

**Department of Medicine**

FY2016 UVM Research Funding by Division by PI

Division	Principal Investigator	Sponsor	Project Title	Start	End	Direct	Indirect	Total
Cardiology	LeWinter, Martin M	University of Arizona	Myofilament Based Mechanisms of Diastolic Dysfunction in HFpEF	01-Sep-15	30-Jun-16	\$ 190,105	\$ 99,805	\$ 289,910
Cardiology	LeWinter, Martin M	Duke University	Functional Impact of GLP-1 for Heart Failure Treatment	30-Jun-16	31-Dec-99	\$ 1,037	\$ 293	\$ 1,330
Cardiology	Meyer, Markus F.	Medtronic, Inc	Heart Rate Dependent Remodeling of the Heart – A Safety and Feasibility Study	05-Jul-15	05-Jul-18	\$ 51,473	\$ 12,213	\$ 63,686
Cardiology	Meyer, Markus F.	Medtronic, Inc	Pacing-Mediated LV Remodeling for the Treatment of Heart Failure with Preserved Ejection Fraction	16-Jun-15	15-Jun-18	\$ 42,469	\$ 11,042	\$ 53,511
Cardiology	Meyer, Markus F.	National Heart, Lung, and Blood Institute/NIH/DHHS	Sarcolemmal Calcium Extrusion Defect in Patients with Diastolic Dysfunction	01-Apr-16	31-Mar-17	\$ 250,000	\$ 122,325	\$ 372,325
Cardiology	Schneider, David John	Janssen Research and Development	Novel Biomarkers of Thrombotic Risk	01-Jul-15	31-Dec-99	\$ 284,645	\$ 80,270	\$ 364,915
Cardiology	Spector, Peter S	Biosense Webster, Inc.	Catheter and System Development Proposal: Mapping Tools for Patient Specific Ablation of Atrial Fibrillation	11-Nov-14	14-May-16	\$ 284,000	\$ 71,000	\$ 355,000
Cardiology	Spees, Jeffrey L.	National Heart, Lung, and Blood Institute/NIH/DHHS	Vascular Protection by HGF/IgG Protein Complexes That Activate RYK	01-Apr-16	31-Mar-17	\$ 266,989	\$ 131,582	\$ 398,571
Cardiology	Toth, Michael John	National Cancer Institute/NIH/DHHS	Alternative Exercise Modalities to Improve Skeletal Muscle Function in Cancer Survivors	01-Apr-16	31-Mar-17	\$ 130,500	\$ 70,960	\$ 201,460
Cardiology	Van Buren, Peter C	National Heart, Lung, and Blood Institute/NIH/DHHS	New England, New York and Quebec Regional Clinical Center	01-Jan-16	31-Dec-16	\$ 292,561	\$ 37,719	\$ 330,280
Cardiology	Van Buren, Peter C	Duke University	Oral Iron Repletion effects ON Oxygen UpTake in Heart Failure: IRONOUT-HF	30-Jun-16	31-Dec-99	\$ 19,903	\$ 5,613	\$ 25,515
Cardiology	Van Buren, Peter C	Duke University	Aldosterone Targeted Neurohormonal Combined with Natriuresis Therapy – HF	30-Jun-16	31-Dec-19	\$ 8,495	\$ 2,395	\$ 10,890
<b>Cardiology Total</b>						<b>\$ 1,822,177</b>	<b>\$ 645,217</b>	<b>\$ 2,467,393</b>
Endocrinology	Jetton, Thomas L	Agricultural Research Service/Department of Agriculture	Metabolic Effects of Prenatal Exposure to Particulate Matter	01-Sep-15	31-Aug-20	\$ 380,000	\$ -	\$ 380,000
Endocrinology	Jetton, Thomas L	Juvenile Diabetes Foundation International	Manipulating $\beta$ -cell Inflammation and Survival via Cholinergic Pathways	01-Sep-15	31-Aug-16	\$ 150,000	\$ 15,000	\$ 165,000
<b>Endocrinology Total</b>						<b>\$ 530,000</b>	<b>\$ 15,000</b>	<b>\$ 545,000</b>
