**VETERINARY SUMMER SCHOLARS PROGRAM PROJECTS, 2017-2020**

(Alpha by Mentor last name)

1. **Mentor:** Gregory Amberg, BMS  
**Scholar:** Lydia Smith-Osborne, NIH Trainee  
**Research Project:** Visualization of calcium and oxidant signaling proteins in dopaminergic neurons

2. **Mentor:** Marisa Ames, CS  
**Scholar:** Kaitlyn Brunk, Boehringer Ingelheim  
**Research Project:** Comprehensive evaluation of the circulating renin-angiotensin-aldosterone system in normal dogs and dogs with stage B2/B3 myxomatous mitral valve disease

3. **Mentor:** Anne Avery, MIP  
**Scholar:** Shaina Brown, Canine Lymphoma Foundation  
**Research Project:** Differential phosphorylation between tumor and non-tumor T cells in canine T cell lymphoma

4. **Mentor:** Anne Avery, MIP  
**Scholar:** Emily Garrison, Canine Lymphoma Foundation  
**Research Project:** Enumerating regulatory T cells in lymphoma and leukemia

5. **Mentor:** Paul Avery, MIP  
**Scholar:** Alana Kuzmik, NIH Trainee  
**Research Project:** Further characterization of canine small B cell lymphomas

6. **Mentor:** Jessica Ayers, Lab Animal Resources  
**Scholar:** Ben Singh, ASLAP Fellowship  
**Research Project:** Analgesia and animal welfare

7. **Mentor:** Susan Bailey, ERHS  
**Scholar:** Aryn Bordman, Boehringer Ingelheim  
**Research Project:** Evaluating telomere length as a biomarker of reproductive stress and radiation exposure in Wild Boar and Japanese Rat Snakes

8. **Mentor:** Susan Bailey, ERHS  
**Scholar:** Meredith Scarborough, NIH Trainee  
**Research Project:** Telomeres and varying lifespans in a range of rodent species

9. **Mentor:** Angela Bosco-Lauth, BMS  
**Scholar:** Audrey Walker, USDA Animal Health & Disease Scholar  
**Research Project:** Evaluation of SARS-2 infection and transmission in domestic livestock

10. **Mentor:** Keara Boss, ERHS  
**Scholar:** Alexandra Gold, Boehringer Ingelheim  
**Research Project:** The combined effect of radiation and an experimental therapeutic on tumor response in cell culture
11. Mentor: Keara Boss, ERHS  
Scholar: David Perry, NIH Trainee  
Research Project: Measuring Tumor Oxygenation in Canine Cancer Patients Undergoing Radiotherapy using a Novel Optical Spectroscopy Device

12. Mentor: Keara Boss, ERHS  
Scholar: Remy Watts, CVMBS Dean's Office  
Research Project: Integrating immunotherapy with radiotherapy to improve tumor control for canine cancer patients

13. Mentor: Richard Bowen, BMS  
Scholar: Michelle Evans, NIH Trainee  
Research Project: Transmission of chikungunya virus between mosquitoes and ectothermic vertebrates within an artificial ecosystem

14. Mentor: Richard Bowen, BMS  
Scholar: Sneha Krishnan, NIH Trainee  
Research Project: Identification of ecototherm reservoir for Mayaro virus

15. Mentor: Richard Bowen, BMS  
Scholar: Lauren Guilbert, USDA Animal Health & Disease Scholar  
Research Project: Evaluate the susceptibility of peri-domestic rodents to infection with SARS-CoV-2

16. Mentor: Luciano Caixeta, CS  
Scholar: Samuel Scheu, USDA Animal Health & Disease Scholar  
Research Project: Evaluation of selective dry cow treatment on milk microbiome and post-partum udder health

17. Mentor: Elaine Carnevale, BMS  
Scholar: Caroline Foley, Agriculture Experiment Station  
Research Project: Viability of equine embryos produced in vitro can be determined by morphology and speed of development

