

Supporting Research Excellence

Research Award Recipients

July 1, 2009 – June 30, 2010





National Office | Bureau national

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June 2009

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 is the largest non government funding source in Canada for kidney research and by the end of 2009, the Foundation's total commitment to research will have exceeded \$86 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 2009-2010, 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 2009 granting competition, the Foundation has awarded grants, totaling approximately \$3.0 million, to fund the 61 projects on the attached listing for the next medical year from July 1, 2009 to June 30, 2010. 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 two of the Canadian Institutes of Health Research (CIHR), the Canadian Society of Nephrology and the national corporations.

It is with great pride and excitement that we announce the awardees of the fifth 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 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 (nine post doctoral fellowships and six new investigator awards) and an additional \$890,000 of investment for the medical year July 1, 2009 to June 30, 2010.

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!



Brendan Barrett
Co-Chair, Research Council



Cyril Muise
Co-Chair, Research Council

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KFOC 2009-2010 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 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 university or research institution in Canada.

Allied Health Scientific Awards

- **Allied Health Research Grants** provide financial support to researchers to assist in defraying the operating costs of research relevant to clinical practice. Preference will be given to applications submitted by allied health professionals (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 in pursuing their education at the Masters level.

The Kidney Foundation of Canada and Pfizer Canada

- The Kidney Foundation of Canada/Pfizer Canada - Cardio – Renal Research Award provides financial support to researchers to assist in defraying the operating costs of research relevant to cardiovascular complications of kidney disease.

The Kidney Foundation of Canada and Genzyme Canada

- Vascular Calcification and Mineral Metabolism in Chronic Kidney Disease Post-Doctoral Fellowship is funded by The Kidney Foundation of Canada and Genzyme Canada.
- The Vascular Calcification and Mineral Metabolism in Chronic Kidney Disease Post-Doctoral Fellowship provides for full-time postdoctoral training. The Fellowship recipient may train in Canada or at a research centre abroad.

