



*The foundation of kidney care.*

# **SUPPORTING RESEARCH EXCELLENCE**

## **Research Award Recipients**

**JULY 1, 2006 – JUNE 30, 2007**



The foundation  
of kidney care.

July 2006

Since 1964, The Kidney Foundation of Canada has played a fundamental role in supporting and advancing kidney-related research in Canada. In fact, The Kidney Foundation of Canada funds over one third of all kidney-related research in Canada and by the end of 2006, the Foundation's total commitment to research will have exceeded \$77 million.

Research brings hope to patients and their families for better treatment options and a better quality of life. It is thanks to the tireless efforts and the commitment of thousands of dedicated volunteers and contributors across the country that this important research is possible.

The Kidney Foundation of Canada is proud of the role it has played over the past four decades and recognizes that the continual enhancement of research capacity is critical to the advancement of knowledge and the career development and retention of renal researchers.

For 2006-2007, The Kidney Foundation of Canada is once again upholding its commitment to supporting research excellence through Research Grants, Fellowships and Scholarships awarded to investigators from all scientific disciplines.

Based upon the results of the 2006 granting competition, the Foundation has awarded grants, totaling more than \$3.0 million, to fund the 70 projects on the attached listing for the next medical year from July 1, 2006 to June 30, 2007. This listing also provides information on strategic research initiatives developed in partnership with other stakeholders to address common areas of interest and opportunity. These stakeholders include four of the Canadian Institutes of Health Research (CIHR), two national health charities, the Canadian Society of Nephrology and the Canadian Society of Transplantation.

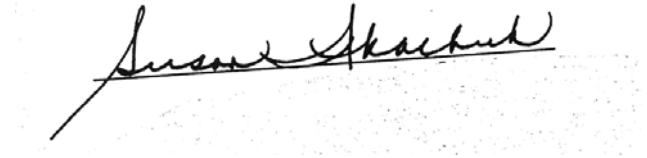
It is with great pride and excitement that we announce the awardees of the second competition year of the Kidney Research Scientist Core Education and National Training (KRESCENT) program, which was launched in January 2005. The KRESCENT program was created through a special collaboration of the Canadian Society of Nephrology and The Kidney Foundation of Canada in special collaboration with the CIHR Institute of Nutrition, Metabolism and Diabetes and the CIHR Institute of Circulatory and Respiratory Health. This landmark initiative represents a major and timely investment in the future of renal research throughout Canada. The KRESCENT program represents an additional fifteen training awards (thirteen post-doctoral fellowships and two new investigator award) and an additional \$950,000 of investment for the medical year July 1, 2006 to June 30, 2007.

The Foundation's investments will support projects in the areas of risk factors, detection of populations at risk, transplantation, dialysis, the psychosocial aspects of kidney disease, genetics, urology, kidney cancer, using basic science and clinical trial methodologies. We are confident that The Kidney Foundation of Canada's commitment to research excellence will make a difference to those suffering from kidney-related diseases.

On behalf of The Kidney Foundation of Canada, congratulations to the new award recipients!

A handwritten signature in black ink that reads "Joaquin Madrenas". The signature is stylized, with a large initial "J" and "M".

Joaquin Madrenas  
Co-Chair, Research Council

A handwritten signature in black ink that reads "Susan Tkachuk". The signature is written in a cursive style.

Susan Tkachuk  
Co-Chair, Research Council

# TABLE OF CONTENTS

<b>The Kidney Foundation of Canada 2006-2007 Research Program Description.....</b>	<b>1</b>
Biomedical Scientific Awards.....	1
Allied Health Scientific Awards .....	1
New Emerging Teams Program (NET).....	1
Kidney Transplantation Fellowship.....	2
<b>The Kidney Foundation of Canada 2006-2007 Research Funding</b>	
<b>by Program</b> .....	<b>3</b>
<b>The Kidney Foundation of Canada 2006-2007 Grant Distribution</b>	
<b>by Areas of Focus</b> .....	<b>4</b>
<b>The Kidney Foundation of Canada 2006-2007 Research Awards</b> .....	<b>5</b>
Biomedical Research Grants.....	5
Biomedical Scholarships .....	13
Biomedical Fellowships .....	14
Allied Health Research Grants.....	16
Allied Health Doctoral Fellowships .....	17
Allied Health Scholarships .....	18
New Emerging Teams Program (NET).....	19
Kidney Transplantation Fellowships .....	20
<b>KRESCENT program 2006-2007 Description</b> .....	<b>21</b>
<b>KRESCENT program 2006-2007 Research Awards</b> .....	<b>22</b>
KRESCENT Post-doctoral Fellowships.....	22
KRESCENT New Investigator Awards .....	25
KRESCENT Infrastructure Support .....	25
<b>Acknowledgements</b> .....	<b>26</b>



# KFOC 2006-2007 Research Program Description

---

The Kidney Foundation of Canada funds Research Grants, Fellowships and Scholarships in nephrology and related areas (e.g. organ donation and urology) to both biomedical and allied health professionals. Below is a brief description of each of the awards:

## *Biomedical Scientific Awards*

- **Biomedical Research Grants** provide financial support to medical researchers to assist in defraying the operating costs of research. Grants are available for up to three years. The research must be carried out in Canada.
- **Biomedical Fellowships** are designed to provide for full-time postdoctoral research training. The Fellowship recipient may train in Canada or at a research centre abroad.
- **Biomedical Scholarships** provide salary support for up to two years of an initial faculty appointment at an approved medical school in Canada.

## *Allied Health Scientific Awards*

- **Allied Health Research Grant** is for a research project relevant to clinical practice. The principal investigator must be an allied health professional (i.e. nurse, dialysis technicians, dieticians, social workers etc.)
- **Allied Health Doctoral Fellowships** support allied health professionals in academic and research preparation at the Doctoral level. Fellowship recipients may train in Canada or abroad.
- **Allied Health Scholarships** assist students with a demonstrated interest in nephrology or urology in pursuing their education at the Masters, Doctoral or Nurse Practitioner level.