18. Mentor: Gregg Dean, MIP  
Scholar: Morgan Pearson, Boehringer Ingelheim  
Research Project: Determining correlates of Immunity Associated with Feline Enteric Coronavirus Infection

19. Mentor: Gregg Dean, MIP  
Scholar: Sophie Epstein, NIH Trainee  
Research Project: Validating the specificity of candidate FIP aptamers using liquid chromatography with tandem mass spectrometry

20. Mentor: Gregg Dean, MIP  
Scholar: Mikaela Henry, CVMBS Dean's Office  
Research Project: Novel Vaccine for Feline Enteric Coronavirus using recombinant Lactobaccillus acidophilus

21. Mentor: Steve Dow, CS  
Scholar: Jayne Ellis, NIH Trainee  
Research Project: Use of psychotropic medications on intake to an animal shelter
22. **Mentor:** Steve Dow, CS  
**Scholar:** Vanessa Rozo, NIH Trainee  
**Research Project:** Mucosal Immune effects on the macrophage BOMAC cell line when stimulated by a bacteria

23. **Mentor:** Steve Dow, CS  
**Scholar:** Brian DeFillippo, NIH Trainee  
**Research Project:** Immune Modulatory Effects of Common Antibodies on Canine Adaptive and Innate Immune Responses

24. **Mentor:** Steve Dow, CS  
**Scholar:** Grace Flynn, Boehringer Ingelheim  
**Research Project:** Development of a Novel Topical Ocular Immunotherapy for the Treatment of Viral Diseases of the Eye

25. **Mentor:** Felix Duerr, CS  
**Scholar:** Jack Pierce, Boehringer Ingelheim  
**Research Project:** Defining Canine Tibial Long Axi

26. **Mentor:** Felix Duerr, CS  
**Scholar:** Sydney Rosen, Morris Animal Foundation  
**Research Project:** Prospective Evaluation of Orthoses in Canine Patients

27. **Mentor:** Colleen Duncan, MIP  
**Scholar:** Brian DeFilippo, Boehringer Ingelheim  
**Research Project:** Epidemiology of Cyanobacteria Toxicity in Pets in a Warming Climate

28. **Mentor:** Colleen Duncan, MIP  
**Scholar:** Maria Koytcheva, One Health Initiative  
**Research Project:** Development of an educational program for environmentally sustainable veterinary clinics

29. **Mentor:** Colleen Duncan, MIP  
**Scholar:** Leah Sauerwein, One Health Initiative  
**Research Project:** Development of an educational program for environmentally sustainable veterinary clinics

30. **Mentor:** Jeremiah Easley, CS  
**Scholar:** Robert Hendrickx, Boehringer Ingelheim International  
**Research Project:** Development of a clinically relevant rotator cuff tear model

31. **Mentor:** Ryan Ferris, CS  
**Scholar:** Lauren Eytalis, USDA Animal Health & Disease Scholar  
**Research Project:** Incidence of uterine bacterial contamination, biofilm, and latent bacteria following breeding in the horse

32. **Mentor:** Brian Foy, MIP  
**Scholar:** Kyrie Ivanovich, NIH Trainee  
**Research Project:** Control of mosquito-borne pathogens using endectocidal drugs and anti-vector vaccines

33. **Mentor:** Kate Freeman, CS
Maggie Rollert, NIH Trainee
Using a sentinel species to model cataract effects of ionizing radiation in Fukushima

Laurie Goodrich, CS
Bethany Liebig, NIH Trainee
Platelet-rich plasma combined with bone marrow-derived mesenchymal stem cells to enhance long bone healing in a critical-sized defect

Laurie Goodrich, CS
Gabi Kawahisa Piquini, USDA Animal Health & Disease Scholar
Amikacin toxicity in normal equine joint cells and mesenchymal stromal cells

Lynn Griffin, ERHS
Sarah Deluty, PetSmart Charities
A Multi-institutional Study Comparing the Prevalence and Etiology of Rhinitis in Dogs with Sinonasal Cancers Treated with Fractionated Radiation Therapy vs. Stereotactic Radiation Therapy