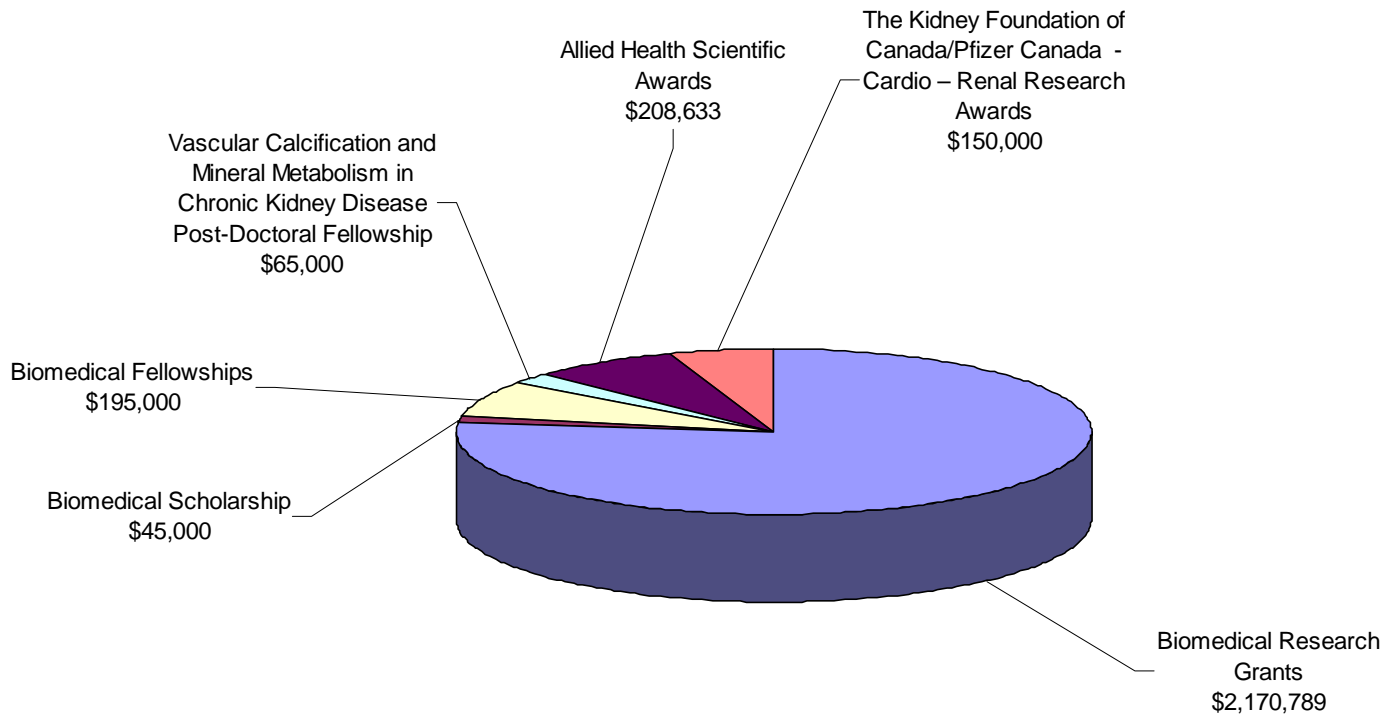


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KFOC 2009-2010 Research Funding By Program

