Investigator-Initiated Funding from Private Foundations: Congratulations to everyone!

FY16—Q4

1. Alpha-1 Project; Mueller, Christian; $200,000; “Phenotyping a Novel SerpinA1 Mouse Knockout”
2. The ALS Association; Landers, John; $469,678; “Development and Characterization of Novel Mouse Models of ALS”
3. Alzheimer’s Association; Almeida, Sandra; $100,000; “Exploring molecular pathogenic pathways common to AD and FTD”
4. American Cancer Society; Xue, Wen; $791,000; “An integrative approach to study KRAS inhibition in lung cancer”
5. American Heart Association; Kant, Shashi; $231,000; “Mitogen Kinase 4 links insulin resistance and atherosclerosis”
6. Arthritis National Research Foundation; Sharma, Shruti; $100,000; “the innate immune adaptor STING regulates age-dependent bone homeostasis and remodeling”
7. Arnold and Mabel Beckman Foundation; Olive, Andrew; $203,697; “Dissecting the mechanisms of host resistance and tolerance during mycobacterium tuberculosis infection”
8. The Broad Institute; Sassetti, Christopher; $125,625; “Turning the Tides”
9. CHDI Foundation; Brodsky, Michael; $799,072; “Development of CRISPR-Cas9 Technology to Target Htt CAG Repeat and SNP sequences”
10. Crohn’s & Colitis Foundation of America; Szabady, Rose; $269,940; “Identifying and quantifying levels of Hepoxilin A3 and Endocannabinoids in intestinal mucosal brushings and mucosal biopsies of subjects with active left-sides ulcerative proctosigmoiditis”
11. Dermatology Foundation; Harris, John; $100,000; “Skin resident memory T cells in vitiligo”
12. Duke University; Gravallese, Ellen; $16,500; “Regulation of inflammation by the mevalonate pathway in a mouse model of RA”
13. Foundation for Excellence in Mental Health Care, Inc.; Ziedonis, Douglas; $93,274; “Adapting the Open Dialogue Model in the United States-UMASS & Emory-Grady Collaboration”
14. Foundation for Surgical Fellowships; Kelly, John; $20,000; “2017-2018 Foundation for Surgical Fellowships”
15. Hyundai Hope on Wheels; Xue, Wen; $250,000; “Personalized drug target discovery for childhood hepatoblastoma”
16. The Klarman Family Foundation; Rubin, Emily; $80,000; “Sibling Support Program: A Family Centered Mental Health Initiative of the Eunice Kennedy Shriver Center”
17. Orphan Disease Center; Green, Michael; $150,000; “Pharmacological Reactivation of the X-linked CDKL5 Gene as a Potential Treatment for CDKL5 Deficiency”
18. Patient-Centered Outcomes Research Institute; Franklin, Patricia; $6,378,861; “Patient Osteoarthritis Careplan to Inform Optimal Treatment”

FY16—Q3

1. Alex’s Lemonade Stand Foundation for Childhood Cancer; Castilla, Lucio; $10,000; “2016 Pediatric Oncology Student Training (POST) Program”
2. Alzheimer’s Drug Discovery Foundation; Thompson, Paul; $150,000 ; “inhibiting neutrophil extracellular trap (NET) formation as a novel therapeutic approach to Alzheimer’s disease”
3. American Gastroenterological Association; Maldonado-Contreras, Ana; $270,000 ; “Immune role of long non-coding RNA triggered by the microbiome”
4. American Heart Association; Singh, Raushan Kumar; $91,100 ; “Molecular mechanism of SWR-C-mediated nucleosome dynamics and its impact on divergent transcription”
5. American Skin Association; Richmond, Jillian; $60,000 ; “determining the contributions of dermal resident and recruited cells to vitiligo”
6. Cure Tay-Sachs Foundation; Esteves, Miguel; $157,693 ; “IND-enabling studies of AAVrh8-Hex gene therapy for TSD”
7. Cure Tay-Sachs Foundation; Estevez, Miguel; $97,706 ; “IND-enabling studies of AAVRh8-Hex gene therapy for TSD”
9. FSH Society; DeSimone, Alec; $150,000 ; “Investigation of 4-methylumbelliferone as an FSHD therapeutic”
10. Jacob and Valeria Langeloth Foundation; Ferguson, Warren; $10,000 ; “Academic and Health Policy Conference on Correctional Health”
11. Leukemia & Lymphoma Society, The; Hainer, Sarah; $195,000 ; “Role of esBAF in regulating eRNA-mediated gene expression and divergent transcription in ESCs”
12. Project A.L.S. Inc.; Brown, Robert; $100,000 ; “SOD1 Gene Silencing in ALS”
13. Robert Wood Johnson Foundation; Li, Wenjun; $189,999 ; “Identifying approaches to accelerate the declines and reduce disparities in obesity prevalence among public school students”
14. The Physicians Foundation; Ziedonis, Douglas; $150,000 ; “Mindful Physician Leadership Program Renewal”