Lynn Griffin, ERHS
Patricia Marquez-DiPaulo, CVMBS Dean's Office
Predisposing Factors of Nasal Fistulas and Osteonecrosis Development Following Stereotactic Radiation Therapy

Daniel Gustafson, CS
Reed Schultz, NIH Trainee
Cell death following the inhibition of autophagy in cancer cells

Amanda Gurth, CS
Haemin Park, NIH Trainee
Generation of Metabolically Viable and Replication Incompetent Whole Cell Tumor Vaccines

Eileen Hackett, CS
Kelsea Ericksen, Boehringer Ingelheim
Laser Plume Generation and its Potential Associated Risks

Eileen Hackett, CS
Kelsea Ericksen, NIH Trainee
Characterization of Plumes Generated During Surgical Diode Laser Application

Kelly Hall-Wilke, CS
Jessica Rutten, Boehringer Ingelheim
Analysis of the 2019 Registry Summary for the ACVECC VetCOT Trauma Initiative Annual Report

Diana Hassel, CS
Ally Creigh, USDA Animal Health & Disease Scholar
Effects of acetylcholinesterase inhibition on quality of recovery and post-operative gastrointestinal dysfunction from isoflurane and sevoflurane-induced anesthesia in horses
44. Mentor: Kevin Haussler, CS  
Scholar: Shana Wolfer, USDA Animal Health & Disease Scholar  
Research Project: Tissue heating and cooling properties of a dry-interface pneumatic sleeve applied to the equine distal limb

45. Mentor: Fred Hoerndli, BMS  
Scholar: Serena Mancha, NIH Trainee  
Research Project: Regulation of iGluR transport and synaptic function with influence from Reactive Oxygen Species

46. Mentor: Tuula Hollmen, University of Alaska  
Scholar: Jonathan Maxwell, USDA Animal Health & Disease Scholar  
Research Project: Animal Health Impacts, Responses and Needs Arising from Climate Change in Alaska

47. Mentor: Ed Hoover, MIP  
Scholar: Dave Bissinger, USDA Animal Health & Disease Scholar  
Research Project: Rapid Sensitive Detection of Chronic Wasting Disease in Cervid Muscle

48. Mentor: Ed Hoover, MIP  
Scholar: Lauren Bracchi, Foundation Funds  
Research Project: Lympoid Cell Infection During Early Prion Disease

49. Mentor: Naomi Hoyer, CS  
Scholar: Lily Davis, Boehringer Ingelheim  
Research Project: Determining the most efficacious method of feline maxillary nerve blocks

50. Mentor: Valerie Johnson, CS  
Scholar: Kathryn Asatryan, USDA Animal Health & Disease Scholar  
Research Project: Activated mesenchymal stem cell therapy for treatment of Klebsiella pneumonia infection in a murine model

51. Mentor: Rebekah Kading, MIP  
Scholar: April Regas, USDA Animal Health & Disease Scholar  
Research Project: Landscape characteristics associated with mosquito breeding and dispersal patterns around areas of livestock production

52. Mentor: Chris Kawcak, CS  
Scholar: Megan Posukonis, Colorado Racing Commission  
Research Project: Fracture Characterization in Computed Tomography and Radiography in Equine Thoroughbreds as a Retrospective Diagnostic Approach

53. Mentor: Chris Kawcak, CS  
Scholar: Megan Posukonis Boehringer Ingelheim  
Research Project: Characterization of Bone Mineral Density Variation in Equine Third Metacarpal Bones with and Without a Radiographic Phantom

