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**