

## 2007 OPERATING GRANTS

Each year the Manitoba Institute of Child Health with support from the Children's Hospital Foundation of Manitoba, Inc. awards a number of operating grants based on scientific excellence and relevance to child health research. All grants are reviewed by experts in their respective fields and by the Institute Research Committee (IRC). Operating grant funds are used to support the direct costs (personnel, materials and supplies) of pediatric research.

<b>Dr. Christine Ateah</b>	\$33,900
"Disciplining Children: The Parent's Perspective"	
<b>Dr. Judy Anderson</b>	\$12,048
"Reliability and Validity of a Lower Body Musculoskeletal Assessment Protocol in an adolescent Population"	
<b>Dr. David Eisenstat</b>	\$45,000
"Regulation of GABAergic Interneuron Migration and Differentiation in the Vertebrate Forebrain by DLX Transcription Factors - Relevance to Neurodevelopmental Disorders"	
<b>Dr. Allison Elliott</b>	\$24,500
"Molecular Characterization of Skeletal Disorders in Manitoba Patients"	
<b>Dr. Louise Giles</b>	\$35,100
"Developmental Expression of Nrf2 in Neonatal Lung and its Relationship to Antioxidant Enzyme Regulation"	
<b>Dr. Marek Los</b>	\$39,000
S100A8/A9, or its Cytotoxic Signaling Pathway - A New Target For neuroblastoma Therapy"	
<b>Dr. Mike Namaka</b>	\$45,000
"Multiple Sclerosis Induced Neuropathic Pain"	
<b>Dr. Ethan Rubinstein</b>	\$45,000
"The Molecular Epidemiology of Acute Infectious Diarrhea in the Pediatric Cases attending the Winnipeg CH Emergency Room"	
<b>Dr. Abdelilah Soussi Gounni</b>	\$45,000
"Molecular Regulation and Function of the High Affinity IgE Receptor (FcεRI) in Human Neutrophils"	
<b>Dr. Lynne Warda</b>	\$40,245
"The Role of Family Supervision"	

## 2007 POST DOCTORAL FELLOWSHIPS

(TWO YEAR AWARD VALUED AT \$17,850 PER YEAR)

### Dr. Allison Dart

**Project Title:** "The Natural history of Diabetic Nephropathy and other Complications in your Onset Type 2 Diabetes Mellitus in a Cohort of Manitoba Children"

**Supervisors:** Dr. E. Sellers, Dr. P. Marten

### Dr. Saeid Ghavami

**Project Title:** Effects of the Neutrophil Inflammatory Mediator, S100A8/A9, on Airway Mesenchymal Cells"

**Supervisor:** Dr. Andrew Halayko

### Dr. Zhou Gang

**Project Title:** "A New Strategy for Asthma Therapy using Vaccines against Self-Protein: Targeting Acidic Mammalian Chitinase (Amcase)"

**Supervisor:** Dr. Zhikang Pang

### Dr. Kamran Kadkhoda

**Project Title:** A Preclinical Study to Evaluate the Effect of IL-4, 13 Silencing siRNA with Mycolic Acid and Muramyl Dipeptide on alleviating Airway Hyperactivity in a Murine Model of Sathma"

**Supervisor:** Dr. Xi Yang

### Dr. Shunyan Lu

**Project Title:** "Fibroblast Growth Factor-16 as a Candidate Gene for X-linked Facial and Cardiovascular Birth Defects"

**Supervisor:** Dr. Peter Cattini

### Dr. Jungang Xie

**Project Title:** "Identification of Novel Peanut Allergen-stimulated Immunoregulatory Gene Expression in Humans"

**Supervisor:** Dr. Kent Hayglass

### Dr. Anne Zuse

**Project Title:** "Apoptin-based Pettidomimetics as Novel Anti-cancer Agents"

**Supervisor:** Dr. Marek Los

## 2007 GRADUATE STUDENTSHIPS

The Manitoba Institute of Child Health with support from the Children's Hospital Foundation of Manitoba provides trainee awards to individuals enrolled in undergraduate studies in Master's or PhD level degree programs. Priority is given to students in the early stages of their studies. Awards are for two years and are valued at \$17,850 per year.

### Mehdi Eshraghi

**Project Title:** "Necro-Apoptotic Death Pathways in Neuroblastoma as Target for Cancer Therapy Development"

**Supervisor:** Dr. Marek Los

### Jena Fediuk

**Project Title:** "Thromboxane Receptor-G Protein Coupling in Neonatal Pulmonary Artery Myocytes and Downstream Rho-GTPase Activation by Hypoxia"

**Supervisor:** Dr. Shyamala Dakshinamurti

### Xiaoling Gao

**Project Title:** "Role of Dendritic Cells in BCG Infection-Mediated Inhibition of Allergy"

**Supervisor:** Dr. Xi Yang

### Qingdong Guan

**Project Title:** "A New Therapeutic Strategy for Inflammatory Bowel Disease using Vaccines against 1L-12/1L-23 p 40"

**Supervisor:** Dr. Zhikang Peng

### Kelly Hartle

**Project Title:** "Anatomical and Behavioral Consequences of Exposure to Hypoxia Inutero"

**Supervisor:** Dr. Tammy Ivanco

### Karen McGuire

**Project Title:** "Genetic and Environmental Determinants of Type 2 Diabetes in Youth"

**Supervisor:** Dr. Jon McGavock

### Naresh Redhu

**Project Title:** "Molecular Regulation of High Affinity IgE Receptor (Fc&RI) in Airway Smooth Muscle Cells"

**Supervisor:** Dr. Abdelilah Soussi Gounni

## 2007 UNDERGRADUATE STUDENTSHIPS

(12 WEEK STIPEND VALUED AT \$4500)

### Student Name

### Supervisor

Apoorva Balakrishna	Dr. S. Dakshinamurti
Samantha Carey	Dr. J. McGavock
Travis Carpenter	Dr. Reed
David Chudley	Dr. Ding
Gordeon Dueck	Dr. A. Halayko
Richard Dyrkacz	Dr. L. Warda
Elizabeth Esselmont	Dr. Rempel
Robert Gourlay	Dr. Hatch
Wisam Helewa	Dr. Scott
Matthew Jeffers	Dr. T. Ivanco
Chaobo Jiang	Dr. Eisenstat
Cheryl Jones	Dr. Malisza
Genevieve Julien	Dr. Pang
Lynda Kong	Dr. M. Los
Dmitri Krassioukov-Ens	Dr. M. DelBigio
Andrea Kroeker	Dr. A. Halayko
Mark Lipson	Dr. B. Triggs-Raine
Andrew McKinnon	Dr. H. Pasterkamp
Kenneth Mendoza	Dr. Soussi-Gounni
Colleen Rogers	Dr. C. Taylor
Carly Sanderson	Dr. W. Diehl-Jones
Seth Shaffer	Dr. E. Frost