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

FY14-Q4

1. Alex's Lemonade Stand; Castilla, Lucio; $250,000; “Development of Targeted Leukemia Inhibitors Using Nanoparticle Delivery”
2. Alex's Lemonade Stand; Newburger, Peter; $160,000; “Correction of Hematopoietic Defects in Down Syndrome by Chromosome 21 Silencing”
3. Alex's Lemonade Stand; Pulikkkan, John; $100,000; “Targeted Therapy for Core Binding Factor Leukemia”
4. ALS Therapy Alliance, Inc.; Emery, Patrick; $200,000; “The molecular function of Ataxin-2 and its Poly-glutamine domain in drosophilia and mammals”
5. American Heart Association; Fitzgibbons, Tim; $396,000; “Developmental Gene Expression in Perivascular Fat as a Determinant of Obesity Associated Vascular Disease”
6. Arthritis Foundation; Nguyen, Uyen-Sa; $72,949; “The True Impact of Cardiovascular Risk Factors in Rheumatoid Arthritis”
7. Bill and Melinda Gates Foundation; Egil Lien; $100,000; “Evaluation of novel mouse models against typhoid fever”
8. Cancer Research Institute; Painter, Corrie; $58,500; “Investigating the adaptive immune response to melanoma in zebrafish Danio rerio (Year 3 of 3)”
9. CHDI Foundation; Budnick, Vivian; $99,236; “Molecular Mechanisms of Exosome Transfer Across Cells”
10. Columbia University; Gao, Fen-Biao; $46,000; “Target ALS: A Drosophelia Model of C9orf72-related ALS Ext. Yr 2”
11. Dermatology Foundation; Harris, John; $100,000; “Charles and Daneen Stiefel Scholar Award in Autoimmune or Connective Tissue Diseases”
13. Foundation for Surgical Fellowships; Kelly, John; $35,000; “FSF fellowship grant”
14. Howard Hughes Medical Institute; Kushkuley, Jacob; $40,000; “2014 HHMI Medical Research Fellows Program”
15. Human Frontier Science Program; Xiang, Yang; $300,000; “Young Investigators' Grant”
16. Hyundai Hope on Wheels; Leonard, Jack; $250,000; “Targeting Beta-Catenin-Driven Cell Proliferation in Pediatric Astrocytoma”
17. John D. and Catherine T. MacArthur Foundation; Vincent, Gina; $250,000; “National Youth Screening and Assessment Project”
18. March of Dimes; Rando, Oliver; $440,000; “Role of tRNA Fragments in Paternal Dietary Effects on Offspring Metabolism”
19. Medical Toxicology Foundation; Boyle, Katherine; $5,000; “Teaching effective opioid prescribing through a simulation curriculum”
20. Omega Institute for Holistic Studies; Jones, Marci; $5,000;
21. Orthopaedic Research and Education Foundation; Kane, Christina; $4,994; “Challenging the traditional methods of intra-operative learning: comparing the effectiveness of a computer-based video tutorial with one-on-one expert teaching for zone II flexor tendon repairs”
22. Pfizer, Inc; Ockene, Ira; $360,000; “A Physician Counseling Approach for the Improvement of Cardiovascular Risk Factor Control in Ecuador”
23. Project A.L.S. Inc.; Brown, Robert; $100,000; “SOD1 Gene Silencing in ALS”
24. Rheumatology Research Foundation; Gravallese, Ellen; $400,000; “Epigenetic Control of Bone in Rheumatoid Arthritis”
25. Stanley Medical Research Institute; Fan, Xiaoduo; $760,440; “Exenatide weekly injection as an adjunctive treatment in patients with schizophrenia”
26. The Klarman Family Foundation; ; $40,000; “Sibling Support Demonstration Project”
27. The Leukemia and Lymphoma Society; Lubinsky, Isana; $165,000; “Identification of specific targets and co-factors of the let-7 miRNA family”
28. The Regents of the University of California; Harris, John; $52,364; “Vitiligo Research collaboration, funded by the Kawaja Gift Fund”
29. Wyss Institute at Harvard University; Gounis, Matthew; $44,239; “Revascularization in Thromboembolic Vascular Occlusion using Nanoparticle Microaggregates Coated with Tissue Plasminogen Activator, Protocol Number (Study 2): A-2253”