54. Mentor: Lon Kendall, Lab Animal Resources  
Scholar: Megan Ellis, ASLAP Trainee  
Research Project: Genetic monitoring of laboratory cats
<table>
<thead>
<tr>
<th>Mentor:</th>
<th>Lon Kendall, Lab Animal Resources</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scholar:</td>
<td>Jeffrey Kim, ASLAP Trainee</td>
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<td>Research Project:</td>
<td>Pain management in laboratory rats</td>
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<td>HIV induces activity-dependent cerebral hyperexcitability via cGMP-dependent protein kinase II activation in the FIV infection model</td>
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<td>Molecular pathways underlying Feline immunodeficiency virus (FIV)-induced neuropathology</td>
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<td>Misha Harrison, Boehringer Ingelheim</td>
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<td>A review of the therapeutic properties of mesenchymal stromal cells from different connective tissues</td>
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<th>Gabriele Landolt, CS</th>
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<td>Scholar:</td>
<td>Carson Zweck-Bronner, USDA Animal Health &amp; Disease Scholar</td>
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<td>Research Project:</td>
<td>Surveillance of Colorado Equine Rescue Populations for Infectious Disease Shedding</td>
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<td>Sienna Drizen, PetSmart Charities</td>
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<td>Use of Psychotropic Medications on Intake to an Animal Shelter to Decrease Stress Related Clinical Signs in Cats and Dogs</td>
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<td>Effect of a Commercially Available Probiotic on Giardia Treatment Outcomes in Shelter Dogs</td>
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<td>Prevalence of Leptospira spp. antibodies in dogs in Baja Sur, Mexico</td>
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<td>Scholar:</td>
<td>Laurel Krause, Boehringer Ingelheim</td>
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</table>
Research Project: Evaluation of an in-clinic test for detection of Leptospire spp. antibodies in cats

Mentor: Michael Lappin, CS
Scholar: Laurel Krause, Morris Animal Foundation Scholar
Research Project: Evaluation of novel causes of chronic kidney disease in cats

Mentor: Michael Lappin, CS
Scholar: Natalia Gil, Nestle Purina
Research Project: Effect of a probiotic (Enterococcus faecium SF68) on cats with CKD

Mentor: Michael Lappin, CS
Scholar: Claire Hovenga, PetSmart Charities
Research Project: Assessment of a stress relieving diet on prevalence of upper respiratory disease and diarrhea in cats housed in a shelter

Mentor: Michael Lappin, CS
Scholar: Amy Zug, PetSmart Charities
Research Project: Assessment of an immunomodulator on the duration of signs of URI in’s shelter dogs and cats

Mentor: Michael Lappin, CS
Scholar: Alidia Cornelissen, Boehringer Ingelheim
Research Project: Prevalence of bloodborne pathogens in client owned cats in the Netherlands

Mentor: Michael Lappin, CS
Scholar: Hayley Clark, YIA
Research Project: Effect of a Probiotic with Psyllium on Incidence of Diarrhea in Shelter Cats

Mentor: Michael Lappin, CS
Scholar: Kelsey Dobesh, YIA
Research Project: Serologic Responses to Oral Administration of a FHV-1 and FCV Containing Vaccine

Mentor: Michael Lappin, CS
Scholar: Sienna Drizen, YIA
Research Project: Streptococcus Equi Zooepidemicus Outbreaks in Colorado Shelter Dogs

Mentor: Michael Lappin, CS
Scholar: Jeremy Kiene, YIA
Research Project: Effect of a probiotic with psyllium on clavamox diarrhea in cats

Mentor: Michael Lappin, CS
Scholar: Whitney Weaver, YIA
Research Project: Parainfluenza virus outbreaks in client-owned dogs

