Successful Applicants of the 2023 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 2023 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

William M. Spear Endowment Fund in Pulmonary Research
Richard K. Start Memorial Fund
(Faculty of Health Sciences)

PI(s)	Project Title	Amount
Neder, Jose Alberto Serafini	Measuring physiological dead space during exercise with breath-by-breath volumetric capnography in dyspneic patients with mild COPD	$29,888
Hindmarch, Charles	A single cell transcriptome study to establish the molecular signals of heterogenous cells from the decompensated right ventricle of monocrotaline induced pulmonary arterial hypertension rats.	$29,713
Domnik, Nicolle	The effect of CPAP therapy on exercise capacity and tolerance in COPD-OSA Overlap	$29,955
Digby, Genevieve	Accelerating lung neuroendocrine tumour diagnosis using plasma miR-375 real-time PCR	$29,943

Neurological Sciences and Encephalitis Research

Harry Botterell Foundation for Neurological Sciences
Dr. James B. Howe Endowment Fund
Violet E. Powell Endowed Funds
(Faculty of Health Sciences)

PI(s)	Project Title	Amount
Fucile, Sandra	Sucking pattern to detect neonatal brain injuries in infants: A pilot study	$27,000
Ghasemlou, Nader	The CircaMS Project: Understanding the impact of circadian rhythmicity in multiple sclerosis	$27,000

Spinal Cord Research

Mark S. Lodge Fund in Spinal Cord Research) (Faculty of Health Sciences)		
PI(s)	**Project Title**	**Amount**
Brennan, Faith	Understanding transcriptional changes after spinal cord injury with spatiotemporal resolution	$21,000

Cancer Research

Clare Nelson Bequest Fund (University Hospitals Kingston Foundation)		
PI(s)	**Project Title**	**Amount**
Gyawali, Bishal	Assessing Financial Toxicity and evaluating its association with treatment outcomes among Canadian patients with cancer participating in clinical trials	$20,000

Immunity, Infection, and Inflammation

Women's Giving Circle (University Hospitals Kingston Foundation)		
PI(s)	**Project Title**	**Amount**
Doiron, Christopher	Characterizing the B cell repertoire of Hunner lesions in Interstitial Cystitis/Bladder Pain Syndrome through B cell receptor sequencing.	$35,500

Prostate Cancer Research

Prostate Cancer Fight Foundation/TELUS Ride for Dad (Kingston-Quinte Chapter of the Ride for Dad and Big Rideau Watercraft Ride for Dad) (University Hospitals Kingston Foundation)		
PI(s)	**Project Title**	**Amount**
Gee, Katrina	Evaluation of prostate cancer patient immune response to IL-27-based therapy	$30,000
Talbot, Sebastien	Role of sensory and sympathetic nerves in prostate cancer	$30,000