## *New Emerging Teams Program (NET)*

- The Kidney Foundation of Canada has successfully formed a partnership with the Canadian Diabetes Association, the Heart and Stroke Foundation of Canada, and the Canadian Institutes of Health Research (CIHR) Institutes of Nutrition, Metabolism and Diabetes, Circulatory & Respiratory Health, and Gender & Health to jointly fund six (6) interdisciplinary teams of researchers focused on common and related aspects of kidney disease, cardiovascular disease and diabetes.



## *KFOC 2006-2007 Research Program Description*

---

- These collaborative and multidisciplinary teams of researchers are funded under the Chronic Disease focus area of the New Emerging Teams (NET) grant competition. Grants through this program provide support of up to \$250,000 per year, for five years. The relevancy and excellence of all submissions were established through a unique inter-agency, peer review process, in which the partner organisations and institutes were directly involved in each step.
- The Kidney Foundation of Canada is proud to have joined its NET partners and will be contributing \$100,000 for the next year in support of the successful projects.

### *Kidney Transplantation Fellowship*

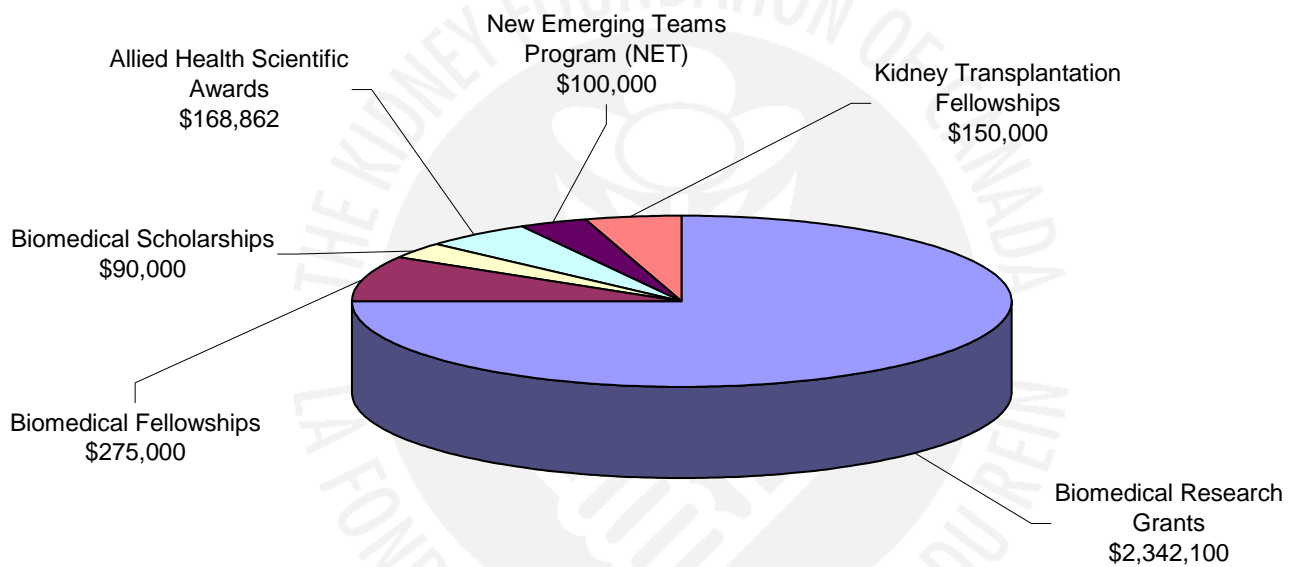
- The Kidney Foundation of Canada has successfully formed a partnership with the Canadian Society of Transplantation and the Canadian Institutes of Health Research (CIHR) Institute of Infection & Immunity to jointly fund two Fellowships focused on kidney transplantation.
- The Kidney Transplantation Fellowship is designed to provide up to three years of support for full-time, postdoctoral research training in the kidney transplantation field in Canada or abroad. The objective of this program is to promote and enhance the development of clinician scientists in Canada involved in basic and clinical kidney transplantation research.



