

**Successful Applicants of the  
2024 Health Sciences Internal Grant Competition**

The Queen’s Health Sciences Research office and the Kingston General Health Research Institute are pleased to announce the following successful applicants of the 2024 Health Sciences Internal Grant Competition, made available from various sources from the Faculty of Health Sciences endowment funds, and bequests and donations made to the University Hospitals Kingston Foundation.

**Pulmonary and Respiratory Research**

<b><i>William M. Spear Endowment Fund in Pulmonary Research Richard K. Start Memorial Fund</i></b> (Faculty of Health Sciences)		
<b>PI(s)</b>	<b>Project Title</b>	<b>Amount</b>
Neder, Jose Alberto Serafini	The effects of pharmacological deflation on small airway function, operating lung volumes, and neuromechanical dissociation in COPD: The SOUND study	\$32,800
Kaufmann, Eva	Investigation of central vs local hematopoiesis in asthma	\$32,800
Domnik, Nicolle	Metronome-Paced Tachypnea: a Viable Surrogate for Exercise Testing to Induce Dynamic Hyperinflation and Test Bronchodilator Responsiveness?	\$32,800
Digby, Genevieve & Renwick, Neil	Establishing a novel multimodal blood test for diagnosing neuroendocrine neoplasms in the lung	\$30,000

**Neurological Sciences and Encephalitis Research**

<b><i>Harry Botterell Foundation for Neurological Sciences Dr. James B. Howe Endowment Fund Violet E. Powell Endowed Funds</i></b> (Faculty of Health Sciences)		
<b>PI(s)</b>	<b>Project Title</b>	<b>Amount</b>
Basta, Sam	Investigating immune mechanisms of lymphocytic choriomeningitis viral infection	\$27,000
Cook, DJ	Co-localization of biomechanical strain and physiologic dysfunction in varsity athletes exposed to head impacts	\$25,886

### Cardiovascular Research

<b>Garfield Kelly Fund in Cardiovascular Research</b> (Faculty of Health Sciences)		
<b>PI(s)</b>	<b>Project Title</b>	<b>Amount</b>
Johri, Amer & Haffrey, Sean	PRIME POCUS Study: Primary Prevention through Risk prediction Improvement of Major Cardiovascular Events Using POCUS.	\$19,500
Dick, Sarah	Defining fibroblast-macrophage crosstalk in the ischemic heart	\$19,500

### Cancer Research

<b>Clare Nelson Bequest Fund</b> (University Hospitals Kingston Foundation)		
<b>PI(s)</b>	<b>Project Title</b>	<b>Amount</b>
Berman, David & Postovit, Lynne & Simpson, Amber	Hypoxia as a driver of bladder cancer dedifferentiation and progression	\$19,000

### Neuroinflammatory Markers Research

<b>Women's Giving Circle</b> (University Hospitals Kingston Foundation)		
<b>PI(s)</b>	<b>Project Title</b>	<b>Amount</b>
De Felice, Fernanda & Gallivan, Jason	Exploring the impact of social environment on neuroinflammation and brain architecture	\$36,000

### 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>
Badillo, Francisco Emilio Vera & Varma, Sonal	A HER2 expression and overall survival analysis in patients with Prostate Cancer	\$35,000