Western

# Research Development & Services

## ADF - New Research and Scholarly Initiative Awards - Major Grant Results

**November 2012**

| Assigned ID | PI Name | | Department | Faculty | Project Title | Award |
|---|---|---|---|---|---|---|
| **Biosciences** | | | | | | |
| 13-101 | Allman | B. | Anatomy Cell Biology | Medicine & Dentistry | *Tinnitus Induced by Loud Noise Exposure: Neural Basis and Role of Chronic Stress* | $52,824.00 |
| **Co-applicants:** | | | | | | |
| 13-103 | Birmingham | T. | Physical Therapy | Health Sciences | *Western's Shared Osteoarthritis Biomarker Registry* | $92,257.00 |
| **Co-applicants:** | Giffin | J. R. | Surgery | Medicine & Dentistry | | |
| 13-105 | Carrilho | M. | Dentistry | Medicine & Dentistry | *Role of proteolytic enzymes in degradation of dentin matrix* | $59,735.00 |
| **Co-applicants:** | Beier | F. | Physiology & Pharmacology | Medicine & Dentistry | | |
| 13-107 | Dikeakos | D.J. | Microbiology & Immunology | Medicine & Dentistry | *The University of Western Ontario Baculovirus Protein Expression Facility* | $42,610.00 |
| **Co-applicants:** | | | | | | |
| 13-123 | Power | N. | Surgery | Medicine & Dentistry | *Plasma Tumor Microparticles for Diagnosis in Male Testicular Neoplasms* | $33,912.00 |
| **Co-applicants:** | Leong | H. | Oncology | Medicine & Dentistry | | |
| 13-129 | Way | D. | Biology | Science | *Do future climate change scenarios decrease tree drought tolerance?* | $23,206.00 |
| **Co-applicants:** | | | | | | |
| | | | | | **Biosciences** | **$304,544.00** |

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| **Physical & Mathematical Sciences, and Engineering** | | | | | | |
| 13-203 | Gilroy | J. | Chemistry | Science | *An Inert Atmosphere Electrochemistry Facility for the Synthesis and Characterization of Multifunctional Polymeric Materials with Application in Alternative Energy Technologies* | $69,857.00 |
| **Co-applicants:** | | | | | | |
| 13-206 | Hudson | R. | Chemistry | Science | *Contrast Agents for the Detection of Nitric Oxide Synthase (NOS) Enzymatic Activity by PARACEST MRI* | $69,000.00 |
| **Co-applicants:** | Bartha | R. | Robarts Research Institute | Medicine & Dentistry | | |
| 13-209 | Kuboki | T. | Mechanical & Materials Engg | Engineering | *Micro Manufacturing System for Novel Composite Materials* | $149,900.00 |
| **Co-applicants:** | | | | | | |
| 13-216 | Trejos | A. L. | Electrical & Computer Engg | Engineering | *Development of a Mechatronic Brace for the Treatment of Repetitive Strain Injury of the Hand* | $76,036.00 |
| **Co-applicants:** | | | | | | |
| | | | | | **Physical & Mathematical Sciences, and Engineering** | **$364,793.00** |
| **Social Sciences, Arts and Humanities** | | | | | | |
| 13-301 | Ansari | D. | Psychology | Social Science | *A Systematic Description of the Mathematics Skills of Individuals with Autism Spectrum Disorders: Is Mathematical Ability Predictive of Adaptive Functioning?* | $63,750.00 |
| **Co-applicants:** | Nicolson | R. | Psychiatry | Medicine & Dentistry | | |

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| 13-302 | Choi | K. | Sociology | Social Science | *Mexican Migration and Birth Outcomes: The Healthy Migrant Hypothesis Revisited through a Binational Lens* | $22,272.00 |
| **Co-applicants:** | | | | | | |
| 13-303 | Huey | L. | Sociology | Social Science | *Resiliency Formation in the Lives of Homeless Women* | $90,248.00 |
| **Co-applicants:** | Hoaken | P. | Psychology | Social Science | | |
| | | | | | **Social Sciences, Arts and Humanities** | **$176,270.00** |
| | | | | | **TOTAL:** | **$845,607.00** |