Mentor: Michael Lappin, CS
Scholar: Anna Winner, PetSmart Charities
Research Project: Role of Streptococcus equi var. zooepidemicus and influenza viruses in cats with URI in shelters
| Mentor: Del Leary, ERHS | Scholar: Adam Mattick, Boehringer Ingelheim | Research Project: Construction of a Machine Learning Database for Computed Tomography in Veterinary Medicine |
| Mentor: Amy MacNeill, MIP | Scholar: Bryce Zietz, Boehringer Ingelheim | Research Project: Innate Immune Response of Canine Cells to Oncolytic Virus |
| Mentor: Amy MacNeill, MIP | Scholar: Holly Grams-Johnson, Boehringer Ingelheim | Research Project: Characterization of the cellular immune response of solid canine tumors to recombinant myxoma virus |
| Mentor: Amy MacNeill, MIP | Scholar: Jassmine McCoy, NIH Trainee | Research Project: Myxoma virus with pro-apoptotic protein producing oncolysis in canine tumor cells |
| Mentor: Sheryl Magzamen, ERHS | Scholar: Bonni Beaupied, USDA Animal Health & Disease Scholar | Research Project: Cows as Canaries |
| Mentor: Sheryl Magzamen, ERHS | Scholar: Joshua Moore, USDA Animal Health & Disease Scholar | Research Project: Small Animal Health Impacts of Ambient Air Pollution |
| Mentor: Sheryl Magzamen, ERHS | Scholar: Bonni Beaupied, CVMBS Dean’s Office | Research Project: Dairy Cows as Sentinels for Regional Air Quality in Colorado |
| Mentor: Candace Mathiason, MIP | Scholar: Shira Bleicher, Boehringer Ingelheim | Research Project: Characterization of the Placental Histostructure in Guinea Pigs |
| Mentor: Candace Mathiason, MIP | Scholar: Norine Ornellas-Walsh, Boehringer Ingelheim | Research Project: Developing an Immunologic Profile of Normal Mouse Placenta on Day 18.5 or Pregnancy |
| Mentor: Christie Mayo, MIP | Scholar: Morgan Miller, USDA Animal Health & Disease Scholar | Research Project: Monitoring levels of vector populations for Vesicular Stomatitis Virus |
| Mentor: Christie Mayo, MIP | Scholar: Elle Holbrook, USDA Animal Health & Disease Scholar | Research Project: Genetic characterization and comparative genome analysis of vesicular stomatitis virus isolates from Colorado |
| Mentor: Christie Mayo, MIP | Scholar: Rachel Conway, Mentor Funded | Research Project: Ecology of Vesicular Stomatitis Virus (VSV) in North America |
90. **Mentor:** Christie Mayo, MIP  
**Scholar:** Lauren Riggs, USDA Animal Health & Disease Scholar  
**Research Project:** Co-infection of EHDV and BTV in Culicoides Cell Culture

91. **Mentor:** Christie Mayo, MIP  
**Scholar:** Nicole Towner, USDA Animal Health & Disease Scholar  
**Research Project:** Comparing genetic diversity of the Bluetongue virus genome under different ecological conditions

92. **Mentor:** Stephanie McGrath, CS  
**Scholar:** Katie Redd, AKC Canine Health Foundation  
**Research Project:** Efficacy of Cannabidiol for the Treatment of Epilepsy in Dogs

93. **Mentor:** Stephanie McGrath, CS  
**Scholar:** Chase Gross, NIH Trainee  
**Research Project:** The effect of cannabidiol on canine glioma cells

94. **Mentor:** Stephanie McGrath, CS  
**Scholar:** Samantha Thomas, Mentor Funded  
**Research Project:** Cannabidiol Clinical Trials in Dogs with Epilepsy

95. **Mentor:** Stephanie McGrath, CS  
**Scholar:** Justine Stalnaker, Boehringer Ingelheim  
**Research Project:** Efficacy of cannabidiol for the treatment of canine epilepsy

96. **Mentor:** Ashley McGrew, MIP  
**Scholar:** Emily McDermott, Georgia Norris Scholar  
**Research Project:** Exploration of the use of web-based tools in parasitology teaching and outreach

97. **Mentor:** Valerie Moorman, CS  
**Scholar:** Elizabeth Larsen, USDA Animal Health & Disease Scholar  
**Research Project:** Determination of short- and long-term prognoses for horses with navicular bursa abnormalities treated with navicular bursoscopy and stem cell therapy

98. **Mentor:** Yvette Nout-Lomas, CS  
**Scholar:** Anthony Franceschelli, USDA Animal Health & Disease Scholar  
**Research Project:** Using Inertial Measurement Units to Assess Gait Deficits Induced in the Horse by Blindfolding and Walking with the Head Elevated