# KFOC 2006-2007 Research Funding by Program

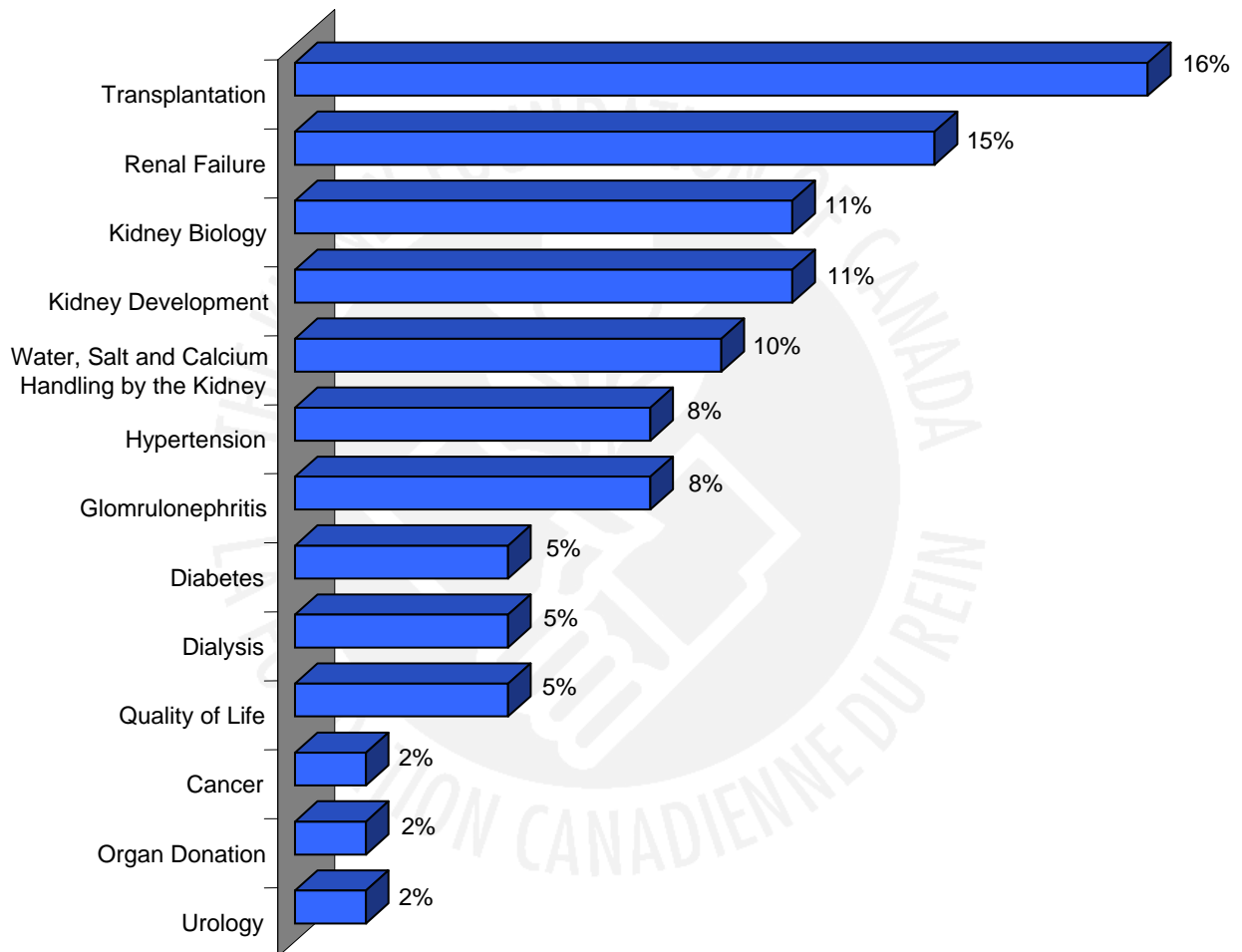
## TOTAL GRANTS AWARDED BY PROGRAM FOR MEDICAL YEAR

JULY 1, 2006 - JUNE 30, 2007





## KFOC 2006-2007 Grant Distribution by Areas of Focus







## KFOC 2006-2007 Research Awards Biomedical Research Grants

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
<b>BICHET, Daniel</b> <b>Centre de recherche de l'Hôpital du Sacré-Cœur de Montréal</b> <i>Nephrogenic diabetes insipidus: long-range transcriptional regulation of AVPR2</i>	Water, Salt & Calcium Handling by the Kidney	2006-2007: \$50,000 2007-2008: \$50,000
<b>BOLDUC, Stéphane</b> François Berthod <b>Centre de recherche du CHA - Hôpital du Saint-Sacrement, Quebec City</b> <i>Élaboration d'une vessie reconstruite par génie tissulaire pour l'application clinique</i>	Urology	2005-2006: \$49,942 2006-2007: \$49,942 2007-2008: \$49,942
<b>BOUVIER, Michel</b> <b>Université de Montréal</b> <i>Structure/function relationship of vasopressin receptor in health and diseases: misfolding of V2 vasopressin receptor in nephrogenic diabetes insipidus</i>	Diabetes	2005-2006: \$50,000 2006-2007: \$50,000
<b>CHAN, John</b> Janos G. Filep <b>Université de Montréal</b> <i>Role(s) of intrarenal angiotensinogen (ANG) gene expression in diabetic nephropathy</i>	Diabetes	2006-2007: \$50,000 2007-2008: \$50,000
<b>CHEN, Xing-Zhen</b> <b>University of Alberta, Edmonton</b> <i>Characterization of the interaction between autosomal recessive polycystic kidney disease protein fibrocystin and motor protein kinesin II</i>	Kidney Biology	2005-2006: \$50,000 2006-2007: \$50,000
<b>CYBULSKY, Andrey</b> <b>McGill University, Montreal</b> <i>Extracellular matrix as a determinant of signaling responses in glomerular epithelial cells</i>	Glomerulonephritis	2006-2007: \$50,000 2007-2008: \$50,000



## KFOC 2006-2007 Research Awards Biomedical Research Grants

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
<b>DU, Caigan</b> Anthony M. Jevnikar <b>University of Western Ontario, London</b> <i>The roles of renal derived transforming growth factor-beta and extracellular signal-regulated kinases 1/2 signaling in renal allograft survival</i>	Transplantation	2006-2007: \$50,000 2007-2008: \$50,000
<b>GARG, Amit</b> Nancy L. Wilczynski, Robert B. Haynes, Kathleen Ann McKibbin, Faisal Rehman <b>Lawson Health Research Institute, London</b> <i>Better use of bibliographic databases for kidney diseases</i>	Renal Failure	2005-2006: \$49,880 2006-2007: \$49,880
<b>GUPTA, Indra</b> <b>Montreal Children's Hospital</b> <i>Vesico-ureteric reflux and urinary tract development</i>	Kidney Development	2005-2006: \$50,000 2006-2007: \$50,000
<b>HÉBERT, Marie-Josée</b> <b>Centre de recherche du CHUM - Hôpital Notre-Dame, Montreal</b> <i>Endothelial apoptosis initiates novel fibrogenic pathways</i>	Transplantation	2006-2007: \$50,000 2007-2008: \$50,000
<b>HÉBERT, Richard</b> <b>University of Ottawa</b> <i>The effects of NSAIDs on diabetic kidney</i>	Diabetes	2006-2007: \$50,000 2007-2008: \$50,000
<b>HEMMELGARN, Brenda</b> Laurel S. Thorlacius, Kailash K. Jindal, Richard D. Krause, Nairne Scott-Douglas <b>University of Calgary</b> <i>Impact of GFR reporting on management of chronic kidney disease and health care utilization</i>	Renal Failure	2006-2007: \$48,466 2007-2008: \$46,542