TOTAL GRANTS AWARDED BY PROGRAM FOR MEDICAL YEAR

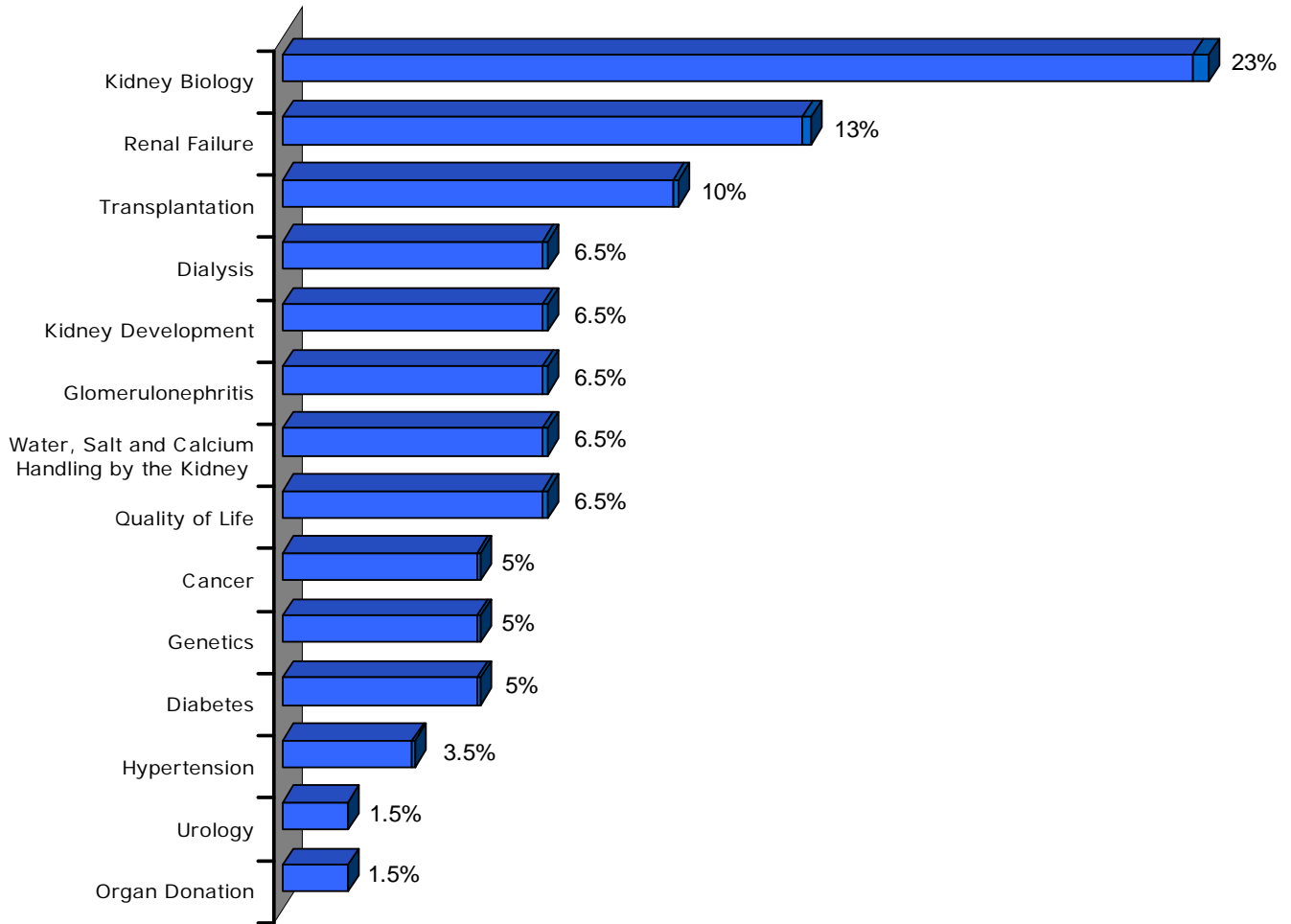
JULY 1, 2009 – JUNE 30, 2010





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KFOC 2009-2010 Grant Distribution By Areas of Focus





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KFOC 2009-2010 Research Awards Biomedical Research Grants

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
ALEXANDER, Todd University of Alberta, Edmonton <i>The molecular determinants of proximal tubular calcium absorption</i>	Water, Salt and Calcium Handling by the Kidney	2009 - 2010: \$50,000 2010 - 2011: \$50,000
BÄGLI, Darius Rosalyn M. Adam, Magdy M. Hassouna The Hospital for Sick Children, Toronto <i>Identification of novel treatment strategies for obstructive bladder disease</i>	Urology	2008 - 2009: \$50,000 2009 - 2010: \$50,000
BEAR, Christine The Hospital for Sick Children, Toronto <i>The role of C1C-5 interactions in protein reabsorption by the proximal tubule</i>	Kidney Biology	2008 - 2009: \$50,000 2009 - 2010: \$50,000
BOUVIER, Michel Université de Montréal <i>V2 vasopressin receptor function and regulation in health and kidney diseases</i>	Kidney Biology	2009 - 2010: \$50,000 2010 - 2011: \$50,000
BURNS, Kevin University of Ottawa <i>The role of angiotensin-(1-7) and its receptor Mas in chronic kidney disease</i>	Kidney Biology	2008 - 2009: \$50,000 2009 - 2010: \$50,000
CAILHIER, Jean-François Research Centre CHUM - Hôpital Notre-Dame, Montreal <i>Role of apocrine factors released from apoptotic cells on monocyte/macrophage differentiation, phenotype and functions</i>	Transplantation	2008 - 2009: \$50,000 2009 - 2010: \$50,000
CHAN, John Janos G. Filep Research Centre CHUM - Hôtel-Dieu, Montreal <i>Molecular mechanism(s) of intrarenal renin-angiotensin system (RAS) action on tubular apoptosis in diabetic kidneys</i>	Diabetes	2008 - 2009: \$50,000 2009 - 2010: \$50,000



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KFOC 2009-2010 Research Awards Biomedical Research Grants

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
CHEN, Xing-Zhen University of Alberta , Edmonton <i>Regulation of cell proliferation by polycystin-1 through an eIF2a pathway</i>	Genetics	2009 - 2010: \$50,000 2010 - 2011: \$50,000
CHRAIBI, Ahmed Université de Sherbrooke <i>Implication du canal sodique épithélial dans la formation d'oedèmes rénaux causés par les thiazolidinediones : régulation et mécanismes d'action</i>	Kidney Biology	2009 - 2010: \$50,000 2010 - 2011: \$50,000
CORDAT, Emmanuelle University of Alberta , Edmonton <i>Distal renal tubular acidosis and intracellular trafficking of the kidney anion exchanger 1</i>	Water, Salt and Calcium Handling by the Kidney	2009 - 2010: \$50,000 2010 - 2011: \$50,000
CYBULSKY, Andrey McGill University , Montreal <i>Mechanisms of glomerular epithelial cell injury</i>	Glomerulonephritis	2009 - 2010: \$50,000 2010 - 2011: \$50,000
DU, Caigan Huifang Chen, Christopher YC Ngan University of British Columbia , Vancouver <i>Regulation of renal allograft-associated regulatory T cell (Treg) subsets by interleukin-6</i>	Transplantation	2008 - 2009: \$50,000 2009 - 2010: \$50,000
FAIRHEAD, Todd Ottawa Health Research Institute <i>The role of RIP2 in experimental crescentic glomerulonephritis</i>	Glomerulonephritis	2009 - 2010: \$50,000 2010 - 2011: \$50,000 2011 - 2012: \$50,000
GOMMERMAN, Jennifer University of Toronto <i>Evaluating the relationship between gut immune cell homeostasis and pathogenic immune complex deposition in the kidney over-expressing BAFF</i>	Glomerulonephritis	2008 - 2009: \$50,000 2009 - 2010: \$50,000