99. **Mentor:** Francisco Olea-Popelka, CS  
**Scholar:** Melissa Terry, USDA Animal Health & Disease Scholar  
**Research Project:** Zoonotic Tuberculosis at the Interface of Human, Livestock, and Wildlife Health

100. **Mentor:** Christine Olver, MIP  
**Scholar:** Jennifer Schefski, Morris Animal Foundation  
**Research Project:** Interaction of canine fibrinogen with Crotalus venom/Mitigation of snake envenomation using an alternative therapy on canine whole blood exposed to hemotoxic venom

101. **Mentor:** Rebecca Packer, CS
101. Scholar: Sarah Deluty, Boehringer Ingelheim  
Research Project: Identifying Correlations in MR Spectroscopy and Brain Tumor Histology

102. Mentor: Rushika Perera, MIP  
Scholar: Anna Pollard, NIH Trainee  
Research Project: Peroxisome proliferator-activated receptors (PPAR) pathway is utilized to control lipid metabolism during Zika virus and Dengue virus infection

103. Mentor: Brendan Podell, MIP  
Scholar: Noah Mishkin, NIH Trainee  
Research Project: Vitamin A Deficiency's Role in Tuberculosis Risk

104. Mentor: Sandra Quackenbush, MIP  
Scholar: Kelly Hicks, NIH Trainee  
Research Project: Surveillance of Zika virus by using loop-mediated isothermal amplification (LAMP) in biofluids and insect vectors

105. Mentor: Sangeeta Rao, CS  
Scholar: Katie Murray, USDA Animal Health & Disease Scholar  
Research Project: Antimicrobial Resistance on Dairy Farms

106. Mentor: Sangeeta Rao, CS  
Scholar: Katie Murray, USDA Animal Health & Disease Scholar  
Research Project: Whole-Genome Sequencing to identify AMR determinants in Salmonella obtained from the dairy worker environment

107. Mentor: Dan Regan, CS  
Scholar: Lauren Alfino, NIH Trainee  
Research Project: Periostin in the Metastasis of Canine Osteosarcoma

108. Mentor: Dan Regan, CS  
Scholar: Lauren Alfino, Boehringer Ingelheim  
Research Project: The Effects of Integrin Inhibition on Canine and Human Osteosarcoma

109. Mentor: Elizabeth Ryan, ERHS  
Scholar: Gregor Trebillod Dam, Boehringer Ingelheim  
Research Project: The Complex Influences of Cancer Chemotherapy and Nutrition on the Canine Fecal Microbiome and Metabolome

110. Mentor: Mo Salman, CS  
Scholar: Brooke MacNeill, Mentor Funded  
Research Project: Tick Cattle Fever

111. Mentor: Kelly Santangelo, MIP  
Scholar: Sydney Bork, Boehringer Ingelheim  
Research Project: Dual Treatment of Sarcopenia and Osteoarthritis with a NRF2 activator

112. Mentor: Kelly Santangelo, MIP  
Scholar: Sydney Bork, AVMA/AVMF Fellowship  
Research Project: Efficacy of a Nrf2 agonist for disease and symptom modification of osteoarthritis
113. **Mentor:** Kelly Santangelo, MIP  
**Scholar:** Cassie Seabart, Mentor Funded  
**Research Project:** Contribution of Intra-Abdominal Immune Dysfunction to Musculoskeletal Inflammaging

114. **Mentor:** Arathi Seshradi, Soil and Crop Sciences  
**Scholar:** Christina Geldert, USDA Animal Health & Disease Scholar  
**Research Project:** Quantification of the gut microbiome of the honeybee (Apis mellifera) workers exposed to beneficial phytochemicals

115. **Mentor:** Mark Stenglein, MIP  
**Scholar:** Emily Kastendieck, USDA Animal Health & Disease Scholar  
**Research Project:** Compilation of a Genetic Database Utilizing Existing Data