## KFOC 2006-2007 Research Awards Biomedical Research Grants

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
<b>HLADUNEWICH, Michelle</b> Judith Anne Miller <b>University Health Network, Toronto</b> <i>Oral contraception and kidney disease</i>	Hypertension	2006-2007: \$50,000 2007-2008: \$50,000
<b>ISENRING, Paul</b> <b>Université Laval, Quebec City</b> <i>Molecular characterization of the K-Cl cotransporters</i>	Water, Salt & Calcium Handling by the Kidney	2005-2006: \$50,000 2006-2007: \$50,000
<b>JASSAL, Sarbjit</b> Charmaine Lok <b>University Health Network, Toronto</b> <i>A randomized controlled double blind study using Mupirocin versus Polysporin Triple for the prevention of catheter-related infections in patients treated with peritoneal dialysis</i>	Renal Failure	2006-2007: \$50,000 2007-2008: \$50,000
<b>JOLICOEUR, Paul</b> <b>Institut de recherches cliniques de Montréal</b> <i>Studies of kidney disease induced by HIV-1 NEF</i>	Glomerulonephritis	2005-2006: \$49,000 2006-2007: \$49,000
<b>KENNEDY, Christopher</b> <b>Ottawa Health Research Institute</b> <i>alpha-Actini-4 and the podocyte-towards an understanding of familial FSGS</i>	Kidney Biology	2006-2007: \$50,000 2007-2008: \$50,000
<b>KLARENBACH, Scott</b> <b>University of Alberta, Edmonton</b> <i>Health Care Resource Use in Chronic Kidney Disease: The role of Multidisciplinary Care</i>	Renal Failure	2006-2007: \$49,128 2007-2008: \$49,128



## KFOC 2006-2007 Research Awards Biomedical Research Grants

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
<b>KREPINSKY, Joan</b> <b>McMaster University, Hamilton</b> <i>Caveolae in mesangial cell signaling in response to mechanical stress</i>	Hypertension	2004-2005: \$50,000 2005-2006: \$50,000 2006-2007: \$50,000
<b>LARIVIÈRE, Richard</b> <b>Centre de recherche de l'Hôtel-Dieu de Québec,</b> Quebec City <i>Mechanisms of endothelial dysfunction in chronic renal failure: role of the cytokine TNF-alpha</i>	Hypertension	2006-2007: \$50,000 2007-2008: \$50,000
<b>LEMAY, Serge</b> <b>McGill University, Montreal</b> <i>Role of Dok-4 in the control of renal epithelial cell proliferation and function</i>	Kidney Biology	2005-2006: \$50,000 2006-2007: \$50,000
<b>LUKE, Patrick</b> <b>University of Western Ontario, London</b> <i>CD45RB monoclonal antibody: implications of altered T cell subset ratios</i>	Transplantation	2005-2006: \$50,000 2006-2007: \$50,000
<b>MADRENAS, Joaquin</b> <b>Robarts Research Institute, London</b> <i>The role of RIP-2 in T cell alloreactivity</i>	Transplantation	2006-2007: \$50,000 2007-2008: \$50,000
<b>ALLISON KNUDSEN RESEARCH AWARD</b>		
<b>MARGETTS, Peter</b> <b>McMaster University, Hamilton</b> <i>What is the role of tubular hypoxia in progressive renal disease?</i>	Renal Failure	2006-2007: \$50,000 2007-2008: \$50,000
<b>MARSDEN, Philip</b> <b>University of Toronto</b> <i>Post-transcriptional regulation of endothelin-1 expression: effect of verotoxin</i>	Hypertension	2005-2006: \$50,000 2006-2007: \$50,000



## KFOC 2006-2007 Research Awards Biomedical Research Grants

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
<b>MATSELL, Douglas</b> <b>Child and Family Research Institute, Vancouver</b> <i>Epithelial mesenchymal transition in fetal obstructive nephropathy</i>	Kidney Development	2006-2007: \$50,000 2007-2008: \$50,000
<b>MURRAY, Allan</b> <b>University of Alberta, Edmonton</b> <i>Sphingosine-1-phosphate receptor stimulation of memory lymphocytes</i>	Transplantation	2005-2006: \$50,000 2006-2007: \$50,000
<b>O'CONNELL, Peta</b> <b>Robarts Research Institute, London</b> <i>The regulation allogenic CD4+ T cell responses to DC</i>	Transplantation	2006-2007: \$50,000 2007-2008: \$50,000
<b>OHH, Michael</b> <b>University of Toronto</b> <i>Role of Cul2 in kidney cancer</i>	Cancer	2004-2005: \$50,000 2005-2006: \$50,000 2006-2007: \$50,000
<b>ORLOV, Sergei</b> Pavel Hamet <b>Centre de recherche du CHUM - Hôtel-Dieu, Montreal</b> <i>Na<sup>+</sup>,K<sup>+</sup>-mediated and -independent signaling triggered by endogenous cardiotonic steroids: role of the Na<sup>+</sup>,K<sup>+</sup>-ATPase isoforms and extracellular K<sup>+</sup></i>	Hypertension	2006-2007: \$50,000 2007-2008: \$50,000
<b>PARENT, Jean-Luc</b> <b>Université de Sherbrooke</b> <i>Role of the interaction between the TPbeta receptor and peroxiredoxin-4 in oxidative stress</i>	Kidney Biology	2005-2006: \$50,000 2006-2007: \$50,000



## KFOC 2006-2007 Research Awards Biomedical Research Grants

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
<b>PARENT, Lucie</b> Rémy Sauvé <b>Université de Montréal</b> <i>Permeation, regulation, and assembly of the renal TRPV5 channel</i>	Water, Salt & Calcium Handling by the Kidney	2005-2006: \$50,000 2006-2007: \$50,000
<b>PEI, York</b> Sandy Der, Daniel C. Cattran <b>University of Toronto</b> <i>Disease-specific gene expression in idiopathic nephrotic syndrome</i>	Glomerulonephritis	2006-2007: \$50,000 2007-2008: \$50,000
<b>PILKEY, Rachel</b> Alexander R. Morton <b>Queen's University, Kingston</b> <i>Vascular calcification in chronic kidney disease; the role of vitamin K</i>	Renal Failure	2006-2007: \$49,914 2007-2008: \$43,998
<b>PISCIONE, Tino</b> <b>The Hospital for Sick Children, Toronto</b> <i>The role of Notch1 in kidney development</i>	Kidney Development	2004-2005: \$49,870 2005-2006: \$49,870 2006-2007: \$49,870
<b>QUAGGIN, Susan</b> <b>Samuel Lunenfeld Research Institute, Toronto</b> <i>The role of Pod1 in glomerular development</i>	Kidney Development	2006-2007: \$50,000 2007-2008: \$50,000
<b>QUARMBY, Lynne</b> <b>Simon Fraser University, Burnaby</b> <i>The role of NIMA-related kinases in the pathology of polycystic kidney diseases</i>	Kidney Biology	2005-2006: \$50,000 2006-2007: \$50,000