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KFOC 2009-2010 Research Awards Biomedical Research Grants

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
HÉBERT, Richard University of Ottawa <i>The role of PPARgamma in the diabetic collecting duct</i>	Diabetes	2009 - 2010: \$50,000 2010 - 2011: \$50,000
HOLDEN, Rachel Michael A. Adams Queen's University , Kingston <i>Role of vitamin K in a chronic kidney disease model of vascular calcification</i>	Renal Failure	2009 - 2010: \$50,000 2010 - 2011: \$50,000
ISENRING, Paul Université Laval , Quebec City <i>Molecular characterization of renal K-C1 cotransporters</i>	Water, Salt and Calcium Handling by the Kidney	2008 - 2009: \$50,000 2009 - 2010: \$50,000
JASSAL, Sarbjit Vanita Gary Naglie, Shabbir Alibhai, Diane Watson University Health Network , Toronto <i>A prospective study of functional change over time in elderly patients starting dialysis</i>	Dialysis	2008 - 2009: \$50,000 2009 - 2010: \$50,000
JONES, Nina University of Guelph <i>The role of nephrin/Nck signaling in podocyte morphology</i>	Kidney Biology	2007 - 2008: \$50,000 2008 - 2009: \$50,000 2009 - 2010: \$50,000
KAPUS, Andras St. Michael's Hospital , Toronto <i>Epithelial-myofibroblast transition: an unexpected role for Smad3</i>	Kidney Biology	2009 - 2010: \$47,500 2010 - 2011: \$50,000
KREPINSKY, Joan McMaster University , Hamilton <i>Caveolae in mesangial cell signaling in response to mechanical stress</i>	Hypertension	2007 - 2008: \$50,000 2008 - 2009: \$50,000 2009 - 2010: \$50,000



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KFOC 2009-2010 Research Awards Biomedical Research Grants

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
LAPOINTE , Jean-Yves Université de Montréal <i>Renal myo-inositol transport and metabolism</i>	Kidney Biology	2008 - 2009: \$50,000 2009 - 2010: \$50,000
LEMAY , Serge McGill University Health Centre , Montreal <i>Role and regulation of EphA2 in renal tubular epithelial cells</i>	Renal Failure	2009 - 2010: \$50,000 2010 - 2011: \$50,000
LOK , Charmaine George Tomlinson, Angela M. Cheung, Gillian Hawker, Sophie Jamal University Health Network , Toronto <i>FRACTURE: Fracture risk assessment in chronic kidney disease: prospective testing under real world environments</i>	Renal Failure	2008 - 2009: \$49,940 2009 - 2010: \$49,940
LOUTZENHISER , Rodger Kosuke Takeya University of Calgary <i>Mechanisms underlying alterations in the reactivity of the afferent arteriole in the remnant kidney</i>	Renal Failure	2008 - 2009: \$50,000 2009 - 2010: \$50,000
LUKE , Patrick Gediminas Cepinskas The University of Western Ontario , London <i>Allograft protection using perfusate enhancement with carbon monoxide releasing molecules</i>	Transplantation	2008 - 2009: \$50,000 2009 - 2010: \$50,000
MACRAE , Jennifer University of Calgary <i>A randomized trial to compare buttonhole needling to standard needling in chronic hemodialysis patients</i>	Dialysis	2008 - 2009: \$49,050 2009 - 2010: \$49,290
MCNEILL , Helen Samuel Lunenfeld Research Institute , Toronto <i>Role of Fat4 in polycystic kidney disease</i>	Kidney Biology	2009 - 2010: \$50,000 2010 - 2011: \$50,000



