Survival data analysis in small animal clinical research</i>

1996

	Dr. Thereasa M. Albers	Tufts U	<i>Fate of Polarized Membrane Components and Evidence for Microvillus Disassembly on Migrating Enterocytes During Repair of Native Intestinal Epithelium</i>
	Dr. Elizabeth A. Sabin	Cornell U	<i>Early IL-4 Production by Non-CD4+ Cells at the Site of Antigen Deposition Predicts the Development of a T Helper 2 Cell Response to Schistosoma mansoni Eggs</i>

1995

	Dr. Elisabeth Zenger	Texas A&M	<i>Laser Cytometric Analysis of FIV-Induced Injury in Astroglia</i>
	Dr. Mark D. Rolsma	U of Illinois	<i>Assay for Evaluation of Rotavirus-Cell Interactions: Identification of an Enterocyte Ganglioside Fraction That Mediates Group A Porcine Rotavirus Recognition</i>

1994

	Dr. James B. Rottman	North Carolina State	<i>A Reverse Transcription-polymerase Chain Reaction Technique to Measure Expression of Feline Cytokine Genes</i>
	Dr. Fushun Shi	U of Wisconsin	<i>In vitro and in vivo Effect of Doxorubicine Combined with Liposome-Encapsulated Muramyl Tripeptide on Canine Monocyte Activation</i>

1993

	Dr. Kris T. Kruse-Elliott	North Carolina State	<i>CGS 8515 and Indomethacin Attenuate Cytokine-Induced Cardiopulmonary Dysfunction in Pigs</i>
	Dr. Bernhard Kaltenboeck	Louisiana State	<i>Two-Step Polymerase Chain Reactions and Restriction Endonuclease Analyses Detect and Differentiate ompA DNA of Chlamydia species</i>

1992

Dr. Debra Clabough Sellon North Carolina State *Immune-Mediated Thrombocytopenia in Horses Infected with Equine Infectious Anemia Virus*

Dr. Ariel L. Rivas Cornell *A Canine Febrile Disorder Associated with Elevated Interleukin-6*

1991

Dr. Peter R. Gray Michigan State *Epithelial Strips: An Alternate Technique for Examining Arachidonate Metabolism in Equine Tracheal Epithelium*

Dr. William L. Donaldson Cornell *Invasive Equine Trophoblast Expresses Conventional Class I Major Histocompatibility Complex Antigens*

1990

Dr. Kenneth W. Simpson Ohio State *Biochemical Changes in the Jejunal Mucosa of Dogs with Exocrine Pancreatic Insufficiency Following Pancreatic Duct Ligation*

Dr. Sheila M. F. Torres U of Minnesota *Effect of Oral Prednisolone on Thyroid Function in Dogs*

1989

Dr. Paul D. Pion U of California *Myocardial Failure in Cats Associated with Low Plasma Taurine: A Reversible Cardiomyopathy*

Dr. Mary M. Christoper U of Minnesota *Contribution of Propylene Glycol-Induced Heinz Body Formation to Anemia in Cats*

1988

Dr. Richard A. Fayrer-Hosken U of Georgia *Use of Salt-Stored Zona Pellucida for Assessing Rabbit Sperm Capacitation for In Vitro Fertilization*

Dr. K. A. A. Hussain Louisiana State *Antigenic Analysis of Equine Infectious Anemia Virus (EIAV) Variants by Using Monoclonal Antibodies: Epitopes of Glycoprotein gp90 of EIAV Stimulating Neutralizing Antibodies*

1987

Dr. Charles Anderson U of California

Dr. Fenwick Kansas State *Mechanisms Involved in the Protection Provided by Immunization Against Chor Lipopolysaccharides of E coli (J5) from Lethal Haemophilus pleuropneumoniae Infections in Swine*

1986

1985

1984

Dr. T Michael Burke

1983

1982

Dr. David J. Polzin

U of Minnesota

Influence of Modified Protein Diets on Morbidity, Mortality, and Renal Function in Dogs with Experimental Chronic Renal Failure

1981

Dr. Martha C. Lindsay