Gastroenterology	Ganguly, Eric K	University of California, San Francisco	PIANO: Pregnancy in Inflammatory Bowel Disease and Neonatal Outcomes	30-Jun-16	31-Dec-19	\$ 351	\$ 99	\$ 450
Gastroenterology	Ganguly, Eric K	University of California, San Francisco	PIANO: Pregnancy in IBD and Neonatal Outcomes: In Utero Exposure to Biologics and Increased Neonatal Infections	01-Jul-15	30-Jun-16	\$ 45	\$ 5	\$ 50
Gastroenterology	Jensen, Gordon L	Pennsylvania State University	Inspiring Dietitians to Elevate and Advance (IDEA) their Roles as Leaders in Nutrition Care Using Computer Gaming Simulations	01-Jan-16	31-Aug-16	\$ 6,823	\$ 682	\$ 7,505
Gastroenterology	Jensen, Gordon L	Geisinger Clinic	Rural Aging Study	01-Jan-16	31-Jul-16	\$ 18,180	\$ 1,818	\$ 19,998
<b>Gastroenterology Total</b>						<b>\$ 25,399</b>	<b>\$ 2,604</b>	<b>\$ 28,003</b>
GIMR	Littenberg, Benjamin	Patient-Centered Outcomes Research Institute (PCORI)	Integrating Behavioral Health and Primary Care for Comorbid Behavioral and Medical Problems	01-Apr-16	28-Feb-22	\$ 16,575,358	\$ 1,966,237	\$ 18,541,595
GIMR	MacLean, Charles D	Vermont AHS Department of Health	Vermont Academic Detailing Program FY16	01-Jul-15	30-Jun-16	\$ 144,928	\$ 55,072	\$ 200,000
GIMR	MacLean, Charles D	Health Resources and Services Administration/DHHS	HRSA AHEC	01-Sep-15	31-Aug-16	\$ 304,897	\$ 5,753	\$ 310,650
GIMR	MacLean, Charles D	Vermont AHS Department of Health	Hypertension and Diabetes Panel Management Quality Improvement Project	01-Oct-15	30-Sep-16	\$ 46,458	\$ 17,654	\$ 64,112
GIMR	MacLean, Charles D	Vermont AHS Department of Health	Population Reporting for Opioid Prescribers from the VT Prescription Monitoring System	01-Dec-15	30-Nov-16	\$ 108,980	\$ 41,412	\$ 150,392
<b>GIMR Total</b>						<b>\$ 17,180,621</b>	<b>\$ 2,086,128</b>	<b>\$ 19,266,749</b>

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Hem/Onc	Cushman, Mary	American Society of Hematology	C-reactive Protein and Stroke Risk in African-Americans and Whites	01-Jun-15	01-Aug-16	\$ 5,000	\$ -	\$ 5,000
Hem/Onc	Cushman, Mary	West Virginia University	Effects of Perfluoroalkyl Chemicals on Stroke Incidence and Mortality	01-Jun-15	31-May-16	\$ 6,978	\$ 3,663	\$ 10,641
Hem/Onc	Cushman, Mary	University of Pittsburgh	Exceptional Survival: Trajectories to Functional Aging (CHS All Stars)	01-Sep-15	31-May-16	\$ 36,266	\$ 19,040	\$ 55,306
Hem/Onc	Cushman, Mary	University of Minnesota	Epidemiology of Venous Thrombosis and Pulmonary Embolism	01-Apr-15	31-Mar-16	\$ 45,931	\$ 17,705	\$ 63,636
Hem/Onc	Cushman, Mary	University of North Carolina	The National Longitudinal Study of Adolescent Health	01-May-15	30-Apr-16	\$ 478,373	\$ 223,514	\$ 701,887
Hem/Onc	Cushman, Mary	University of Alabama at Birmingham	Etiology of Geographic and Racial Differences in Stroke Mortality	01-Dec-14	30-Nov-15	\$ 45,815	\$ 24,339	\$ 70,154
Hem/Onc	Cushman, Mary	University of Alabama at Birmingham	Etiology of Geographic and Racial Differences in Stroke Mortality	01-Dec-15	30-Nov-16	\$ 699,493	\$ 344,084	\$ 1,043,577