## KFOC 2006-2007 Research Awards Biomedical Research Grants

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
<b>REITHMEIER, Reinhart</b> <b>University of Toronto</b> <i>Trafficking of distal renal tubular acidosis mutants of the kidney anion exchanger 1 in epithelial cells</i>	Water, Salt & Calcium Handling by the Kidney	2005-2006: \$50,000 2006-2007: \$50,000
<b>ROSENBLUM, Norman</b> <b>The Hospital for Sick Children, Toronto</b> <i>Control of renal morphogenesis by beta-catenin</i>	Kidney Development	2006-2007: \$50,000 2007-2008: \$50,000
<b>TAKANO, Tomoko</b> <b>McGill University, Montreal</b> <i>Role of tyrosine phosphorylation in the function of nephrin</i>	Kidney Biology	2005-2006: \$50,000 2006-2007: \$50,000
<b>TIBBLES, Lee Anne</b> <b>University of Calgary</b> <i>Endothelial activation in ischemic injury: towards a therapy for acute renal failure</i>	Renal Failure	2006-2007: \$47,500 2007-2008: \$47,500
<b>WAGNER, Graham</b> <b>University of Western Ontario, London</b> <i>Stanniocalcin and nephron cell function</i>	Water, Salt & Calcium Handling by the Kidney	2005-2006: \$50,000 2006-2007: \$50,000
<b>WANG, Hao</b> <b>University of Western Ontario, London</b> <i>Prevention of antibody mediated rejection by anti-C5 monoclonal antibody-based therapy through accommodation in a presensitized kidney allotransplantation model</i>	Transplantation	2005-2006: \$49,830 2006-2007: \$49,900



## KFOC 2006-2007 Research Awards Biomedical Research Grants

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
<b>WEST, Kenneth</b> <b>Dalhousie University, Halifax</b> <i>Dendritic cell Vav1 in allograft rejection</i>	Transplantation	2005-2006: \$50,000 2006-2007: \$50,000
<b>WHITESIDE, Catharine</b> James W. Scholey <b>University of Toronto</b> <i>Protein kinase C beta inhibition in non-diabetic kidney disease</i>	Glomerulonephritis	2006-2007: \$48,500 2007-2008: \$48,500
<b>WU, Jiangping</b> <b>Centre de recherche du CHUM - Hôpital Notre-Dame, Montreal</b> <i>Cytosolic ran as a novel target molecule in controlling kidney graft rejection</i>	Transplantation	2006-2007: \$50,000 2007-2008: \$50,000
<b>ZHANG, Shao-Ling</b> <b>Centre de recherche du CHUM - Hôtel-Dieu, Montreal</b> <i>Intrarenal renin-angiotensin system (RAS) and pax-2 gene expression in nephrogenesis and perinatal programming</i>	Kidney Development	2005-2006: \$50,000 2006-2007: \$50,000 2007-2008: \$50,000





## KFOC 2006-2007 Research Awards Biomedical Scholarships

---

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
<b>KLARENBACH, Scott</b> <b>University of Alberta, Edmonton</b> <i>Health care resource use in chronic kidney disease: the role of multidisciplinary care</i>	Renal Failure	2006-2007: \$45,000 2007-2008: \$45,000
<b>YEATES, Karen</b> <b>Queen's University, Kingston</b> <i>A research program to study access to kidney transplantation for Aboriginal Canadians</i>	Transplantation	2006-2007: \$45,000 2007-2008: \$45,000

---





## KFOC 2006-2007 Research Awards Biomedical Fellowships

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
<b>BRIDGEWATER, Darren</b> Supervisor: Norman D. Rosenblum <b>The Hospital for Sick Children, Toronto</b> <i>The role of beta-catenin in the normal and dysplastic kidney</i>	Kidney Development	2005-2006: \$35,000 2006-2007: \$35,000  <b>TD BANK FINANCIAL GROUP/ KIDNEY FOUNDATION OF CANADA FELLOWSHIP</b>
<b>CANAFF, Lucie</b> Supervisor: Geoffrey N. Hendy <b>McGill University, Montreal</b> <i>Extracellular calcium-sensing receptor: studies of gene expression and regulation in vivo</i>	Water, Salt and Calcium Handling by the Kidney	2005-2006: \$35,000 2006-2007: \$35,000  <b>AMGEN FELLOWSHIP</b>
<b>CHAN, Kevin</b> Supervisors: Mark Hlatky, Richard A. Lafayette <b>Stanford University, Stanford, CA</b> <i>Reducing cardiovascular risk: a dialysis center based performance improvement program</i>	Dialysis	2005-2006: \$45,000 2006-2007: \$45,000  <b>ORTHO BIOTECH FELLOWSHIP</b>
<b>CHIDAMBARAM, Mala</b> Supervisors: Joanne M. Bargman, Andreas Laupacis <b>Institute for Clinical Evaluative Sciences, Toronto</b> <i>The development and evaluation of a clinical decision aid to help guide dialysis modality selection for patients with advanced chronic kidney disease</i>	Dialysis	2005-2006: \$45,000 2006-2007: \$45,000  <b>BAXTER CORPORATION/ KIDNEY FOUNDATION OF CANADA FELLOWSHIP</b>
<b>IGLESIAS, Diana</b> Supervisor: Paul R. Goodyer <b>Montreal Children's Hospital</b> <i>Pax2 in polycystic kidney disease</i>	Kidney Biology	2004-2005: \$35,000 2005-2006: \$35,000 2006-2007: \$35,000  <b>CSN / KIDNEY FOUNDATION OF CANADA FELLOWSHIP</b>



## KFOC 2006-2007 Research Awards Biomedical Fellowships

---

### RECIPIENT

### CATEGORY

### AMOUNT FUNDED

---

**YANG, Robert**  
Supervisors: Amit Garg, Gordon H. Guyatt  
**London Health Sciences Centre**  
*Medical insurability of living kidney donors*

