

## Successful Applicants of the 2016 Internal Funding Competition

The Faculty of Health Sciences Research Office and Kingston General Hospital Research Institute are pleased to announce the following successful applicants of the 2016 Internal Funding Competition, made available through various sources from the Faculty of Health Sciences endowment funds, and bequests and donations made to the University Hospitals Kingston Foundation.

### **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>		
<b>Principal Investigator(s)</b>	<b>Project Title</b>	<b>Amount</b>
Cook, DJ	Mapping the anatomical basis for functional rewiring following stroke	\$9,000
DePaul, Vincent	Physical activity after acquired brain injury: a prospective cohort study	\$12,000
Frauscher, Birgit	Development of a 3-D atlas of physiological cortical activity	\$11,000
Jin, Albert	Robotic assessment of motor deficits after transient ischemic attack	\$10,000
Kawaja, Michael	PEA-15 is a biomarker of A $\beta$ -induced astrogliosis associated with Alzheimer's disease	\$10,000
Levy, Ron	Selective modification of synaptic plasticity in the output nuclei of the basal ganglia in healthy and Parkinsonian non-human primates	\$10,000
Renwick, Neil	Comprehensive detection of RNAs in CSF from patients with and without encephalitis	\$10,000
Saha, Tarit Stroman, Patrick	Functional and anatomical MRI of the spinal cord and perispinal tissues 6 months after cardiac surgery with standard vs. gradual sternal retraction: Implications for chronic post-surgical pain	\$10,000
Walia, Jagdeep	An Assessment of Inflammatory, Genetic and Epigenetic Changes in Brain Post-Gene Therapy with AAV Vector in Sandhoff Disease Mouse Model.	\$9,000

### Cardiovascular Research

<b><i>Garfield Kelly Cardiovascular Research &amp; Development Fund</i></b> (Faculty of Health Sciences)		
<b>Principal Investigator(s)</b>	<b>Project Title</b>	<b>Amount</b>
Johri, Amir	The Heart of an Athlete – The Queen’s University Screening Study	\$11,000
Tranmer, Joan	Determining the risks associated with shift work and incident hypertension in Ontario adults: a population based study	\$10,000

### Pulmonary and Respiratory Research

<b><i>William M. Spear Endowment Fund in Pulmonary Research</i></b> <b><i>Richard K. Start Memorial Fund</i></b> (Faculty of Health Sciences)		
<b>Principal Investigator(s)</b>	<b>Project Title</b>	<b>Amount</b>
Ellis, Anne	Respiratory Outcomes in the Kingston Allergy Birth Cohort: Roles of Air Pollution Exposure and DNA Methylation in Forkhead Box Protein 3 (FOXP3)	\$27,500
Garvey, John Archer, Stephen	Mitochondrial dynamics in intermittent hypoxia - exploring the link between obstructive sleep apnea and pulmonary hypertension	\$12,000
Lougheed, Diane	Pan-Canadian Respiratory Standards Initiative for Electronic Medical Records: A Delphi Approach	\$29,850.00
Massey, Tom	Pulmonary cytotoxicity of anti-dysrhythmic drugs	\$29,850.00
Neder, Alberto	Non-Invasive Assessment of the Pulmonary Microcirculation: Rest and Exercise	\$25,000.00
O'Donnell, Denis	Differential mechanisms of dyspnea relief in advanced COPD: opiates vs. bronchodilators	\$20,797.00
Ormiston, Mark	Interleukin-15 signaling and pulmonary hypertension in mice bearing an endothelial-specific deletion of bmpr2	\$25,000.00

### Breast Cancer Research

<b>Breast Cancer Action Kingston Research Fund</b> (University Hospitals Kingston Foundation)		
<b>Principal Investigator(s)</b>	<b>Project Title</b>	<b>Amount</b>
Nicol, Christopher Craig, Andrew	Integrating miR and gene expression profiles to predict human HER2+ breast tumour metastasis	\$10,000
Sengupta, Sandip	Evaluating ezrin expression in tumour infiltrating cytotoxic T cells as a potential prognostic marker in breast cancer	\$10,000

### Cancer Research

<b>Clare Nelson Bequest Fund</b> (University Hospitals Kingston Foundation)		
<b>Principal Investigator(s)</b>	<b>Project Title</b>	<b>Amount</b>
MacLeod, John	A new link of cancer hypoxia with Wnt signalling	\$12,589

### Prostate Cancer Research

<b>Prostate Cancer Fight Foundation/TELUS Ride for Dad</b> <i>(Kingston-Quinte Chapter of the Ride for Dad and Big Rideau Watercraft Ride for Dad)</i> (University Hospitals Kingston Foundation)		
<b>Principal Investigator(s)</b>	<b>Project Title</b>	<b>Amount</b>
Berman, David	Prognostic implications of ezrin expression in prostate cancer	\$25,000
Sheth, Premeet	Investigating the functional aspects of the gastrointestinal tract microbiota in prostate cancer patients	\$23,950

### Mental Health Research

<b>Women's Giving Circle</b> (University Hospitals Kingston Foundation)		
<b>Principal Investigator(s)</b>	<b>Project Title</b>	<b>Amount</b>
Feilotter, Harriet	The role of miRNA as regulators of redox changes in psychiatric disorders	\$10,000
Milev, Roumen	Stress sensitivity and reward responsivity in major depression: A 6-month follow-up	\$10,000
Wijeratne, Don Thiwanka	Effect of Selective Serotonin Receptor Inhibitors on Bone Health, A systematic review and Meta-Analysis	\$10,000