Western

## Research Development & Services

## Western Strategic Support for CIHR Success

**October 2012**

| Award Recipient | | Department | Faculty | Project Title | Total Award Amount |
|---|---|---|---|---|---|
| Beier | F. | Physiology & Pharmacology | Medicine & Dentistry | *The ROCK inhibitor Fasudil as a potential new treatment for osteoarthritis* | $18,000.00 |
| Berube | N. | Biochemistry | Medicine & Dentistry | *The importance of chromatin structure in intellectual disability syndromes* | $22,500.00 |
| Birmingham | T. | Physical Therapy | Health Sciences | *Reliability of Quantitative MRI measures of knee cartilage before and after High Tibial Osteotomy using a novel PEEK implant* | $18,000.00 |
| Choy | W-Y | Biochemistry | Medicine & Dentistry | *Structural Studies of Intrinsically Disordered Proteins Associated with Human Diseases* | $15,000.00 |
| Chronik | B. | Physics & Astronomy | Science | *Pilot data for evaluation of MRI - compatible devices and materials* | $14,000.00 |
| Creuzenet | C. | Microbiology & Immunology | Medicine & Dentistry | *Role of novel cystein-rich proteins in the pathogenicity of Helicobacter pylori* | $14,347.00 |
| Culham | J. | Psychology | Social Science | *Neural Coding Within Human Brain Regions Involved in Hand Actions* | $22,500.00 |
| Cumming | R. | Biology | Science | *A novel neuroimaging approach to study brain metabolism in transgenic Alzheimer's disease mice* | $22,500.00 |
| Dhanvantari | S. | Medicine | Medicine & Dentistry | *Characterization of the cardiac growth hormone secretagogue receptor* | $22,500.00 |

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| Dikeakos | D. J. | Microbiology & Immunology | Medicine & Dentistry | *Novel AIDS therapeutics targeting the Nef-SFK interaction* | $9,105.00 |
| Getgood | A. | Surgery | Medicine & Dentistry | *Why are cartilage defects painful?* | $19,240.00 |
| Gilliland | J. | Geography | Social Science | *Development of a smart phone 'app' to examine the influence of a spatially and temporally targeted intervention on food purchasing, diet, and food literacy* | $17,000.00 |
| Grahn | J. | Psychology | Social Science | *Rhythm and movement: neural mechanisms and individual differences* | $22,500.00 |
| Hardy | D. | Physiology & Pharmacology | Medicine & Dentistry | *Telomerase Therapy for Intrauterine Growth Restriction (IUGR)* | $15,663.00 |
| Holdsworth | D. | Surgery | Medicine & Dentistry | *Real-time microscopy during high-frequency mechanostimulation of living cells* | $15,200.00 |
| Kerfoot | S. | Microbiology & Immunology | Medicine & Dentistry | *Development of a novel murine model of multiple sclerosis for investigating B cell-biology in promoting autoimmune disease* | $11,832.00 |
| Lewis | J. | Physiology & Pharmacology | Medicine & Dentistry | *Role of cholesterol in surfactant function* | $12,700.00 |
| Lomber | S. | Physiology & Pharmacology | Medicine & Dentistry | *Auditory Cortex Plasticity Following Hearing Loss and Restoration* | $21,000.00 |

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| McGavin | M. | Microbiology & Immunology | Medicine & Dentistry | *Response of community acquired methicillin resistant Staphylococcus aureus to antimicrobial fatty acids* | $16,200.00 |
| McKenzie | C. | Medical Biophysics | Medicine & Dentistry | *Quantification of Fetal Fat Distribution with MRI* | $10,355.00 |
| Menon | R. | Medical Biophysics | Medicine & Dentistry | *High sensitivity detection of novel biomarkers in female athletes at risk for concussion* | $22,400.00 |
| Postovit | L-M | Anatomy & Cell Biology | Medicine & Dentistry | *Development of transgenic mouse models to study Nodal* | $20,000.00 |
| Reid | G. J. | Family Medicine | Medicine & Dentistry | *Data Linkage for Children's Mental Health and Health Services: Proof of Concept* | $4,637.00 |
| Rylett | J. | Physiology & Pharmacology | Medicine & Dentistry | *Effect of Insulin Resistance on Cholinergic Neuron Function in Relation to Alzheimer's Disease* | $22,500.00 |
| Séguin | C. | Physiology & Pharmacology | Medicine & Dentistry | *Whole body vibration and intervertebral disc health* | $9,400.00 |
| Shepherd | T. | Obstetrics & Gynaecology | Medicine & Dentistry | *Functional interrogation of cellular stress response pathways in ovarian cancer metastasis* | $17,080.00 |
| Siqueira | W. | Dentistry & Biochemistry | Medicine & Dentistry | *Proteomic approaches to elucidate molecular interactions at salivary interfaces* | $16,310.00 |

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| Strong | M. | Clinical Neurological Science | Medicine & Dentistry | *Somatic gene transfer to express Thr175Asp-tau in rat hippocampus and entorhinal cortex* | $22,500.00 |
| Whitehead | S. | Clinical Neurological Sciences | Medicine & Dentistry | *Live cell imaging of membrane lipids during neurodegeneration* | $10,000.00 |
| Yamashita | C. | Medicine | Medicine & Dentistry | *MMP3 regulates macrophage function following lung injury* | $15,400.00 |
| | | | | ***Program and Match Total:*** | **$500,369.00** |