FY2020

Adamovicz, Jeffrey, MBF THERAPEUTICS INC
In vivo study to evaluate T cell responses to SARS Antigens in Hamsters
7/1/2020-6/30/2021, $28,202

Adkins, Pamela, UNIV OF VT
Bedding Strategies that Promote Udder Health and Milk Quality by Fostering a Beneficial Microbiome on Organic Dairy Farms
9/1/2019 - 8/31/2021, $18,483

Anderson, Deborah, NIH NATL INST OF ALLERGY AND INFECTIOUS
Host Response and Immunity to Yersinia pestis Infection
5/8/2017 - 4/30/2021, $365,705

Anderson, Paul, KREMENAK NANOTECH INC
Evaluation of high-touch surface coating to kill bacteria
4/1/2021-3/31/2023, $22,551

Baines, Christopher, DEPT OF DEFENSE
Mitochondrial phenotype as a critical driver of non-small cell lung cancer cell proliferation, migration, and survival
3/1/2021-2/28/2022, $155,000

Bender, Shawn B, NIH NATL HEART LUNG AND BLOOD INST
Mineralocorticoid receptor-dependent coronary vascular dysfunction in obesity
1/1/2018 - 11/30/2020, $27,469

Bender, Shawn B, NIH NATL HEART LUNG AND BLOOD INST
Mineralocorticoid receptor-dependent coronary vascular dysfunction in obesity
1/1/2018 - 11/30/2020, $521,902

Booth, Frank W, NIH NATL INST ON AGING
Gene-therapy-based rescue in rats selectively bred for low voluntary running distance phenotype
1/1/2019 - 11/30/2020, $23,250

Booth, Frank W, NIH NATL INST ON AGING
Gene-therapy-based rescue in rats selectively bred for low voluntary running distance phenotype
1/1/2019 - 11/30/2020, $209,250

Brown, Charles R, NIH NATL INST OF ARTHRITIS MUSCULOSKELET
Efferocytosis in Lyme Arthritis Resolution
2/14/2020 - 1/31/2021, $187,092

Bryda, Elizabeth, NIH OFFICE OF THE DIRECTOR
Rat Resource and Research Center-Year 20
3/1/2020 - 2/28/2021, $1,381,872
Bryda, Elizabeth, NIH OFFICE OF THE DIRECTOR
Development of Antisense Oligonucleotide Therapeutics for Alzheimer’s Disease

Bryda, Elizabeth, NIH OFFICE OF THE DIRECTOR
Rat Resource and Research Center - Year 19

Bukoski, Alex, INNOVATIVE VETERINARY MEDICINE INC
N14A-T015 Anesthesia Ventilator for Atlantic Bottlenose Dolphins and California Sea Lion
3/7/2019 - 12/11/2020, $13,172

Burling, Amanda, PETSMART CHARITIES
PetSmart Charities Scholarship and Student Research Stipends
11/20/2018 - 9/1/2019, $10,000

Burling, Amanda, PETCO FDNTN
MU Shelter Medicine Partnership with Adair County Humane Society
5/16/2019 - 5/15/2020, $50,000

Chaurasia, Shyam, NIH NATL EYE INS
Role of S100 proteins in Diabetic Retinopathy
9/30/2019 - 6/30/2021, $504,123

Chaurasia, Shyam, NIH NATL EYE INS
Role of S100 proteins in Diabetic Retinopathy
9/30/2019 - 6/30/2020, $504,123

Clarke, Lane L, CYSTIC FIBROSIS FNDTN
Proton Receptors and Inflammation in the CF Intestine
5/1/2020 - 4/30/2021, $140,000

Clarke, Lane L, WASHINGTON UNIV
Alterations in Immune Tolerance by Intestinal Goblet Cell Dysfunction
3/1/2020 - 2/28/2021, $25,000

Clarke, Lane L, CYSTIC FIBROSIS FNDTN
Frameshift CFTR Mutant Reporter Mice and MNPs for CRISPR/Cas9 Delivery
9/1/2019 - 8/31/2021, $81,000