Hem/Onc	Cushman, Mary	diaDexus, Inc.	Lipoprotein-Associated Phospholipase A2 (Lp-PLA2) Activity and the Risk of Stroke, Coronary Heart Disease and Cognitive Decline in REGARDS	01-Dec-15	30-Nov-16	\$ 106,958	\$ 58,264	\$ 165,222
Hem/Onc	Greenblatt, Marc Steven	University of North Carolina	A Knowledge Base for Clinically Relevant Genes and Variants	01-Aug-15	31-Jul-16	\$ 23,234	\$ 12,199	\$ 35,433
Hem/Onc	Greenblatt, Marc Steven	University of Utah	Classifying DNS Mismatch Repair Gene Variants of Unknown Significance	01-Dec-15	28-Feb-17	\$ 61,589	\$ 32,334	\$ 93,923
Hem/Onc	Verschraegen, Claire F	Lake Champlain Cancer Research Organization	Lake Champlain Cancer Research	01-Jan-16	31-Dec-16	\$ 758,000	\$ -	\$ 758,000
Hem/Onc	Verschraegen, Claire F	Novartis Pharmaceuticals, Inc.	Pazopanib With Gemcitabine and Docetaxel For The Neoadjuvant Chemotherapy Treatment Of High Risk Sarcomas - A Phase IB Study	30-Jun-16	31-Dec-99	\$ 42,160	\$ 11,805	\$ 53,964
Hem/Onc	Wood, Marie E.	Ohio State University	Increasing Adherence to Adjuvant Hormonal Therapy Among Breast Cancer Patients: Phase 2 - Pilot Test of Intervention for Feasibility	27-May-15	26-May-16	\$ -	\$ -	\$ -
<b>Hem/Onc Total</b>						<b>\$ 2,309,797</b>	<b>\$ 746,947</b>	<b>\$ 3,056,743</b>
Immunobiology	Budd, Ralph C	National Institute of Allergy and Infectious Diseases/NIH/DHHS	Metabolic Regulation of Caspases and Survival in T Cells	01-Apr-16	31-Mar-17	\$ 125,001	\$ 67,969	\$ 192,970
Immunobiology	Budd, Ralph C	National Institute of Allergy and Infectious Diseases/NIH/DHHS	Structure and Ligand(s) for Human Synovial TCR-Gamma/Delta	13-Jan-16	31-Dec-16	\$ 175,992	\$ 67,821	\$ 243,813
Immunobiology	Rincon, Mercedes	New Jersey ME/CFS Association, Inc.	Does Citrullination of Proteins Underlie Myalgic Encephalomyelitis	01-Aug-15	01-Nov-15	\$ 7,150	\$ -	\$ 7,150
Immunobiology	Rincon, Mercedes	National Institute of General Medical Sciences/NIH/DHHS	Fostering Entrepreneurship in Biomedical Research	01-Apr-16	28-Feb-17	\$ 415,466	\$ 24,597	\$ 440,063
Immunobiology	Rincon, Mercedes	National Institute of Allergy and Infectious Diseases/NIH/DHHS	IL-6 as a Regulator of Mitochondria Function in T Cells	01-Apr-16	31-Mar-17	\$ 249,998	\$ 136,043	\$ 386,041
Immunobiology	Teuscher, Cory	University of Utah	Molecular Genetics of Lyme Arthritis	01-Jul-15	30-Jun-16	\$ 50,000	\$ 26,250	\$ 76,250
Immunobiology	Teuscher, Cory	National Multiple Sclerosis Society	Identification of Gene-by-Environment Interactions Contributing to CNS Autoimmune Disease	01-Jan-16	31-Dec-16	\$ 35,905	\$ 3,591	\$ 39,496
Immunobiology	Teuscher, Cory	Drexel University	Refining the Genetic Basis of EAE to Establish a Model for MS-GWAS Testing	01-Oct-15	30-Sep-16	\$ 76,582	\$ 7,658	\$ 84,240
<b>Immunobiology Total</b>						<b>\$ 1,136,094</b>	<b>\$ 333,929</b>	<b>\$ 1,470,023</b>
Infectious Diseases	Huston, Christopher Dwight	Anacor Pharmaceuticals, Inc.	Discovery of Benzoxaboroles for the Treatment of Cryptosporidiosis	19-Aug-15	18-Aug-16	\$ 42,217	\$ 4,222	\$ 46,439
