

## NATIONAL PHI ZETA RESEARCH AWARD (EST. 1978) RECIPIENTS

Revised 4/19/04

### 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<sup>l</sup> 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 *Attenuation, Persistence, and Vaccine Potential of an Edwardsiella ictaluri purA Mutant*
- Clinical: Dr. Lynn Guptill Purdue *Use of the Urine Cortisol: Creatinine Ratio to Monitor Treatment Response in Dogs with Pituitary-Dependent Hyperadrenocorticism*

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

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

**1996**

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

**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	<i>Immune-Mediated Thrombocytopenia in Horses Infected with Equine Infectious Anemia Virus</i>
Dr. Ariel L. Rivas	Cornell	<i>A Canine Febrile Disorder Associated with Elevated Interleukin-6</i>

**1991**

Dr. Peter R. Gray	Michigan State	<i>Epithelial Strips: An Alternate Technique for Examining Arachidonate Metabolism in Equine Tracheal Epithelium</i>
Dr. William L. Donaldson	Cornell	<i>Invasive Equine Trophoblast Expresses Conventional Class I Major Histocompatibility Complex Antigens</i>

**1990**

Dr. Kenneth W. Simpson	Ohio State	<i>Biochemical Changes in the Jejunal Mucosa of Dogs with Exocrine Pancreatic Insufficiency Following Pancreatic Duct Ligation</i>
Dr. Sheila M. F. Torres	U of Minnesota	<i>Effect of Oral Prednisolone on Thyroid Function in Dogs</i>