Cummings, Kevin, NIH NATL HEART LUNG AND BLOOD INST
Role of serotonin in cardiorespiratory homeostasis in sleep and during severe hypoxia
3/1/2018 - 2/28/2021, $381,823

Dodam, John, CHARLOTTE ANIMAL REFERRAL & EMERGENCY
Neurology/Neurosurgery Residency collaborative arrangement between CARE and MU
6/26/2019 - 7/15/2022, $210,000
Emter, Craig, REGENCOR INC
Ind-Enabling Epicardial Biopharmaceutical in the Diabetic Heart
11/1/2018 - 4/30/2021, $1,599,000

Ericsson, Aaron C, NIH OFFICE OF THE DIRECTOR
The influence of complex gut microbiota on central nervous system development and adult cognition and behavior
12/1/2019 - 11/30/2020, $11,625

Ericsson, Aaron C, NIH DIV OF PROG COORD, PLANNING & STRATEGIC IMPACTS
Impact of Gut Microbiota and Segmented Filamentous Bacteria on Colitis-Associated Colorectal Cancer
2/1/2016 - 12/31/2020, $103,427

Ericsson, Aaron C, NIH DIV OF PROG COORD, PLANNING & STRATEGIC IMPACTS
Impact of Gut Microbiota and Segmented Filamentous Bacteria on Colitis-Associated Colorectal Cancer
2/1/2016 - 12/31/2019, $104,625

Ericsson, Aaron C, ST LOUIS UNIVERSITY
Pilot Evaluation of the Skin Microbiome of Healthy Individuals and the Impact of Chlorhexidine Gluconate
9/1/2019 - 2/29/2020, $6,480

Ericsson, Aaron C, NIH DIV OF PROG COORD, PLANNING & STRATEGIC IMPACTS
Impact of Gut Microbiota and Segmented Filamentous Bacteria on Colitis-Associated Colorectal Cancer
2/1/2016 - 12/31/2019, $114,920

Franklin, Craig, NIH OFFICE OF THE DIRECTOR
Postdoctoral Training in Comparative Medicine
7/1/2019 - 6/30/2020, $218,249

Franz, Alexander, NIH NATL INST OF ALLERGY AND INFECTIOUS DISEASES
How Do Arboviruses Escape the Mosquito Midgut?- Analysis of a Novel Mechanism
11/3/2017 - 10/31/2020, $382,974

Fuchs, Allison, AMER COLLEGE OF VET OPHTHALMOLOGISTS
A novel bi-modal topical ophthalmic drop to treat corneal fibrosis
2/1/2020 - 1/31/2021, $5,000

Flesner, Brian, 4PAWS DX
4Paws Dx Liquid Biopsies in Normal and Tumor-bearing Dogs
2/1/2020 - 1/1/2021, $84,495
**Franklin, Craig**, NIH OFFICE OF THE DIRECTOR  
The Mutant Mouse Resource and Research Center at the University of Missouri  
3/1/2020 - 2/28/2021, $1,259,147

**Franklin, Craig**, BOEHRINGERINGELHEIM VETMEDICAINC  
2020 Veterinary Research Scholars Program  
1/1/2020 - 12/31/2020, $15,000

**Franz, Alexander W E**, CO ST UNIV  
Engineering Resistance to Zika Virus in Aedes aegypti for Cas9 Driven Population Modification  

**Grisanti, Laurel**, AMER HEART ASSN  
Beta-Adrenergic Receptor Regulation of Inflammation in the Damaged Heart  
9/1/2017 - 12/31/2019, $77,000

**Hasser, Eileen**, NIH NATL HEART LUNG AND BLOOD INST  
Plasticity of nTS output neurons in acute and chronic hypoxia  
4/1/2020 - 3/31/2021, $417,484

**Hasser, Eileen**, NIH NATL HEART LUNG AND BLOOD INST  
Central Circuit Plasticity in Cardiovascular Deconditioning  
2/6/2017 - 1/31/2021, $471,092

