

FY2021

Adamovicz, Jeffrey, MBF THERAPEUTICS INC
In vivo study to evaluate T cell responses to SARS Antigens in Hamsters
7/1/2020-6/30/2021, \$28,256

Adkins, Pamela, UNIV OF MD
Big-Data Genomic Investigation to Improve Dairy Cattle Health
7/1/2020-6/30/2023, \$9,997

Adkins, Pamela, DEPT OF AG
Show-Me VET ECHO: Veterinary Education and Training (VET) through Extension for
Community Healthcare Outcomes (ECHO) Program
9/1/2020-8/31/2023, \$238,228

Anderson, Deborah, ASST SECRETARY FOR PREPAREDNESS & RESPON
University of Missouri Midwest BioAccelerator (MU-MBAr)
9/1/2020-8/31/2021, \$95,980

Anderson, Paul, NOTA LAB
SBIR: NO Efficacy and Dose-Response Curve
9/1/2020-10/31/2020, \$29,984

Baines, Christopher, NIH NATL INST ON AGING
Characterization of EFhd2 as a novel inhibitor of necroptosis and aging-related cardiovascular
pathology
9/30/2020-5/31/2021, \$240,358

Bender, Shawn, NIH NATL HEART LUNG AND BLOOD INST
Mineralocorticoid receptor-dependent coronary vascular dysfunction in obesity
12/01/2020- 11/30/2021, \$494,433

Brown, Charles, NIH NATL INST OF ARTHRITIS MUSCULOSKELET
Efferocytosis in Lyme Arthritis Resolution
02/01/2021- 01/31/2022, \$140,966

Bryan, Jeffrey, ABK BIOMEDICAL INC
Evaluation of Activated Eye90™ Radioembolic Microsphere radiopacity on CT and signal on
MRI in Rabbit Liver VX2 Tumor, evaluation of effect of radiopacity on detection of tumor
enhancement on conventional Computed Tomography
11/1/2019-8/31/2020, \$305,097

Bryan, Jeffrey, ABK BIOMEDICAL INC
Evaluation of Eye90™ Radioembolic Microspheres radiopacity and delivery in healthy rabbits
8/1/2020-2/1/2021, \$28,398

Bryan, Jeffrey, ELIAS ANIMAL HEALTH LLC
Pilot Study to Evaluate Safety & Efficacy of ELI212 as Treatment for Newly Diagnosed Oral
Malignant Melanoma in Dogs
3/1/2021-2/28/2023, \$187,124

Bryan, Jeffrey, ABK BIOMEDICAL INC

First in Dog Oncology Trial utilizing Radioembolization Eye90 Advanced Treatment Study (FIDO TREATS)

3/14/2021-3/15/2022, \$148,723

Bryda, Elizabeth, UNIV OF SOUTHERN CA

Generation of Cre/lox rats

05/01/2020- 04/30/2021, \$22,640

Bryda, Elizabeth, NIH OFFICE OF THE DIRECTOR

Generation of Novel Rat Models for the Study of SARS-CoV-2 and COVID-19

8/28/2020-2/28/2021, \$203,950

Bryda, Elizabeth, UNIV OF CO DENVER

RAT21: Generation and Characterization of Rat Models of Down Syndrome

9/26/2020-9/25/2024, \$602,684

Bryda, Elizabeth, NIH OFFICE OF THE DIRECTOR

Rat Resource and Research Center

4/1/2021-1/31/2022, \$1,292,719

Clarke, Lane, CHRON'S AND COLITIS FNDD OF AMER

CFTR and Inflammatory Bowel Disease

7/1/2020-6/30/2021, \$112,830

Clarke, Lane, CYSTIC FIBROSIS FNDDTN

Frameshift CFTR Mutant Reporter Mice and MNPs for CRISPR/Cas9 Delivery

09/01/2020- 08/31/2021, \$81,000

Coates, Joan, OH ST UNIV

SMART IACUC: A path to harmonized veterinary multi-site trial review

8/15/2020-7/31/2021, \$57,272

Coates, Joan, BIONEXUS KC

Spatial Temporal Investigation on a Canine Disease Model of ALS

1/1/2021-12/31/2021, \$50,000

Cummings, Kevin, NIH NATL HEART LUNG AND BLOOD INST

Role of serotonin in cardiorespiratory homeostasis in sleep and during severe hypoxia

03/01/2021- 02/28/2022, \$381,710

Dowler, Kourtney, AMER COLLEGE OF VET OPHTHALMOLOGISTS

Commercially available intraocular lenses commonly used in canine cataract surgery: a microbiota investigation

