



**Planned Second-year funding for Two-Year Grant Awards**

Principal Investigator	Submitting Institution/ Organization	Grant Award \$	Recipient Matching \$	Total Project \$	Grant Title
Michel Audette, Ph.D.	Old Dominion University Research Foundation	\$ 99,998	\$ 33,000	\$ 132,998	Intranatal Force-sensing And Patient-derived Anatomy and Kinematics Modeling For Real-time Virtual Reality Obstetrics Simulation
Swadesh Das, Ph.D.	Virginia Commonwealth University	\$ 100,000	\$ 33,000	\$ 133,000	Applications of Deep Learning to Predict Anti-Prostate Cancer Drug Synergy
Diane Duffy, Ph.D.	Eastern Virginia Medical School	\$ 56,137	\$ 28,068	\$ 84,205	PCO or NO? Healthy Androgens and Ovulation
Robert Hinkle, Ph.D.	The College of William and Mary	\$ 75,400	\$ 25,133	\$ 100,533	Synthesis and Biological Assessment of a Polyne Library via Glaser-Hay Reactions
Sol Lim, Ph.D.	Virginia Polytechnic Institute & State University	\$ 100,000	\$ 51,022	\$ 151,022	Enhancing Parkinson's Disease Rehabilitation Through Remote Haptic Guidance
Andrew Lowell, Ph.D.	Virginia Polytechnic Institute & State University	\$ 100,000	\$ 33,000	\$ 133,000	Pioneering new routes for antibiotic development: Using computational modeling and medicinal chemistry to reconfigure cytotoxins as selective antibiotics
Alessandra Luchini, Ph.D.	George Mason University	\$ 100,000	\$ 33,000	\$ 133,000	Host response mechanisms of neuroborreliosis
Michael McVoy, Ph.D.	Virginia Commonwealth University	\$ 100,000	\$ 33,000	\$ 133,000	Substitution-inert charged coordination complexes: a novel class of broad spectrum antivirals
Amanda Morris, Ph.D.	Virginia Polytechnic Institute & State University	\$ 100,000	\$ 33,000	\$ 133,000	Metal Organic Framework Smart Drug Delivery Vehicles for the Next Generation of Personalize Patient Care
Peter Pidcoe, Ph.D.	Virginia Commonwealth University	\$ 99,638	\$ 32,880	\$ 132,518	iTreat - Improved Treatment using Advanced Technologies
Michael Schulz, Ph.D.	Virginia Polytechnic Institute & State University	\$ 100,000	\$ 33,000	\$ 133,000	Developing Enhanced Sealants for Neurosurgery
Sharon Swanger, Ph.D.	Virginia Polytechnic Institute & State University	\$ 100,000	\$ 33,000	\$ 133,000	Serotonin modulation of thalamocortical dysfunction in Dravet syndrome
Lifang Yang, M.D., Ph.D.	Eastern Virginia Medical School	\$ 100,000	\$ 50,000	\$ 150,000	Detection of Minimal Residual Disease in Early-stage Triple-negative Breast Cancer through Extracellular Vesicle-based Liquid Biopsies
Zhaomin Yang, Ph.D.	Virginia Polytechnic Institute & State University	\$ 100,000	\$ 60,000	\$ 160,000	Antivirulence -- new weapon against old foe: targeting type IV pilus of antibiotic resistant bacteria
Wei Zhou, Ph.D.	Virginia Polytechnic Institute & State University	\$ 100,000	\$ 60,000	\$ 160,000	Wearable Bio-Nanophotonics Technology for Wound Biofilm Infection Management
		<b>\$ 1,431,173</b>	<b>\$ 571,103</b>	<b>\$ 2,002,276</b>	

