



Commonwealth Health Research Board [CHRB] FY **2021** Grant Awards

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

<b>Principal Investigator</b>	<b>Submitting Institution/ Organization</b>	<b>Grant Award \$</b>	<b>Recipient Matching \$</b>	<b>Total Project \$</b>	<b>Grant Title</b>
Bahareh Behkam, Ph.D.	Virginia Polytechnic Institute and State University	\$ 100,000	\$ 60,000	\$ 160,000	Mechanobiology of Implant Infection: Effect of Surface Roughness on the Attachment Density and Phenotype of Adherent <i>Staphylococcus aureus</i>
Liheng Cai, Ph.D.	University of Virginia	\$ 100,000	\$ 33,000	\$ 133,000	Voxelated 3D Bioprinting of Multiscale Porous Scaffolds for Islet Transplantation
Daniel Conway, Ph.D.	Virginia Commonwealth University	\$ 100,000	\$ 33,000	\$ 133,000	Inhibition of cell-cell fusion as a potential mechanism for treatment of covid19
Paul Fisher, MPhil, Ph.D.	Virginia Commonwealth University	\$ 100,000	\$ 101,782	\$ 201,782	Rational Design of Cancer Invasion and Metastasis Inhibitors
Babette Fuss, Ph.D.	Virginia Commonwealth University	\$ 100,000	\$ 33,000	\$ 133,000	The role of LPA6 receptor signaling in myelin repair
Daeha Joung, Ph.D.	Virginia Commonwealth University	\$ 100,000	\$ 33,000	\$ 133,000	3D Printing Living Platform for Spinal Cord Regeneration
Aurora Esquela Kerscher, Ph.D.	Eastern Virginia Medical School	\$ 100,000	\$ 50,000	\$ 150,000	Molecular dissection of a microRNA cluster network of aggressiveness
Kyle Lampe, Ph.D.	University of Virginia	\$ 100,000	\$ 33,000	\$ 133,000	Self-assembling, shear-thinning peptide hydrogels to support cell transplantation and host cell interaction after ischemic stroke
Jeffrey Moran, Ph.D.	George Mason University	\$ 100,000	\$ 58,900	\$ 158,900	Patient-Derived Hydrogel-Based In Vitro Models of Idiopathic Pulmonary Fibrosis for Assessment of Targeted Nanoparticle Therapies
Yuchin Albert Pan, Ph.D.	Virginia Polytechnic Institute and State University	\$ 100,000	\$ 33,000	\$ 133,000	Identification of novel molecular factors underlying cellular resilience to early-life stress
Alicia Pickrell, Ph.D.	Virginia Polytechnic Institute and State University	\$ 100,000	\$ 60,000	\$ 160,000	STING-dependent Type I Interferon Response in TBI
Lee Solomon, Ph.D.	George Mason University	\$ 100,000	\$ 58,900	\$ 158,900	An environmentally responsive peptide material capable of oxygen delivery
Zequan Yang, M.D., Ph.D.	University of Virginia	\$ 100,000	\$ 33,000	\$ 133,000	Topical Neck Cooling Attenuates Acute Myocardial Infarction
Chongzhi Zang, Ph.D.	University of Virginia	\$ 100,000	\$ 33,000	\$ 133,000	Aberrant CTCF binding as an epigenetic signature of cancer
		<b>\$ 1,400,000</b>	<b>\$ 653,582</b>	<b>\$ 2,053,582</b>	