Infectious Diseases	Huston, Christopher Dwight	Gates (Bill and Melinda) Foundation	Natural Calf Model to Develop Treatments for Cryptosporidiosis	14-Oct-15	30-Sep-17	\$ 733,136	\$ 73,313	\$ 806,449
Infectious Diseases	Huston, Christopher Dwight	Merck KGaK - EMD Serono, Inc.	Screening the Merck Serono Mini Library for Cryptosporidium Parvum Inhibitors	01-Jan-16	31-Dec-16	\$ 8,000	\$ 4,340	\$ 12,340
Infectious Diseases	Kirkpatrick, Beth D.	Gates (Bill and Melinda) Foundation	Improving Rotavirus Vaccination: Refining Correlates of Protection and Evaluating Durability	07-Jul-15	31-Dec-18	\$ 2,006,286	\$ 200,628	\$ 2,206,914
Infectious Diseases	Kirkpatrick, Beth D.	University of Virginia	Exploration of the Biologic Basis for Underperformance of OPV and Rotavirus Vaccines in Bangladesh	01-Dec-14	30-Nov-16	\$ 34,965	\$ 3,497	\$ 38,462
Infectious Diseases	Kirkpatrick, Beth D.	Johns Hopkins University	Operation of a Facility for the Study of Infectious Agents, Vaccines and Antimicrobials in Adult and Pediatric Human Subjects	15-Sep-15	16-Sep-17	\$ 1,294,067	\$ 371,634	\$ 1,665,701
Infectious Diseases	Kirkpatrick, Beth D.	Gates (Bill and Melinda) Foundation	Using Cryptosporidium Human Challenge Models to Advance Therapeutics and Vaccines	19-Nov-15	31-Mar-19	\$ 2,985,287	\$ 298,529	\$ 3,283,816
<b>Infectious Diseases Total</b>						<b>\$ 7,103,958</b>	<b>\$ 956,163</b>	<b>\$ 8,060,121</b>
Nephrology	Negoi, Dana G	Arbor Research Collaborative for Health	Dialysis Outcomes and Practice Patterns Study (DOPPS 5)	01-Jul-14	30-Jun-15	\$ 2,227	\$ 628	\$ 2,855
<b>Nephrology Total</b>						<b>\$ 2,227</b>	<b>\$ 628</b>	<b>\$ 2,855</b>
Pulmonary	Bates, Jason H.	National Heart, Lung, and Blood Institute/NIH/DHHS	Personalized Mechanical Ventilation for the Injured Lung	01-Apr-16	31-Mar-17	\$ 465,641	\$ 121,558	\$ 587,199

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Pulmonary	Bates, Jason H.	National Heart, Lung, and Blood Institute/NIH/DHHS	Non-Allergic Late-Onset Asthma of Obesity: Pathophysiology and Therapy	15-Mar-16	28-Feb-17	\$ 398,322	\$ 190,342	\$ 588,664
Pulmonary	Carney, Jan Kirk	Boston University	New England Public Health Training Center (NEPHTC)	01-Sep-15	31-Aug-16	\$ 46,296	\$ 3,704	\$ 50,000
Pulmonary	Dixon, Anne Elizabeth	Pfizer Inc., U.S. Pharmaceuticals Group	Biomarkers in Uncontrolled Asthma	01-Jun-15	31-May-16	\$ 53,098	\$ 13,806	\$ 66,904
Pulmonary	Irvin, Charles G	American Lung Association	ALA-Asthma Clinical Research Center-CORE Award	01-Jul-15	30-Jun-16	\$ 75,000	\$ -	\$ 75,000
Pulmonary	Irvin, Charles G	American Lung Association	Airways Clinical Research Center (ACRC) Core Award	01-Jul-16	30-Jun-17	\$ 100,000	\$ -	\$ 100,000
Pulmonary	Irvin, Charles G	American Lung Association	ALA-Asthma Clinical Research Center-CORE Award	01-Mar-16	28-Feb-17	\$ 21,000	\$ 11,410	\$ 32,410