1/15/2021-1/14/2022, \$5,000

Dodam, John, CHARLOTTE ANIMAL REFERRAL & EMERGENCY

Neurology/Neurosurgery Residency collaborative arrangement between CARE and MU

6/26/2019-7/14/2024, \$141,700

Emter,Craig, CYTOKINETICS INC

Cytokinetics contract: The Impact of the Myosin Inhibitor CK-3772271 on Cardiac Function in Swine Models of Heart Failure with Preserved Ejection Fraction
12/1/2020-11/30/2021, \$158,165

Emter,Craig, CARDIAC RSL3 INHIBITORS LLC

Cardiac RSK3 Inhibitors, LLC: Phase 1 Dose Response Study
4/1/2021-3/31/2022, \$94,510

Ericsson,Aaron, NIH OFFICE OF THE DIRECTOR

The influence of complex gut microbiota on central nervous system development and adult cognition and behavior
12/01/2020- 11/30/2021, \$116,250

Flesner,Brian, KC CONSORTIUM ON MUSCULOSKELETAL DISEASE

S1R expression in canine osteosarcoma
5/1/2020-4/30/2021, \$19,000

Flesner,Brian, 4PAWSDX

4PawsDxLiquidBiopsiesinNormalandTumor-bearing Dogs
2/1/2020-1/1/2021, \$153,990

Franklin,Craig, BOEHRINGER INGELHEIM VETMEDICA INC

2021 Veterinary Research Scholars Program
01/01/2021- 12/31/2021, \$20,000

Franklin,Craig, NIH OFFICE OF THE DIRECTOR

Optimization of murine models of COVID-19 through gut microbiota manipulation
8/1/2020-2/28/2021, \$385,120

Franklin,Craig, and Bryda, Elizabeth, NIH OFFICE OF THE DIRECTOR

Postdoctoral Training in Comparative Medicine
7/1/2020-6/30/2021, \$229,822

Franklin,Craig, and Amos-Landgraf, James, NIH OFFICE OF THE DIRECTOR

The Mutant Mouse Resource and Research Center at the University of Missouri - 22
3/1/2021-2/28/2022, \$1,491,163

Franz,Alexander, NIH NATL INST OF ALLERGY AND INFECTIOUS

How Do Arboviruses Escape the Mosquito Midgut?- Analysis of a Novel Mechanism
11/01/2020- 10/31/2021, \$382,838

Hancock,Tamara, AMER VETERINARY MEDICAL ASSOC

Certification of CVM Diversity Fellows
11/1/2020-10/31/2021, \$1,000

Kline,David and Hasser,Eileen, NIH NATL HEART LUNG AND BLOOD INST

Plasticity of nTS output neurons in acute and chronic hypoxia
04/01/2021-03/31/2022, \$747,028

Leach,Stacey, AMER COLLEGE OF VET INTERNAL MEDICINE

A comparison of cardiac biomarkers (NT-proBNP and cardiac troponin) in dogs with cardiac and non-cardiac causes of non-haemorrhagic ascites

9/1/2020-7/15/2023, \$13,300

Lorson,Christian, NIH NATL INST OF NEUROLOGICAL DISORDER

Novel SMARD1 Mouse Models: Characterization and Evaluation of Potential Therapeutic Targets

02/01/2021- 01/31/2022, \$347,189

Lorson,Christian, CMT RESEARCH FNDDTN

A precision medicine-based approach for CMT2E

9/11/2020-11/30/2021, \$200,000

Lorson,Christian, UNIV OF KS CTR FOR RESEARCH INC

Small molecule-oligonucleotide conjugate for the treatment of spinal muscular atrophy (SMA) with improved specificity

7/1/2020-6/30/2021, \$10,000

Lyons,Leslie A, HILL'S PET NUTRITION, INC

Isolating DNA from 525 MU-specific cats and then 435-915 from Hill's-specific cats

3/1/2020-2/28/2021, \$67,570

Lyons,Leslie A, WINN FELINE FNDDTN INC

High Density Cat DNA Array Genome-wide Association Studies (Amyloidosis HD Array Project)

12/21/2020-12/20/2021, \$26,779

Lyons,Leslie A, WINN FELINE FNDDTN INC

High Density Cat DNA Array Genome-wide Association Studies (Burmese EDS Project)

12/21/2020-12/20/2021, \$11,419

Lyons,Leslie A, PHILADELPHIA ZOO

Investigation into the genetics of snow leopard (*Panthera uncia*) multiple ocular coloboma

