## 2018 Veterinary Scholar Summer Program

<table>
<thead>
<tr>
<th>Scholar</th>
<th>Mentor</th>
<th>Research Project</th>
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</thead>
</table>
| Dave Bissinger                   | Edward Hoover     | USDA Animal Health & Disease Scholar  
Microbiology, Immunology and Pathology Department  
Rapid Sensitive Detection of Chronic Wasting Disease in Cervid Muscle |
| Shira Bleicher                   | Candace Mathiason | Boehringer Ingelheim Veterinary Scholar  
Microbiology, Immunology and Pathology Department  
Characterization of the Placental Histostructure in Guinea Pigs |
| Aryn Bordman                     | Susan Bailey      | Boehringer Ingelheim Veterinary Scholar  
Environmental & Radiological Health Sciences Department  
Evaluating telomere length as a biomarker of reproductive stress and radiation exposure in Wild Boar and Japanese Rat Snakes |
| Sydney Bork                      | Kelly Santangelo  | Boehringer Ingelheim Veterinary Scholar  
Microbiology, Immunology and Pathology Department  
Dual Treatment of Sarcopenia and Osteoarthritis with a NRF2 activator |
| Shaina Brown                     | Anne Avery        | Canine Lymphoma Foundation Scholar  
Microbiology, Immunology and Pathology Department  
Differential phosphorylation between tumor and non-tumor T cells in canine T cell lymphoma |
| Sienna Drizin                    | Mike Lappin       | PetSmart Charities Summer Scholar  
Clinical Sciences Department  
Use of psychotropic medications on intake to an animal shelter to decrease stress related clinical signs in cats and dogs. |
| Jayne Ellis                      | Steve Dow         | NIH Fellowship Grant Trainee  
Clinical Sciences Department  
Immune Regulation of Osteoarthritis by Synovial Macrophages |
| Megan Ellis                      | Lon Kendall       | Laboratory Animal Fellowship Trainee  
Microbiology, Immunology and Pathology Department  
Genetic monitoring of laboratory cats |
<table>
<thead>
<tr>
<th>Name</th>
<th>Sponsorship</th>
<th>Department</th>
<th>Project Title</th>
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</thead>
<tbody>
<tr>
<td>Kelsea Ericksen</td>
<td>Boehringer Ingelheim Veterinary Scholar</td>
<td>Clinical Sciences Department</td>
<td>Laser Plume Generation and its Potential Associated Risks</td>
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<tr>
<td>Eileen Hackett</td>
<td>USDA Animal Health &amp; Disease Scholar</td>
<td>Soil and Crop Sciences Department</td>
<td>Quantification of the gut microbiome of the honey bee (Apis mellifera) workers exposed to beneficial phytochemicals</td>
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<tr>
<td>Christina Geldert</td>
<td>Boehringer Ingelheim Veterinary Scholar</td>
<td>Environmental &amp; Radiological Health Sciences Department</td>
<td>The combined effect of radiation and an experimental therapeutic on tumor response in cell culture</td>
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<tr>
<td>Arathi Seshradi</td>
<td>Nestle Purina Veterinary Scholar</td>
<td>Clinical Sciences Department</td>
<td>Effect of a commercially available probiotic on Giardia treatment outcomes in shelter dogs.</td>
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<tr>
<td>Alexandra Gold</td>
<td>Boehringer Ingelheim International Veterinary Scholar</td>
<td>Clinical Sciences Department</td>
<td>Development of a clinically relevant rotator cuff tear model</td>
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<tr>
<td>Keara Boss</td>
<td>NIH Fellowship Grant Trainee</td>
<td>Microbiology, Immunology and Pathology Department</td>
<td>Surveillance of Zika virus by using loop-mediated isothermal amplification (LAMP) in biofluids and insect vectors</td>
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<tr>
<td>Meighan Hawks</td>
<td>USDA Animal Health &amp; Disease Scholar</td>
<td>Clinical Sciences Department</td>
<td>Compilation of a Genetic Database Utilizing Existing Data</td>
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<tr>
<td>Mike Lappin</td>
<td>Georgia Norris Foundation Veterinary Scholar</td>
<td>Microbiology, Immunology and Pathology Department</td>
<td>Developing next generation sequencing approach for viral transmission in Florida Panthers</td>
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<tr>
<td>Robert Hendrickx</td>
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<td>Jeremiah Easley</td>
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<td>Kelly Hicks</td>
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<td>Sandra Quackenbush</td>
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<td>Emily Kastendieck</td>
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<td>Mark Stenglein</td>
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<td>Sarah Kechejian</td>
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<td>Sue VandeWoude</td>
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<td>Name</td>
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<td>Advisor</td>
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<td>Kim Kern (OSU)</td>
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<td>Mike Lappin</td>
<td>(Center) Scholar Clinical Sciences Department</td>
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<tr>
<td>Jeffrey Kim</td>
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<td>Lon Kendall</td>
<td>Laboratory Animal Fellowship Trainee Microbiology, Immunology and Pathology Department</td>
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<td>Laurel Krause</td>
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<td>Mike Lappin</td>
<td>Morris Animal Foundation Scholar Clinical Sciences Department</td>
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<td>Sneha Krishnan</td>
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<td>Richard Bowen</td>
<td>NIH Fellowship Grant Trainee Biomedical Sciences Department</td>
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<td>Bethany Liebig</td>