FY14-Q3
1. ALS Association; Xu, Zuoshang; $100,000; “AAV therapeutic agents for ALS”
2. American Cancer Society (postdoctoral Fellowship); Van, Christopher; $163,500; “Defining how Ino80 stabilizes stalled replication forks”
3. American Diabetes Association; Guertin, David; $103,500; “Mechanistic target of rapamycin complex 2 pathways in brown fat growth and regulation”
4. American Heart Association; Atianand, Maninjay; $92,300; “Long non-coding RNA Eps regulates inflammasome signaling by epigenetic silencing of ASC”
5. American Skin Association; Richmond, Jillian; $15,000; “Examining the Role of Non-Immune Cells in CD8+ T Cell Recruitment and Activation in Vitiligo”
6. Arthritis Foundation; Shaw, Anita; $50,000; “Effects of IL-17 on osteoblast inhibition in rheumatoid arthritis (Third year of existing award)”
7. Arthritis Foundation; Wang, Donghai; $200,000; “Regulation of inflammation by the mevalonate pathway in a mouse model of RA”
9. Consortium of Multiple Sclerosis Centers; Ramirez, Juan; $5,000; “Study of prevalence and risk factors for JCV antibody seroconversion in multiple sclerosis patients from Umass MS center”
10. CureSearch for Children’s; Keuker, Christopher; $5,000; “CureSearch Clinical Trial Advancement”
11. Cystic Fibrosis Foundation; O’Sullivan, Brian; $61,873; “Therapeutics Development Center”
12. Donaghue Foundation, The; Tjia, Jennifer; $116,450; “Evaluating a Resident-Centered Elder Care Intervention”
13. Fondation Leducq (Umass Med 1 of 6 member institutions); Lawson, Nathan; $800,005; “Transatlantic Networks of Excellence in Cardiovascular Research Program”
14. Foundation for Surgical Fellowships; Kelly, John; $50,000; “MIS fellowship grant”
15. FSH Society; Jones, Peter; $5,958; “FSH Society 2014 Kilchi Arahata, M.D. Memorial travel scholarship”
16. JDRF; Brehm, Michael; $150,000; “Immune therapy for beta-cell replacement in mice with human immune systems (Year 3 of 5)”
17. Johns Hopkins University; Gao, Fen-Biao; $85,000; “Identification of Genetic Modifiers of GGGGCC Repeats Toxicity in Drosophila (Additional time/funds to existing award)”
18. Leona M. and Harry B. Helmsley Charitable Trust, The; Maehr, Rene; $165,000; “Development of Thymic Epithelial Cells”
19. Leukemia & Lymphoma Society, The (5 yr Scholar Award); Fazioz, Thomas; $550,000; “Regulation of Tip60-p400 complex in normal and transformed blood cells”
20. Medical Foundation, The (Smith Family Awards for Excellence in Biomedical Research); Huh, Jun; $300,000; “Bacterial Regulators of Immunity and their Modulation of Host Transcription Factors”
21. Partners Healthcare (subaward through Bill and Melinda Gates Foundation); Brass, Abraham; $430,815; “A genetic approach to optimizing the antigenicity of HIV-1 envelope immunogens”
22. U.S. Civilian Research & Development Foundation (CRDF); Klempner, Mark; $5,000; “Collaborative initiation of a human monoclonal antibody development project for Crimean Congo hemorrhagic fever post-exposure prophylaxis and treatment”

FY14-Q2
1. ALS Association, The; Zitzewitz, Jill; $80,000; “Developing small molecule screening assays for identifying potential therapeutics to treat ALS”
2. ALS Therapy Alliance, Inc.; Brown, Robert; $309,421; “A novel immunosuppression intervention for the treatment of ALS”
3. American Association of Hip and Knee Surgeons; Franklin, Patricia; $100,000; “Improving Orthopedic Outcomes Through a National TJR Registry”
4. American Diabetes Association; Wang, Yong-Xu; $60,000; “MicroRNA-378 controls brown fat expansion and function”
5. American Heart Association; McKinstry, Karl; $308,000; “Requirements of influenza vaccine induction of unique lung-resident memory CD4 T-cells with novel function”
6. Arnold P. Gold Foundation; Tija, Jennifer; $5,000; “Systematic Review of Mindfulness Interventions for Professional and Family Caregivers of Patients with Advanced Illnesses”
7. Charles H. Hood Foundation; Jiang, Jun; $150,000; “Trisomy Correction in Down’s Syndrome Mouse Models”
8. Charles H. Hood Foundation; Lawrence, Jeanne; $500,000; “Trisomy Silencing for Down Syndrome Translational Research and Hope for Chromosome Therapy”
9. Charles H. Hood Foundation; Maehr, Rene; $150,000; “Development of a Pluripotent Stem Cell-based Approach to Model DiGeorge Syndrome”
11. International Pediatric Research Foundation; Newburger, Peter; $240,000; “Mouse models of FUS/TLS expression in ALS”
12. National Ataxia Foundation; Zhang, Yong; $50,000; “Assessing the impact of localized disruption of circadian clock genes”
13. Society for Academic Emergency Medicine Foundation; Haran, John; $100,000; “Cytokine Responses in Patients Presenting with an acute Respiratory Illness”