116. **Mentor:** Mark Stenglein, MIP  
**Scholar:** Zachary Osterholz, NIH Trainee  
**Research Project:** Tick transmission of arenaviruses and bunyaviruses

117. **Mentor:** Mark Stenglein, MIP  
**Scholar:** Mark Parlier, Boehringer Ingelheim  
**Research Project:** Seroprevalence of Reptarenaviruses in Captive Snake Populations and Possible Vectors

118. **Mentor:** Sue VandeWoude, MIP  
**Scholar:** Sarah Kechejian, Foundation funded  
**Research Project:** Developing next generation sequencing approach for viral transmission in Florida Panthers

119. **Mentor:** Sue VandeWoude, MIP  
**Scholar:** Sarah Kechejian, Boehringer Ingelheim  
**Research Project:** Ecology of Feline Foamy Virus Infection in Pumas (Puma Concolor)

120. **Mentor:** Sue VandeWoude, MIP  
**Scholar:** Veronica McCann  
**Research Project:** Bobcat Infectious Disease Spread

121. **Mentor:** Sue VandeWoude, MIP  
**Scholar:** Cassidy Stone, Boehringer Ingelheim  
**Research Project:** Determination of feline hepadnavirus infections in cats in the US

122. **Mentor:** Allison Vilander, MIP  
**Scholar:** Sabrina Waugh, CVMBS Deans Office  
**Research Project:** Characterization of Antigen and Adjuvant Expression by Recombinant \textit{Lactobacillus acidophilus} Strains for SARS-CoV-2 Vaccine Development

123. **Mentor:** Craig Webb, CS  
**Scholar:** Allys Gallow, Boehringer Ingelheim  
**Research Project:** A Comparison of Microbiome Characterization Based Upon Collection Methodology and Storage Protocols

124. **Mentor:** Colleen Webb, Biology  
**Scholar:** Hazel O’Doherty, Mentor Funded  
**Research Project:** Spatial Distribution of Low Pathogenic Avian Influenza in Wild Migratory
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<tr>
<td>126.</td>
<td>Kathryn Wotman, CS</td>
<td>Maura Mack, USDA Animal Health &amp; Disease Scholar</td>
<td>Equine Ocular Squamous Cell Carcinoma Treatment with Interferon Alpha 2b: a pilot study</td>
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<td>127.</td>
<td>Kathryn Wotman, CS</td>
<td>Alena Strnadova, USDA Animal Health &amp; Disease Scholar</td>
<td>Activated Mesenchymal Stromal Cell Therapy in the Treatment of Equine Recurrent Uveitis</td>
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University of Alaska Program (currently funded through NIH)

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<td>Karsten Hueffner, University of Alaska</td>
<td>Olivia Reed</td>
<td>Biomonitoring of Environmental Contaminants via Blood Soaked neuronal nicotinic acetylcholine receptors</td>
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<tr>
<td>2.</td>
<td>Molly Murphy, University of Alaska</td>
<td>Jackie Rivero</td>
<td>Analysis of blood-soaked filter paper for environmental agents of zoonotic concern in rural Alaska</td>
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<td>3.</td>
<td>Todd O’Hara, University of Alaska</td>
<td>Jennifer Anderson</td>
<td>Biomonitoring of Environmental Contaminants via Blood Soaked Filter Papers</td>
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<td>Todd O’Hara, University of Alaska</td>
<td>Marion Cambrelin</td>
<td>The Use of Blood-Soaked Papers to Measure Selenium and/or Methyl Mercury Concentrations in Marine Mammals</td>
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<td>5.</td>
<td>Lorrie Rea, University of Alaska</td>
<td>Stephanie Rouse</td>
<td>Serology comparison between Serum samples and Filter Paper samples for antibodies to Brucella and Coxiella in Alaskan Northern Fur Seals</td>
</tr>
<tr>
<td>6.</td>
<td>Lorrie Rea, University of Alaska</td>
<td>Nicole DelPino</td>
<td>Mercury concentrations and stable isotope values for Northern fur seals</td>
</tr>
</tbody>
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