10/01/2020- 09/30/2022, \$12,950

Lyons,Leslie A, UNIV OF CA SANTA BARBARA

Ketosis as a therapy for polycystic kidney disease

04/01/2020- 01/31/2021, \$7,587

Ma,Wenjun, NIH NATL INST OF ALLERGY AND INFECTIOUS

Identification of Small Molecular Inhibitors of Rift Valley Fever Virus Replication

8/28/2020-1/31/2021, \$382,697

Ma,Wenjun, ST JUDES CHILDRENS RESEARCH HOSP

Syndromic Surveillance of Swine Influenza Viruses in the United States

4/1/2020-3/31/2021, \$ 80,089

Ma,Wenjun, NIH NATL INST OF ALLERGY AND INFECTIOUS

Biology and infection of bats with novel bat influenza viruses

01/01/2021- 12/31/2021, \$419,278

Ma,Wenjun, UNIV OF KS MED CTR RESEARCH INST, INC
Effects and mechanisms of pharmacologic ascorbate in inhibiting SARS-CoV2 in pre-clinical models
1/12/2021-7/11/2021, \$111,164

McCleary-Wheeler,Angela, MORRIS ANIMAL FNDDTN
SHIP Inhibition in Canine Osteosarcoma: Evaluation of a Novel Target
6/29/2020-9/29/2020, \$5,000

McCleary-Wheeler,Angela, LEIDOS BIOMEDICAL RESEARCH, INC
Operationalizing NCI-COP Protocol COTC027
3/18/2021-8/30/2021, \$14,132

Mickelson, Megan, AMER COLLEGE OF VET SURGEONS
Effect of subcutaneous lavage on bacterial contamination in dogs undergoing gastrointestinal surgery
5/1/2021-5/1/2022, \$12,555

Mohan,Rajiv, NIH NATL EYE INST
Turbo Eye Drops to Treat Ocular Toxicity and Blindness from Sulfur Mustard
8/1/2020-7/31/2021, \$703,048

Mohan,Rajiv, CALISTA THERAPEUTICS
SBIR: Treatment of Neurotrophic Keratitis (NK) corneal wounds by a PI3K-Akt pathway activator
2/1/2021-1/31/2022, \$53,443

Raghavan,Ram, KS WILDLIFE, PARKS AND TOURISM
Spatial Epidemiology of Chronic Wasting Disease
7/9/2020-12/31/2023, \$842,018

Rau,Meagan, FNDDTN FOR VET DENTISTRY
Evaluation of the oral microbiome and periodontal disease as a risk factor for bacterial translocation following routine dental procedures in dogs
3/1/2021-2/28/2022, \$10,000

Shen,Zhenyu, UNIV OF GA
United front to develop harmonized NGS training and procedures to increase the capabilities and capacity of NAHLN laboratories in response to antimicrobial resistance (AMR)
3/1/2020-2/28/2021, \$81,310

Shoemaker,Brian, CALVING TECH INC
Validation of Calving Technologies Beef Cattle Calving Monitor
8/1/2020-11/30/2020, \$ 10,000

Skyberg,Jerod, NIH NATL INST OF ALLERGY AND INFECTIOUS
B Cell/T Cell Interactions in Brucellosis
11/18/2020-10/31/2021, \$381,816

Skyberg, Jerod, NIH NATL INST OF ALLERGY AND INFECTIOUS
Dual Role for Innate Lymphoid Cells in Pathogenesis of Brucellosis
06/01/2021- 05/31/2022, \$187,839

Zhang, Shuping, DEPT OF AG
FY 20 NAHLN Infrastructure Cooperative Agreement
9/1/2020-8/31/2021, \$295,000

Zhang, Shuping, KS ST UNIV
Prototype Reporting and Veterinarian and Animal Owner Education Materials for Cases of
Antimicrobial Resistant Bacteria of Public Health Importance in Companion Animals
9/15/2020-8/31/2021, \$7,750

Zhang, Shuping, DEPT OF AG
Validation of ASR1 Peptoids-ELISA for the Detection of Chronic Wasting Disease Prion in
Samples with Low Prion Burden
03/01/2021-02/28/2022, \$116,323

Zhang, Shuping, MO DEPT OF CONS
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
01/01/2020- 06/30/2021, \$169,347

Zhang, Shuping, FOOD AND DRUG ADMN
FDA Vet-LIRN Site Application - Tier I Lab Renewal
6/1/2021-5/31/2022, \$46,549