

## Successful Applicants of the 2021 Health Sciences Internal Grant Competition

The Faculty of Health Sciences is pleased to announce the successful applicants of the 2021 Health Sciences Internal Grant Competition. Funding for these grants is made available from various Faculty of Health Sciences endowment funds, and bequests and donations made to the University Hospitals Kingston Foundation for funding research at the Kingston hospitals.

### Pulmonary and Respiratory Research

<i>William M. Spear Endowment Fund in Pulmonary Research Richard K. Start Memorial Fund (Faculty of Health Sciences)</i>		
PI(s)	Project Title	Amount
Colpitts, Che	Identification of the factors driving cytokine storm induction during respiratory virus infection	\$30,000.00
Crinion, Sophie	Respiratory neural control and ventilator mechanics in hypercapnic COPD	\$29,611.00
de Tores Tajas, Juan Pablo	Exploring the impact of a low exercise capacity and abnormal low DLCO as a predictor of long term survival in COPD patients	\$30,000.00
de Wit, Kerstin	DAYS algorithm for deep vein thrombosis diagnosis	\$29,900.00
Jia, Zongchao	Inhibition of polyphosphate kinase in <i>P. aeruginosa</i> as a novel antimicrobial strategy for CF therapeutics	\$30,000.00
Neder, J Alberto	Mechanisms of exertional dyspnea in patients with mild idiopathic pulmonary fibrosis	\$29,421.00

### Neurological Sciences and Encephalitis Research

<i>Harry Botterell Foundation for Neurological Sciences Dr. James B. Howe Endowment Fund Violet E. Powell Endowed Funds (Faculty of Health Sciences)</i>		
PI(s)	Project Title	Amount
Hendry, J. Michael	The novel use of EGFR inhibitors to enhance recovery following peripheral nerve injury	\$24,483.00
Munoz, Doug	Development of a protocol to analyze blood-based biomarkers of brain health and disease	\$24,300.00

### Cardiovascular Research

<b>Garfield Kelly Cardiovascular Research &amp; Development Fund</b> (Faculty of Health Sciences)		
<b>PI(s)</b>	<b>Project Title</b>	<b>Amount</b>
Dunham-Snary, Kimberly	Platelet bioenergetics as a circulating biomarker of cardiometabolic disease	\$28,000.00

### Cancer Research

<b>Clare Nelson Bequest Fund</b> (University Hospitals Kingston Foundation)		
<b>PI(s)</b>	<b>Project Title</b>	<b>Amount</b>
Joshi, Chandra; Falkson, Conrad; Fichtinger, Gabor	Development of a Needle Guidance and Implant Design Tool for CT Assisted Freehand Multi-Catheter	\$12,500.00

### Neurological Diseases

<b>Women's Giving Circle</b> (University Hospitals Kingston Foundation)		
<b>PI(s)</b>	<b>Project Title</b>	<b>Amount</b>
Kessler, Dorothy; Finalayson, Marcia	Creating Satisfying Engagement in Daily Life through Coaching for People with Multiple Sclerosis	\$38,000.00

### Prostate Cancer Research

<b>Prostate Cancer Fight Foundation/TELUS Ride for Dad</b> <b>(Kingston-Quinte Chapter of the Ride for Dad and Big Rideau Watercraft Ride for Dad)</b> (University Hospitals Kingston Foundation)		
<b>PI(s)</b>	<b>Project Title</b>	<b>Amount</b>
Gee, Katrina	Training the immune system to attack: natural killer cell mediated prostate cancer cell death	\$38,000.00