Organ Donation

2006-2007: \$45,000  
2007-2008: \$45,000

**CSN / KIDNEY FOUNDATION  
OF CANADA FELLOWSHIP**

---





## KFOC 2006-2007 Research Awards Allied Health Research Grants

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
<b>DARLING, Pauline</b> Marc B. Goldstein, James D. House, Philip A. McFarlane, Inez Martincevic, Paul B. Pencharz <b>St. Michael's Hospital, Toronto</b> <i>Plasma homocysteine concentrations, intradialytic homocysteine losses and nutritional status of hemodialysis patients undergoing nocturnal vs standard hemodialysis</i>	Dialysis	2006-2007: \$28,350
<b>HUTCHINSON, Tom</b> Paul Eugene Barré, Johana Eid, Dawn S. Allen, Antonia L. Anaert, Steve Jordan, Murray L. Vasilevsky, Mark L. Lipman <b>McGill University, Montreal</b> <i>Living with end-stage renal disease (ESRD): multiple perspectives on patients' suffering and healing</i>	Quality of Life	2006-2007: \$46,532 2007-2008: \$39,420
<b>NICHOLAS, David</b> Michelle McClure, Kelly J. McCormick, Andrew P. Mantulak, Gail L. Picone, Annette Vigneux <b>The Hospital for Sick Children, Toronto</b> <i>Evaluation of an online peer network for adolescents with end stage renal disease</i>	Quality of Life	2005-2006: \$49,973 2006-2007: \$49,980



## KFOC 2006-2007 Research Awards Allied Health Doctoral Fellowships

---

### RECIPIENT

### CATEGORY

### AMOUNT FUNDED

---

**RAVENSCROFT, Eleanor**  
Supervisor: Sally E. Thorne

Quality of Life

2006-2007: \$29,000

**University of British Columbia, Vancouver**  
*Navigation in chronic kidney disease: A patient, family,  
and health care practitioner perspective - Implications  
for health care systems redesign*

---

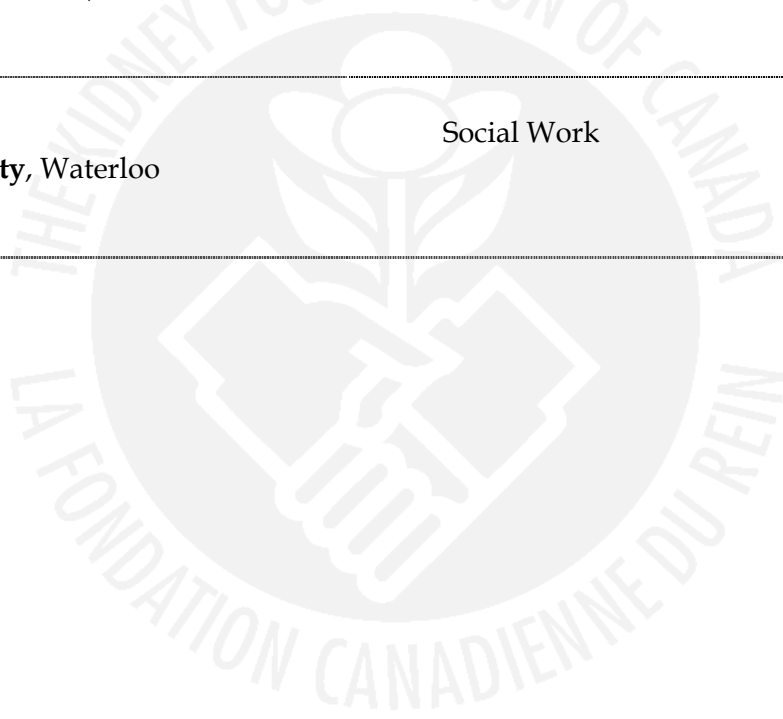




## KFOC 2006-2007 Research Awards Allied Health Scholarships

---

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
<b>COSTANTINI, Lucia</b> Supervisor: Heather Beanlands <b>Ryerson University, Toronto</b> <i>AHS Nursing</i>	Nursing	2006-2007: \$5,000
<b>KRUTHAUP, Alexandra</b> Supervisor: Carol Jillings <b>University of British Columbia, Vancouver</b> <i>AHS Nursing</i>	Nursing	2006-2007: \$5,000
<b>MANTULAK, Andrew</b> <b>Wilfrid Laurier University, Waterloo</b> <i>AHS Social Worker</i>	Social Work	2006-2007: \$5,000





## KFOC 2006-2007 Research Awards New Emerging Teams Program (NET)

---

The Kidney Foundation of Canada is proud to join with the Canadian Diabetes Association, the Heart and Stroke Foundation of Canada and the Canadian Institutes of Health Research (CIHR) Institutes of Nutrition, Metabolism and Diabetes, Circulatory & Respiratory Health, and Gender & Health in funding:

### RECIPIENT

### PROJECT

---

**CURRIE, Gillian**  
**University of Calgary**

*Cardiovascular Outcomes Related to Economics (CORE) group*

---

**JOHNSON, Jeffrey A.**  
**Institute of Health Economics, Edmonton**

*Establishment of the Alliance for Canadian Health Outcomes Research in Diabetes (ACHORD) group*

---

**LEBEL, Marcel**  
**Université Laval, Quebec City**

*Cardiovascular health in chronic renal failure*

---

**PARFREY, Patrick S.**  
**Memorial University of Newfoundland, St. John's**

*Canadian collaborative group for the prevention of illness in kidney disease. The Canadian Prevention of Renal and Cardiovascular Endpoints Trial (CANPREVENT)*

---

**ROCHON, Paula A.**  
**Institute for Clinical Evaluative Sciences, Toronto**

*Pharmacological management of chronic disease in older adults*

---

**SCHOLEY, James W.**  
**University of Toronto**

*Gender / genes and glomerular-based diseases research group*

---



## KFOC 2006-2007 Research Awards Kidney Transplantation Fellowships

---

This award is funded by the Canadian Institutes of Health Research (CIHR) Institute of Infection & Immunity, Canadian Society of Transplantation, The Kidney Foundation of Canada.