FY14-Q1
1. Alpha Omega Alpha Honor Medical Society; Perrone, Christopher; $5,000; “The role of multiple sclerosis as a risk factor for osteoporosis”
2. ALS Association; Hayward, Lawrence; $240,000; “Mouse models of FUS/TLS expression in ALS”
3. ALS Therapy Alliance; Brown, Robert; $244,190; “Proposal for Accelerated Development of AAV-Mediated Gene Silencing Therapy in ALS: Stage 1 - Pre-clinical proof of concept study In mice and monkeys”
4. ALS Therapy Alliance; Bucheli, Miriam; $139,896; “Project ALS-Ecuador: Identification Of Genetic Determinants Of ALS in South America”
5. American Contact Dermatitis Society; Harris, John; $5,000; “Development of tandem patch test series and in vitro assays using vitiligo patient melanocytes for clinical screening of household chemicals that worsen their disease”
6. American Society of Hematology Foundation; Lucio, Castilla; $100,000; “Cooperating Genes in inv(16) Acute Myeloid Leukemia”
7. Bill and Melinda Gates Foundation; Moore, Melissa; $998,034; “GCW Phase II: to demonstrate that targeting the anti-angiogenic factor sFlt1 can serve as an effective treatment for preeclampsia”
8. Boston University Sponsored Programs; Lee, Mary; $37,950; “Testing Blhörmonal Blönic Pancreas in Diabetes Camps - subaward under Leona M & Harry B Helmsley Charitable Trust”
9. Chris Carrino Foundation for FSHD; Jones, Peter; $25,000; “An FSHD model for therapeutic development”
10. CMSC Foundation; Levin, Seth; $5,000; “FCMSC Research Scholar”
11. Cure Tay-Sachs Foundation; Esteves, Miguel; $235,955; “Selection of a new AAVrh8 vector design and safety testing in NHP”
12. Cystic Fibrosis Foundation; O’Sullivan, Brian; $68,320; “CF Center”
13. Deborah Munroe Noonan Memorial Research Fund; Gabovitch, Elaine; $80,000; “Considering Culture in Autism Screening: A Culturally 7 Linguistically Competent Training Curriculum for Pediatric Providers.”

14. Foundation Fighting Blindness; Khanna, Hemant; $45,261; “Study of Retinal Degenerative Diseases at the W.K. Kellogg Eye Center, University of Michigan”

15. Hearst Foundations; Gurwitz, Jerry; $73,500; “2013-2015 Geriatrics Chief Resident Immersion Training Program.”

16. Howard Hughes Medical Institute; Bai, Robert; $40,000; “Exploring the potential of IGFBP7 as a therapeutic treatment for BRAF (V600E)-posi”

17. Howard Hughes Medical Institute; Saini, Harleen; $129,000; “2013 International Student Research Fellow”

18. Howard Hughes Medical Institute; Seth, Meetu; $129,000; “2013 International Student Research Fellow”

19. Motor Neurone Disease Association; Landers, John; $24,000; “Development of a public searchable variant database for ALS exomes”

20. National Hemophilia Foundation; Geary, Peg; $14,606; “to support genetic counseling services for patients and their family members with hemophilia and other bleeding disorders”

21. Radiological Society of North America; Janko, Matthew; $3,000; “Evaluation of Topical Immunomodulatory Therapy of Interleukin-1-Dependent Radiodermatitis Using Multiple Imaging Modalities”