



**NATIONAL RESEARCH PROGRAMS
FUNDING REPORT
2009-2010**

THE LUNG ASSOCIATION
RESEARCH FUNDING REPORT

2009/2010 TOTAL: \$1,712,631

1. The CRHP Research Committee of the Canadian Lung Association peer reviewed 3 fellowship applications and 6 grant applications for the 2009/10 competition. Here are the successful award recipients:

CRHP/CLA TOTAL: **\$84,694.00**

Fellowships (1 year award)

| | |
|---------------------------------------|------------|
| Marla Beauchamp; McMaster University | \$7,500.00 |
| Shirley Price; University of Toronto | \$1,250.00 |
| Lisa Wickerson; University of Toronto | \$3,750.00 |

Grants (1 year award)

PI: Dina Brooks, Associate Professor, University of Toronto
Title: **Investigating the change in average daily energy expenditure and relationships with other clinical outcome measures following completion of a pulmonary rehabilitation program (PR).**

Amount: \$17,980.00

PI: Michelle Lobchuk, Associate Professor, University of Manitoba
Title: **Internet Support Community for Individuals Affected by Lung Cancer: Discussion Content and Implications for Health Care Providers**

Amount: \$15,669.00

PI: Darlene Reid, Professor, University of British Columbia
Title: **Does Pain interfere with Physical Activity in People with COPD?**

Amount: \$18,555.00

PI: Souraya Sidani, Professor, Ryerson University
Title: **Smokers' Preferences for Pharmacological and Behavioral Cessation Treatments**

Amount: \$19,990.00

CTS/CLA TOTAL: **\$249,250.00**

The Canadian Thoracic Society (CTS) of The Lung Association is pleased to announce the successful applicants of the 2009/10 fellowships and studentships.

Fellowships (2 year award)

Awardee: Emilie Boncoeur, Post-doctorat de Biologie cellulaire et moléculaire
Institution: Université de Montréal
Amount: \$90,000 (\$45,000/year) – renewed for 2009-2010

Awardee: Dennis Jensen, Post-doctorate
Institution: Queen's University
Amount: \$90,000 (\$45,000/year) – year 1

Awardee: Gaspard Montandon, Post-doctorate
Institution: University of Toronto
Amount: \$90,000 (\$45,000/year) – year 1

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Studentships (2 year award)

Awardee: Karim Shalaby, PhD in Physiology
Institution: McGill University
Amount: \$42,000 (\$21,000/year) – renewed for 2009-2010

Awardee: Carla Bauer, PhD in Infection and Immunity
Institution: McMaster University
Amount: \$42,000 (\$21,000/year) – year 1

Awardee: Naresh Singh Redhu, PhD Immunology
Institution: University of Manitoba
Amount: \$42,000 (\$21,000/year) – year 1

CTS/CLA/AllerGen Clinician Scientist Award (2 year award)

Awardee: Brandie Walker
Institution: University of Calgary
Amount: \$115,000 (CTS/CLA portion: \$28,750/year)

CTS/CLA/GSK/CIHR Fellowship Award (2 years)

Awardee: Tillie-Louise Hackett
Institution: University of British Columbia
Amount: \$90,000 (CTS/CLA portion: \$22,500/year)

3. National Grant Review 2009/2010 (\$1,378,687)

Under the leadership of Dr. Geoffrey Payne and Dr. Irvin Mayers, Chairs of the Clinical and Basic Science panels, members reviewed a total of 71 applications from Alberta, British Columbia and Ontario.

Alberta Lung Association (1 year awards) (\$160,000)

| Name | Project Title | Amount |
|--------------------------|---|-------------|
| Dr. Gary Eitzen | Regulation of mast cell exocytosis | \$30,000.00 |
| Dr. Margaret Kelly | The Role of Neutrophils and IL-17 in the Pathogenesis of Hypersensitivity Pneumonitis. | \$30,000.00 |
| Dr. David Proud | Modulation of Epithelial Responses to Human Rhinovirus Infection by Cigarette Smoke Extract | \$40,000.00 |
| Dr. Jim Kellner | Accuracy of Metabolomics for Diagnosing Pediatric Pneumonia | \$30,000.00 |
| Dr. Harissios Vliagoftis | Proteinase-activated Receptor-2 (PAR-2) Activation on Human Nasal Mucosa by House Dust Mite and Cockroach Allergens | \$30,000.00 |