**Johnson, Gary**, AKC CANINE HEALTH FNDTN  
Defining the Effect of Genotype, Breed and Age on the Risk of Developing Canine Degenerative Myelopathy and Investigating the Molecular Mechanisms Underlying That Risk  
4/1/2020 - 3/31/2021, $108,000

**Johnson, Gary**, AKC CANINE HEALTH FNDTN  
Searching for the Cause for Alopecia X by Whole Genome Sequencing  
10/1/2019 - 9/30/2020, $10,000

**Johnson, Gary**, AKC CANINE HEALTH FNDTN  
Searching for a Genetic Risk Factor for Idiopathic Chylothorax in Afghan Hounds  
2/1/2020 - 1/31/2021, $15,000

**Kline II, David D**, NIH NATL HEART LUNG AND BLOOD INST  
Neurophysiology and plasticity of cardiorespiratory circuits to hypoxia  

**Kline II, David D**, NIH NATL HEART LUNG AND BLOOD INST  
Plasticity of nTS output neurons in acute and chronic hypoxia  
4/1/2020 - 3/31/2021, $351,49

**Lorson, Christian**, SHIFT PHARMACEUTICALS  
SBIR - Multi-dose pre-clinical studies in rat for E1-targeting antisense oligonucleotides  
9/15/2019 - 8/31/2020, $61,746
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<td>Lyons, Leslie A</td>
<td>WINN FELINE FNDTN INC</td>
<td>Precision Medicine Genomics for Cats</td>
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<td>Seeking Genetic Markers Of Abyssinian/Somali Hereditary Amyloidosis</td>
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<td>Middleton, John R</td>
<td>DELAVAL MFG</td>
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<td>Harnessing tongue exercise to enhance neuroplasticity and preserve upper airway function in a novel model of hypoglossal motor neurondegeneration</td>
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<td>Documenting the pathologic link between the lung and gut: Videofluoroscopic swallow study diagnosis of aerodigestive disorders in dogs</td>
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<td>Reinero, Carol</td>
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<td>Using probiotics to modulate the respiratory microbiome in feline allergic asthma</td>
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<td>Endocrine Disrupting Chemicals, Epigenetic Alterations, and Autism-Like Behaviors in the Highly Social California Mouse Model</td>
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<td>KAROLINSKA INSTITUTET</td>
<td>Antimicrobial substances and drug resistance</td>
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Skyberg, Jerod, NIH NATL INST OF ALLERGY AND INFECTIOUS
Metabolic Control of Brucellosis
3/10/2020 - 2/28/2021, $226,179

Skyberg, Jerod, NIH NATL INST OF ALLERGY AND INFECTIOUS
Dual Role for Innate Lymphoid Cells in Pathogenesis of Brucellosis
6/19/2020 - 5/31/2021, $226,179

Walker, Kelsey, AMER COLLEGE OF VET INTERNAL MEDICINE
Bacterial culture and susceptibility of samples taken from septic foot lesions of adult cattle originating from cow-calf operations
7/1/2019 - 6/30/2020, $9,285

Zhang, Shuping, DEPT OF AG
Enhancing Biological Safety Level-3 Laboratory Capacity for Early Detection and Diagnosis of Foreign Animal Diseases

Zhang, Shuping, MO DEPT OF CON
Development and Application of MEMS-Based Biosensor and RT-QuIC Assay for the Detection of Chronic Wasting Disease Prion in Ante- and Post-Mortem Cervid Samples
1/1/2020 - 6/30/2021, $212,011

Zhang, Shuping, FOOD AND DRUG ADMN
FDA Vet-LIRN Site Application - Tier I Lab Renewal Yr2
6/10/2020 - 5/31/2021, $39,966

Zhang, Shuping, DEPT OF AG
Maintaining and Further Improving NAHLN Level 1 Member Lab Capacity and Capabilities
9/1/2019 - 8/31/2020, $300,000