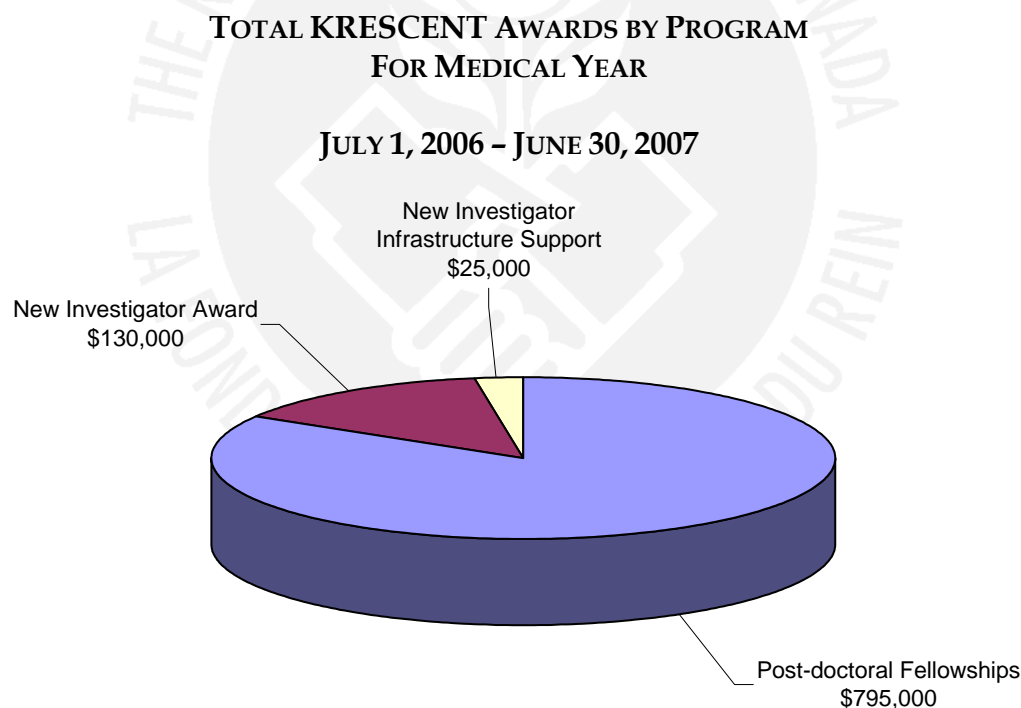
<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
<b>FORTIN, Marie-Chantal</b> Supervisor: Hubert Doucet <b>Université de Montréal</b> <i>Comparative survey of attitudes regarding altruistic donor in renal transplantation programs in two different cultural contexts and elaboration of guidelines</i>	Transplantation	2005-2006: \$75,000 2006-2007: \$75,000
<b>KIM, Sang Joseph</b> Supervisor: Neil Powe <b>Johns Hopkins Bloomberg School of Public Health, Baltimore, MD</b> <i>Optimizing outcomes in expanded criteria donor kidney transplantation</i>	Transplantation	2004-2005: \$75,000 2005-2006: \$75,000 2006-2007: \$75,000

**DR. LEEN PAUL KIDNEY  
TRANSPLANTATION  
FELLOWSHIP**



***Kidney Research Scientist Core Education and National Training (KRESCENT) Program***

- The KRESCENT program is focused on the recruitment and training of world-class kidney scientists who will subsequently assume leadership roles in kidney research in Canada.
- The KRESCENT program’s uniqueness is characterized by: a) it recruits trainees from multiple disciplines, for involvement in a national curriculum, b) it supports career development at the (post-) doctoral level and in the period following the Candidate's first Faculty appointment, with ongoing mentorship support, and c) it fosters the development of collaborative research and knowledge translation across research themes.
- The KRESCENT program was created through a special collaboration of the Canadian Society of Nephrology and The Kidney Foundation of Canada in special collaboration with the CIHR Institute of Nutrition, Metabolism and Diabetes and the CIHR Institute of Circulatory and Respiratory Health.



- The KRESCENT program is a testimony to the leadership of many individuals, organizations and companies committed to reducing the burden of kidney disease throughout Canada. Donations from the Branches of The Kidney Foundation of Canada, a special contribution from the membership of the Canadian Society of Nephrology and funding from the CIHR-INMD and CIHR-ICRH have been complemented by the generous support of AMGEN, Baxter Corporation, Hoffmann-La Roche, Maple Leaf Foods, Merck Frosst Canada Ltd., Ortho Biotech, Shire BioChem Inc., professional associations and private donors. This joint effort represents a major and timely investment in the future of kidney research in Canada.

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
<b>BÉLAND, Mélanie</b> Supervisor: Maxime Bouchard <b>McGill University, Montreal</b> <i>Establishing the contribution of Pax2 to kidney tumorigenesis</i>	Cancer	2006-2007: \$55,000 2007-2008: \$55,000 2008-2009: \$55,000
<b>BREZNICEANU, Marie-Luise</b> Supervisor: John S. D. Chan <b>Centre de recherche du CHUM - Hôtel-Dieu, Montreal</b> <i>Role(s) of reactive oxygen species (ROS) in diabetic nephropathy</i>	Diabetes	2006-2007: \$55,000 2007-2008: \$55,000
<b>CHERNEY, David</b> Supervisor: Judith Anne Miller <b>Toronto General Hospital</b> <i>The effect of protein kinase C inhibition on renal function in patients with type 1 diabetes mellitus: a randomized placebo-controlled trial</i>	Diabetes	2005-2006: \$65,000 2006-2007: \$65,000 2007-2008: \$65,000 <b>ORTHO BIOTECH - KRESCENT JOINT FELLOWSHIP</b>
<b>FAIRHEAD, Todd</b> Supervisor: Joaquin Madrenas <b>Robarts Research Institute, London</b> <i>The role of RIP2 in innate and adaptive immune responses</i>	Dialysis	2005-2006: \$65,000 2006-2007: \$65,000 2007-2008: \$65,000 <b>AMGEN - KRESCENT JOINT FELLOWSHIP</b>
<b>FAOUR, Wissam</b> Supervisor: Christopher R.J. Kennedy <b>Ottawa Health Research Institute</b> <i>Identification of the role of the prostaglandin EP4 receptor subtype in the molecular physiology of the kidney and its implication in proteinuria</i>	Glomerulonephritis	2005-2006: \$55,000 2006-2007: \$55,000 2007-2008: \$55,000 <b>MERCK FROSST - KRESCENT JOINT FELLOWSHIP</b>

