

# ONTARIO THORACIC REVIEWS

B R E A T H E  
the lung association

ONTARIO THORACIC SOCIETY

## The Lung Association – Ontario & Ontario Thoracic Society Grant-In-Aid Awards 2017-2018

The Ontario Thoracic Society (OTS) is pleased to announce that funding from The Lung Association – Ontario has been awarded to the following recipients:

**Primary Investigator:** Dr. Zhou Xing, McMaster University

**Project Title:** Mechanisms of viral vaccine-Trained Innate Immunity (TII) against heterologous pneumococcal infection in the lung

**Amount:** \$47,189

**Primary Investigator:** Dr. Denis O'Donnell, Queen's University

**Project Title:** Mechanisms of Positional Dyspnea in Patients with Advanced COPD

**Amount:** \$46,518

**Primary Investigator:** Dr. Martin Stampfli, McMaster University

**Project Title:** Impact of cigarette smoke on dendritic cell phenotype and function in the upper respiratory tract mucosa

**Amount:** \$49,850

**The Lung Association – Ontario/Pfizer Canada Research Award Recipient**

**Primary Investigator:** Dr. Chung-Wai Chow, University Network Toronto General Hospital and University of Toronto

**Project Title:** Modulation of the CD200R pathway in a chronic mouse model of allergic airways inflammation

**Amount:** \$47,189

**Primary Investigator:** Dr. Jonathan Draper, McMaster University

**Project Title:** Modeling pulmonary fibrosis using patient-derived pluripotent stem cells

**Amount:** \$46,684

**Primary Investigator:** Dr. Parameswaran Nair, McMaster University

**Project Title:** Corticosteroid Insensitivity and Bacterial Bronchitis in Severe Asthma

**Amount:** \$45,112

**Primary Investigator:** Dr. Sean Gill, Western University

**Project Title:** Role of TIMPs in pulmonary microvascular endothelial cell activation and dysfunction in lung injury

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BREATH  
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**Amount:** \$33,504

**Breathe New Life Award Recipient\***

**Primary Investigator:** Dr. Cory Yamashita, Western University

**Project Title:** Optimization of a Host-Defense Peptide Fortified Surfactant for Clinical Use

**Amount:** \$45,492

**Primary Investigator:** Dr. Matthew Miller, McMaster University

**Project Title:** Unravelling the role of antibody-mediated Fc-dependent effector functions in mucosal immunity against influenza virus

**Amount:** \$47,189

**Primary Investigator:** Dr. Kyle Cowan, Children's Hospital of Eastern Ontario/University of Ottawa

**Project Title:** Targeted Delivery of Elastase Inhibitors to Reverse Congenital Diaphragmatic Hernia Associated Pulmonary Vascular Disease

**Amount:** \$47,189

**Primary Investigator:** Dr. Janet Yamada, Ryerson University

**Project Title:** A theoretical approach to identifying the barriers and enablers to using an electronic asthma management system in primary care

**Amount:** \$44,520

**Primary Investigator:** Dr. Gaspard Montandon, St. Michael's Hospital

**Project Title:** Targeting regulators of G-protein signaling to prevent opioid-induced respiratory depression

**Amount:** \$47,081

**Primary Investigator:** Dr. Manoj Lalu, The Ottawa Hospital Research Institute/University of Ottawa

**Project Title:** Mesenchymal stem cell exosomes as a novel therapy for acute lung injury

**Amount:** \$47,188

**Primary Investigator:** Dr. Chris Verschoor, McMaster University

**Project Title:** Correlates of lung function in older Canadians: a comprehensive, multi-disciplinary approach

**Amount:** \$47,189

**Primary Investigator:** Dr. Edmond Young, University of Toronto

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**Project Title:** SELA-Chip: Developing a microfluidic airway organ-on-a-chip system for advanced studies in respiratory health

**Amount:** \$37,751

**Primary Investigator:** Dr. Stephen Lapinsky, Sinai Health System

**Project Title:** Mechanical ventilation in obstetric patients

**Amount:** \$46,321

**Primary Investigator:** Dr. Anne Ellis, Queen's University

**Project Title:** Allergic and Respiratory Outcomes of the Kingston Allergy Birth Cohort (KABC) – The Interplay Between Epigenetics, Outdoor Air Pollution and Environmental Chemicals

**Amount:** \$44,829

**Primary Investigator:** Dr. Sunita Mulpuru, University of Ottawa

**Project Title:** Impact of a Unique Goal-Directed COPD Care Pathway on Clinical and Patient Reported Outcomes: A Hospital-Based Pilot Feasibility Study

**Amount:** \$47,189

Applications for the 2018-2019 Grant-In-Aid program opened on October 2, 2017. Information on the program is available from the National Lung Association website: <https://www.lung.ca/>

## **\*About the Breathe New Life Award**

The Lung Association Grant-In-Aid (GIA) program has long had a mandate to support and promote new researchers in the field of respiratory health. For the purposes of this grant program, a 'new' investigator is defined as a researcher who is within the first seven years of their first faculty appointment.

The Breathe New Life Award was developed to highlight excellence amongst upcoming researchers. Each year, it is awarded to the new investigator with the highest score, as determined by the Canadian Thoracic Society review panel.

The award is partially or fully funded by donations made to the "Top It Up" campaign, a specific fundraiser for respiratory health research.

The winner of the award is featured in various marketing and communications vehicles produced by TLA as a means of promoting research within the larger community.