Pulmonary	Irvin, Charles G	National Heart, Lung, and Blood Institute/NIH/DHHS	Multidisciplinary Training in Lung Biology	01-May-16	30-Apr-17	\$ 418,722	\$ 24,538	\$ 443,260
Pulmonary	Irvin, Charles G	American Lung Association	ALA-Asthma Clinical Research Center-CORE Award	30-Jun-16	28-Feb-18	\$ 225	\$ -	\$ 225
Pulmonary	Leclair, Laurie W.	Cystic Fibrosis Foundation	Coordination of Mental Health Services for CF Patients and Care Givers	01-Jan-16	31-Dec-16	\$ 47,230	\$ 3,778	\$ 51,008
Pulmonary	Lundblad, Lennart K.A.	Syntrix Biosystems	Immune-Mediated Chronic Lung Injury and Remodeling	09-Nov-15	15-Jun-16	\$ 30,407	\$ 16,419	\$ 46,826
Pulmonary	Lundblad, Lennart K.A.	Syntrix Biosystems	Immune-Mediated Chronic Lung Injury and Remodeling	09-Nov-15	15-Jun-16	\$ 3,500	\$ -	\$ 3,500
Pulmonary	Pothen, Joshua J	National Institute of Biomedical Imaging and Bioengineering/NIH/DHHS	The Inflammatory Twitch: Discerning the Nature of Chronic Inflammatory Diseases	01-Aug-15	31-Jul-16	\$ 43,120	\$ 14,238	\$ 57,358
Pulmonary	Smith, Bradford J	National Heart, Lung, and Blood Institute/NIH/DHHS	The Importance of Inhomogeneity in the Pathogenesis of Lung Injury	15-Jul-15	30-Jun-16	\$ 103,625	\$ 8,145	\$ 111,770
Pulmonary	Stapleton, Renee D.	National Institute on Aging/NIH/DHHS	Improving Palliative Care for Older Seriously Hospitalized Patients and Their Families: A Randomized Trial of an Informed Assent Communication Intervention about CPR	01-May-16	28-Feb-17	\$ 502,183	\$ 77,563	\$ 579,746
Pulmonary	Stapleton, Renee D.	Fred Hutchinson Cancer Center	A Randomized Phase II Trial of CMV Prevention in Acute Lung Injury	30-Jun-16	31-Aug-16	\$ 3,500	\$ 987	\$ 4,487
Pulmonary	Teneback, Charlotte C	Cystic Fibrosis Foundation Therapeutics, Inc.	Cystic Fibrosis Foundation Research Support	01-Dec-15	30-Nov-16	\$ 60,098	\$ 4,808	\$ 64,906
Pulmonary	Teneback, Charlotte C	Cystic Fibrosis Foundation Therapeutics, Inc.	Therapeutics Development Center	01-Jan-16	31-Dec-16	\$ 68,708	\$ 5,497	\$ 74,205
Pulmonary	Weiss, Daniel J	National Heart, Lung, and Blood Institute/NIH/DHHS	Stem Cells, Cell Therapies, and Bioengineering in Lung Biology in Lung Diseases Conference	01-Jul-15	30-Jun-16	\$ 30,000	\$ -	\$ 30,000
Pulmonary	Weiss, Daniel J	United Therapeutics Corporation	De-Cellularization and Re-Cellularization of Lungs: Developing a Xenogeneic Strategy for Lung Transplantation	11-Nov-15	11-Nov-17	\$ 353,251	\$ 105,976	\$ 459,227
Pulmonary	Weiss, Daniel J	Cystic Fibrosis Foundation Therapeutics, Inc.	Optimizing Mesenchymal Stem Cells for Treatment of CF Lung Disease	01-Jan-16	31-Dec-16	\$ 300,000	\$ 16,060	\$ 316,060
Pulmonary	Weiss, Daniel J	National Heart, Lung, and Blood Institute/NIH/DHHS	Optimizing Functional Recellularization of Acellular Human Lung Scaffolds	01-Apr-16	31-Mar-17	\$ 250,001	\$ 131,250	\$ 381,251
<b>Pulmonary Total</b>						<b>\$ 3,373,927</b>	<b>\$ 750,079</b>	<b>\$ 4,124,006</b>
<b>Grand Total</b>						<b>\$ 33,484,200</b>	<b>\$ 5,536,695</b>	<b>\$ 39,020,893</b>