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
<p><b>GILL, Jagbir</b> Supervisors: Michael J. Cecka, Gabriel Danovitch, John S. Gill <b>University of California, Los Angeles, CA</b> <i>The impact of older kidneys on living renal transplantation outcomes</i></p>	Transplantation	2006-2007: \$65,000 2007-2008: \$65,000
<p><b>GUNARATNAM, Lakshman</b> Supervisor: Joseph V. Bonventre <b>Brigham and Women's Hospital, Boston, MA</b> <i>The role of T Cell Ig- and mucin-domain-containing molecule-1 (TIM-1) in peripheral tolerance and renal transplant rejection</i></p>	Transplantation	2005-2006: \$65,000 2006-2007: \$65,000 2007-2008: \$65,000
<p><b>HARTWIG, Sunny</b> Supervisor: Jordan Kreidberg <b>Children's Hospital Boston, Boston, MA</b> <i>The role of Wilms' Tumour Suppressor-1 (WT-1) in the control of renal development</i></p>	Kidney Development	2006-2007: \$55,000 2007-2008: \$55,000 2008-2009: \$55,000
<p><b>HO, Jacqueline</b> Supervisor: Jordan Kreidberg <b>Children's Hospital Boston, Boston, MA</b> <i>Role of WT1 in the regulation of growth factors in glomerular development and disease</i></p>	Kidney Development	2005-2006: \$65,000 2006-2007: \$65,000
<p><b>REICH, Heather</b> Supervisors: Daniel C. Cattran, James W. Scholey <b>University of Toronto</b> <i>Correlation of gene expression, proteinuria, and clinical outcome in IgA nephropathy</i></p>	Glomerulonephritis	2006-2007: \$65,000 2007-2008: \$65,000 2008-2009: \$65,000

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
------------------	-----------------	----------------------

<b>WALSH, Michael</b> Supervisors: David Jayne, Braden Manns <b>Addenbrooke's Hospital, Cambridge, UK</b> <i>A randomized study on the effects of long-term, low-dose corticosteroids compared to placebo on flare rates during maintenance therapy for proliferative lupus nephritis</i>	Glomerulonephritis	2006-2007: \$65,000 2007-2008: \$65,000 2008-2009: \$65,000
--	--------------------	---

<b>WU, Dongcheng</b> Supervisor: Joan C. Krepinsky <b>McMaster University, Hamilton</b> <i>Caveolae in messangial cell signaling in response to mechanical stress</i>	Chronic Kidney Disease	2006-2007: \$55,000 2007-2008: \$55,000
--	------------------------	--

<b>ZAPPITELLI, Michele</b> Supervisor: Stuart L. Goldstein <b>Texas Children's Hospital, Houston, TX</b> <i>Differences in energy expenditure, nitrogen balance, and amino acid losses in critically ill children with acute renal failure receiving different modes of renal replacement therapy</i>	Renal Failure	2005-2006: \$65,000 2006-2007: \$65,000
--	---------------	--

**SHIRE BIOCHEM - KRESCENT  
JOINT FELLOWSHIP**

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
------------------	-----------------	----------------------

<b>FOSTER, Bethany</b> <b>Montreal Children's Hospital</b> <i>The evolution of cardiovascular pathology in children and young adults receiving kidney transplants</i>	Transplantation	2006-2007: \$70,000 2007-2008: \$70,000 2008-2009: \$70,000
---	-----------------	---

<b>ZHANG, Shao-Ling</b> <b>Centre de recherche du CHUM - Hôtel-Dieu, Montreal</b> <i>Intrarenal renin-angiotensin system (RAS) and Pax-2 gene expression in nephrogenesis and perinatal programming</i>	Kidney Development	2005-2006: \$60,000 2006-2007: \$60,000 2007-2008: \$60,000
---	--------------------	---

**Infrastructure Support**

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
------------------	-----------------	----------------------

<b>FOSTER, Bethany</b> <b>Montreal Children's Hospital</b> <i>The evolution of cardiovascular pathology in children and young adults receiving kidney transplants</i>	Transplantation	2006-2007: \$25,000
---	-----------------	---------------------

*On behalf of those affected by kidney disease,  
The Kidney Foundation of Canada gratefully acknowledges:*

- the thousands of volunteers and donors throughout Canada who give generously to enable the Foundation to fund promising research. A special appreciation is extended to those who have chosen to provide lasting support to kidney research in Canada through their endowment fund;
- the Canadian Society of Nephrology (CSN) for its enormous strides in quality patient care and its ongoing collaboration with the Foundation toward innovative kidney research and the development of excellent researchers;
- the Canadian Diabetes Association, the Heart and Stroke Foundation of Canada, the Canadian Society of Transplantation and the CIHR Institutes of Nutrition, Metabolism and Diabetes, Circulatory and Respiratory Health, Gender and Health and Infection and Immunity who jointly fund special strategic research initiatives;
- national corporations including Ortho Biotech, AMGEN, Baxter Corporation and the TD Bank Financial Group for their special support of young investigators through the funding of fellowships within the Foundation's Research Program; and
- the professional societies and associations dedicated to kidney health, institutes of the CIHR, corporations and individuals whose generous support has enabled the creation and launch of the KRESCENT program (see page 21).

For more information about our Research Award Recipients, the Foundation's Research Program or for a list of branches, contact:

The Kidney Foundation of Canada  
National Office  
300-5165 Sherbrooke St. West  
Montreal, QC H4A 1T6  
1-800-361-7494 Ext. 225 or (514) 369-4806  
[research@kidney.ca](mailto:research@kidney.ca)  
[www.kidney.ca](http://www.kidney.ca)

*If you or someone you know is interested in helping people living with kidney disease by supporting the Foundation's Research Program, contact your local branch of The Kidney Foundation of Canada.*