FY16—Q2

1. ALS Association, The; Brown, Robert; $1,000,000 ; “Development of AAV-mediated SOD1 Gene Silencing Therapy in ALS”
2. ALS Association, The; Yang, Dejun; $100,000 ; “Determining the mechanisms of ALS-associated Poly(GR) toxicity and screening”
3. ALS Association, The; Zitzewitz, Jill; $160,000 ; “Biomarkers and Small Molecule Therapeutics Targeted Against an Intermediate State”
4. ALS Finding a Cure; Brown, Robert; $146,909 ; “Accelerating Identification of Cross-Species Suppressor Genes and Elucidating Early Pathophysiology in ALS”
5. American Diabetes Association; Martínez Calejman, Camila; $166,296 ; “Elucidating a novel signaling mechanism that stimulates brown adipocyte differentiation and energy expenditure”
6. American Diabetes Association; Mordes, John; $592,062 ; “Identification of T cell receptor genes responsible for susceptibility to type 1 diabetes”
7. Arnold P. Gold Foundation; Tjia, Jennifer; $15,000 ; “Mindfulness Interventions for Family Caregivers of Patients in Home Hospice”
8. Association for Frontotemporal Degeneration; Almeida, Sandra; $60,000; “Reducing repeat toxicity in iPSC-derived cortical neurons of C9ORF72 FTD patients”
9. Charles H. Hood Foundation; Morrison, Trudy; $450,000; “Protection of neonates from respiratory syncytial virus infection”
10. Charles H. Hood Foundation; Worley, Read; $150,000; “Homeostatic regulation of innate immune activation in intestinal epithelial cells”
11. CMC Consulting Boston Inc.; Dunn, Raymond; $49,952; “A study to investigate the effects of the amniotic membrane grafts either dehydrated or fresh, on tendon healing in the diabetic BBRZDR”
12. Cystic Fibrosis Foundation; Bailey, Evan; $176,286; “Additional research coordinator award - UMass Worcester”
13. FSH Society; Jones, Peter; $16,000; “Characterization of Coriell FSHD Family Cell Lines”
14. Helen Hay Whitney Foundation; Loveland, Anna; $59,894; “Fellowship - unknown”
15. Huntington’s Disease Society of America, Inc.; Didiot, Marie; $150,000; “Study of the Impact of CAG Repeat Expansion on HTT mRNA Cellular Localization for a Rational Design of Next Generation Oligonucleotide-Based Therapeutics”
16. Intellia Therapeutics; Sontheimer, Erik; $220,000; “Development of NmCas9 for Therapeutic Genome Editing”
17. Kenneth Rainin Foundation; Fitzgerald, Kate; $100,000; “The role of long non-coding RNA, lincRNA-Eps in controlling gut inflammation”
18. Leona M. and Harry B. Helmsley Charitable Trust; Maehr, Rene; $167,100; “Investigating T1D disease-susceptibility starting from genetic outliers”
19. Lookout Foundation, Inc.; Griffin, Jessica; $75,000; “UMMS Child Trauma Training Center, Centralized”
20. Lung Cancer Research Foundation; Xue, Wen; $75,000; “Small RNA-mediated KRAS inhibition in lung cancer”
21. March of Dimes; Haley, Heather-Lyn; $20,000; “Improving Safety and Quality in the care of Pregnant Women with Substance Use Disorders”
22. Massachusetts College of Emergency Physicians; Bonney, Caitlin; $2,000; “An Emergency Department Education Program for Opiate Overdose Recognition and Response”
23. Muscular Dystrophy Association, Inc.; Jones, Peter; $300,000; “FSHD-like mice for therapeutic development and preclinical testing”
24. Simons Center for the Social Brain; Huh, Jun; $90,000; “The IL-17 pathway in the rodent model of autism spectrum disorder”
26. The Regents of the University of California; Harris, John; $67,500; “unknown - subcontract from Kawaja Gift Fund - year 2”
27. Voyager Therapeutics, Inc.; Miller, Stephen; $125,000; “Monitoring of AAV delivery in vivo and ex vivo”
1. ALS Association, The; Xu, Zuoshang; $95,789 ; “Developing a rapid diagnostic assay for C9ORF72”
2. American College of Medical Toxicology; Carey, Jennifer; $5,792 ; “Ingestions and Overdose in Adolescent Self-Harm Attempts”
3. American Heart Association; Sanchez-Gurmache, Juan; $102,200 ; “Preventing Cardiovascular Disease by Targeting its Greatest Risk Factor - Obesity”
4. American Society for Biochemistry and Molecular Biology; Silverman, Neal; $1,992 ; “Drosophila Microbiome: Using Microbiology and Molecular Technique to Identify”
5. Autism Speaks, Inc.; Weinstock, Amy; $24,955 ; “Insurance Coverage for Wandering Devices”
6. Biotronik; McManus, David; $39,185 ; “Tissue and circulating miRNA signatures of atrial fibrillation and heart failure”
7. Cambia Health Foundation; Tija, Jennifer; $180,000 ; “Community-Academic-Health System Partnership for Palliative Care Transformation”
8. Consortium of Multiple Sclerosis Centers; Galica, Andrew; $5,000 ; “Effects of noise-based intervention on complexity of postural control in multiple sclerosis”
9. Consortium of Multiple Sclerosis Centers; Nedelcu, Simona; $5,000 ; “Microbiota in MS”
10. CureCMD; Emerson, Charles; $64,550 ; “Xenograft models of FKRP muscular dystrophy for AAVA therapy”
11. Foundation Fighting Blindness; Khanna, Hemant; $45,261 ; “Molecular Mechanisms of Pathogenesis of X-linked Retinal Dystrophies, Module IV”
12. Janssen Pharmaceutical Research Foundation; Thompson, Paul; $179,000 ; “Identification and Characterization of RA Citrullinome-Carbamylome”
13. Massachusetts Lions Eye Research Fund, Inc.; Punzo-Flotte-Khan; $46,000 ; “Modeling and treating devastating retinal human blindness disorders”
14. Monsanto Fund; Zamore, Phillip; $750,000 ; “Why does Diabrotica virgifera sample the double-stranded RNA in its environment”
15. Project A.L.S. Inc.; Brown, Robert; $198,273 ; “Characterizing and Correcting Proteasomal Dysfunction in Models of ALS”