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<td>Laurie Goodrich</td>
<td>NIH Fellowship Grant Trainee Clinical Sciences Department</td>
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<td>Maura Mack</td>
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<td>Kathryn Wotman</td>
<td>USDA Animal Health &amp; Disease Scholar Clinical Sciences Department</td>
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<td>Serena Mancha</td>
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<td>Fred Hoerndli</td>
<td>NIH Fellowship Grant Trainee Biomedical Sciences Department</td>
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<tr>
<td>Morgan Miller</td>
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<td>Christie Mayo</td>
<td>USDA Animal Health &amp; Disease Scholar Microbiology, Immunology and Pathology Department</td>
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<tr>
<td>Name</td>
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<tr>
<td>Noah Mishkin</td>
<td>NIH Fellowship Grant Trainee</td>
<td>Microbiology, Immunology and Pathology Department</td>
<td>Vitamin A Deficiency’s Role in Tuberculosis Risk</td>
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<tr>
<td>Brendan Podell</td>
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<tr>
<td>Katherine Murray</td>
<td>USDA Animal Health &amp; Disease Scholar</td>
<td>Clinical Sciences Department</td>
<td>Antimicrobial Resistance on Dairy Farms</td>
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<tr>
<td>Sangeeta Rao</td>
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<tr>
<td>Morgan Pearson</td>
<td>Boehringer Ingelheim Veterinary Scholar</td>
<td>Microbiology, Immunology and Pathology Department</td>
<td>Determining correlates of Immunity Associated with Feline Enteric Coronavirus Infection</td>
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<td>Gregg Dean</td>
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<tr>
<td>Jack Pierce</td>
<td>Boehringer Ingelheim Veterinary Scholar</td>
<td>Microbiology, Immunology and Pathology Department</td>
<td>Defining Canine Tibial Long Axis</td>
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<tr>
<td>Felix Duerr</td>
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<tr>
<td>Anna Pollard</td>
<td>NIH Fellowship Grant Trainee</td>
<td>Microbiology, Immunology and Pathology Department</td>
<td>Peroxisome proliferator-activated receptors (PPAR) pathway is utilized to control lipid metabolism during Zika virus and Dengue virus infection</td>
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<td>Rushika Perera</td>
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<tr>
<td>Megan Posukonis</td>
<td>Colorado Racing Commission Scholar</td>
<td>Clinical Sciences Department</td>
<td>Fracture Characterization in Computed Tomography and Radiography in Equine Thoroughbreds as a Retrospective Diagnostic Approach</td>
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<td>Chris Kawcak</td>
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<tr>
<td>Katie Redd</td>
<td>AKC Canine Health Foundation Scholar</td>
<td>Clinical Sciences Department</td>
<td>Efficacy of Cannabidiol for the Treatment of Epilepsy in Dogs</td>
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<tr>
<td>Stephanie McGrath</td>
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<td>April Regas</td>
<td>USDA Animal Health &amp; Disease Scholar</td>
<td>Microbiology, Immunology and Pathology Department</td>
<td>Landscape characteristics associated with mosquito breeding and dispersal patterns around areas of livestock production</td>
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<td>Rebekah Kading</td>
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<tr>
<td>Name</td>
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<td>Project/Research Focus</td>
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<td>Vanessa Rozo</td>
<td>NIH Fellowship Grant Trainee, Clinical Sciences Department</td>
<td>Mucosimmune effects on the macrophage BOMAC cell line when stimulated by a bacteria</td>
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<td>Steve Dow/William Wheat</td>
<td>AVMA/AVMF Fellowship, Biomedical Sciences Department</td>
<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>Keira Sztukowski</td>
<td>USDA Animal Health &amp; Disease Scholar, Clinical Sciences Department</td>
<td>Zoonotic Tuberculosis at the Interface of Human, Livestock, and Wildlife Health</td>
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<tr>
<td>Seonil Kim</td>
<td>Boehringer Ingelheim Veterinary Scholar, Microbiology, Immunology and Pathology Department</td>
<td>Innate Immune Response of Canine Cells to Oncolytic Virus</td>
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<tr>
<td>Melissa Terry</td>
<td>VSSP Summer Exchange Scholars</td>
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<tr>
<td>Francisco Olea-Popelka</td>
<td>NIH Fellowship Grant Trainee, University of Alaska Veterinary Scholar</td>
<td>Biomonitoring of Environmental Contaminants via Blood Soaked Filter Papers</td>
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<tr>
<td>Bryce Zietz</td>
<td>University of Alaska Veterinary Scholar</td>
<td>Biomonitoring of Environmental Contaminants via Blood Soaked neuronal nicotinic acetylcholine receptors</td>
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<tr>
<td>Amy MacNeill</td>
<td>University of Tasmania Exchange Veterinary Scholar:</td>
<td>Within host rates of Feline Immunodeficiency virus evolution</td>
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<td>Olivia Reed</td>
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<td>Karsten Hueffner</td>
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<td>Jennifer Anderson</td>
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<td>Todd O'Hara</td>
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<td>Emma Krakoff</td>
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<td>Scott Carver</td>
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