Total: \$160,000

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British Columbia Lung Association (\$604,857)

| PI | Project Title | Amount | Funding Length |
|------------------------|---|----------|----------------|
| Dr. Yossef Av-Gay | Protein Phosphatase A Signaling In Mycobacterium Tuberculosis Pathogenesis | \$60,000 | Over 2 Years |
| Dr. Najib Ayas | The Impact Of Obstructive Sleep Apnea On Injuries And Crashes | \$44,000 | Over 2 Years |
| Dr. Lindsay D Eltis | A Steroid-Degrading Oxygenase As A Target For Novel TB Therapeutics | \$59,540 | Over 2 Years |
| Dr. Richard J Finley | A Randomized Controlled Trial To Determine If Thoracoscopic Resection Of Subcentimetre Lung Nodules After Localization Using Percutaneously Inserted Platinum Microcoils Under CT Guidance Reduces Rate Of Conversion To Open Thoracotomy From 50% to 10% | \$60,000 | Over 2 Years |
| Dr. John Fleetham | Genetics Of Obstructive Sleep Apnea | \$60,000 | Over 2 Years |
| Dr. Zakaria Hmama | Enhancing The Efficacy of Conventional BCG: Optimal Stimulation Of Dendritic Cells | \$60,000 | Over 2 Years |
| Dr. William W Mohn | The Role Of A Mycobacterial P450 Monooxygenase In Cholesterol Metabolism And Pathogenesis | \$59,317 | Over 2 Years |
| Dr. W. Darlene Reid | Serum Troponin I Following Respiratory Threshold Muscle Loading | \$22,000 | Over 1 Year |
| Dr. David Speert | Defining The Response Of The Innate Immune System To Mucoicid And Non-Mucoicid Burkholderia Cepacia Complex | \$60,000 | Over 2 Years |
| Dr. Charles J Thompson | Development Of Small-Molecule Inhibitors of the Transcriptional Activator WhiB7 To Sensitise Mycobacterium Tuberculosis To Conventional Antibiotics And Decrease Pathogen Virulence | \$60,000 | Over 2 Years |
| Dr. Joanne L. Wright | Mechanisms of Cigarette Smoke-Induced Pulmonary Hypertension | \$60,000 | Over 2 Years |

Total: \$604,857

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Ontario Lung Association (1 year awards) (\$613,830)

| PI | Project Title | Amount |
|--------------------------|--|----------|
| Dr. Kayvan Amjadi | Randomized Controlled Trial of Pregabalin for the Treatment of Chronic Cough | \$38,696 |
| Dr. Sharon Dell | Making the Link Between Objective Measures of Airway Disease and Epidemiological Survey Data: Validation of the ISAAC Questionnaire in Toronto School Children | \$50,000 |
| Dr. Nancy Ford | Mandibular Movement During Sleep | \$36,486 |
| Dr. Roger Goldstein | Optimizing outcomes gained from pulmonary rehabilitation: the development of a Community based maintenance exercise program for individuals with COPD | \$46,061 |
| Dr. Luke Janssen | Calcium-Signaling and Gene Expression in Human Pulmonary Fibroblasts | \$50,000 |
| Dr. Manel Jordana | Role of Eosinophils and IL-13 in Allergic Airway Dysfunction and Remodeling | \$49,000 |
| Dr. Renee Labiris | Preclinical Imaging for the Investigation of Inflammation, Remodeling and Intervention in a Rat Model of Allergic Airway Disease | \$49,834 |
| Dr. Andrew Leask | Protein kinase C epsilon: a novel target for anti-fibrotic drug intervention? | \$45,000 |
| Dr. Diane Lougheed | Clinical Relevance of Abnormal Symptom Perception in Asthma: A prospective cohort study | \$49,628 |
| Dr. John Peter McPherson | The Role of Bclaf1 Bcl-2 associated factor 1) in lung development | \$50,000 |
| Dr. Denis O'Donnell | The Effect of Obesity on Dyspnea and Exercise Performance in COPD | \$49,550 |
| Dr. Grace Parraga | The relationship between Hyperpolarized Helium-3 Magnetic Resonance Ventilation Heterogeneity and Airway Hyper-responsiveness in Asthma | \$49,575 |
| Dr. Zhou Xing | Role of immunoreceptor DAP12 in negative regulation of immune activation and immunopathology during respiratory influenza viral infection | \$50,000 |

Total: \$613,830