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KFOC 2009-2010 Research Awards Biomedical Research Grants

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
OHH, Michael University of Toronto <i>Role of HIF in kidney cancer</i>	Cancer	2009 - 2010: \$50,000 2010 - 2011: \$50,000
PARENT, Jean-Luc Université de Sherbrooke <i>Regulation of the thromboxane A2 receptor by an interaction with WDR36</i>	Kidney Biology	2009 - 2010: \$50,000 2010 - 2011: \$50,000
PARENT, Lucie Université de Montréal <i>Structure, fonction, and biogenesis of the renal calcium channel TRPV5</i>	Water, Salt and Calcium Handling by the Kidney	2008 - 2009: \$50,000 2009 - 2010: \$50,000
PAUSE, Arnim McGill University, Montreal <i>Functional characterisation of BHD, a novel tumour suppressor gene involved in kidney cancer</i>	Cancer	2008 - 2009: \$50,000 2009 - 2010: \$50,000
PAWSON, Tony Rizaldy P. Scott Samuel Lunenfeld Research Institute, Toronto <i>Role of Nck adaptors in kidney and lower urinary tract development</i>	Kidney Development	2008 - 2009: \$49,909 2009 - 2010: \$49,909
PEI, York University of Toronto <i>Molecular genetics of idiopathic nephrotic syndrome</i>	Genetics	2008 - 2009: \$50,000 2009 - 2010: \$50,000
PISCIONE, Tino The Hospital for Sick Children, Toronto <i>Notch signaling and control of podocyte cell proliferation in development and disease</i>	Kidney Development	2009 - 2010: \$50,000 2010 - 2011: \$50,000



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KFOC 2009-2010 Research Awards Biomedical Research Grants

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
QUAGGIN , Susan Samuel Lunenfeld Research Institute , Toronto <i>The role of mTor in podocyte development and disease</i>	Kidney Development	2008 - 2009: \$50,000 2009 - 2010: \$50,000
ROSENBLUM , Norman The Hospital for Sick Children , Toronto <i>Role of the primary cilium in nephrogenesis</i>	Kidney Development	2008 - 2009: \$50,000 2009 - 2010: \$50,000
SCHOLEY , James Heather N. Reich University of Toronto <i>RhoA and the kidney response to proteinuria</i>	Renal Failure	2009 - 2010: \$50,000 2010 - 2011: \$50,000
SURI , Rita Raman Rai, John F. Johnson, Nabil M. Sultan, Brian G. Feagan, Robert M. Lindsay, Allan Donner, Andrew House London Health Sciences Centre <i>Effect of lowering the dialysate sodium on ambulatory blood pressure in hemodialysis patients: a blinded randomized controlled trial</i>	Dialysis	2009 - 2010: \$12,500
SZASZI , Katalin St. Michael's Hospital , Toronto <i>Crosstalk between the EGF and TNF receptors in kidney tubular cells</i>	Kidney Biology	2009 - 2010: \$50,000 2010 - 2011: \$50,000
TAKANO , Tomoko McGill University , Montreal <i>Role of protein tyrosine phosphatase 1B in podocyte function</i>	Kidney Biology	2009 - 2010: \$12,500
THORNER , Paul The Hospital for Sick Children , Toronto <i>Role of the podocyte protein nestin in glomerular development and function</i>	Kidney Biology	2009 - 2010: \$49,500 2010 - 2011: \$49,500



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KFOC 2009-2010 Research Awards Biomedical Research Grants

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
VAN BREEMEN , Cornelis Adeera Levin, Paul Keown, Mhairi K. Sigrist, Ada W. Chung, William A. Gourlay St. Paul's Hospital , Vancouver <i>Cellular mechanisms of vascular dysfunction in human patients with chronic kidney disease</i>	Transplantation	2008 - 2009: \$49,650 2009 - 2010: \$49,650
WANG , Hao The University of Western Ontario , London <i>The role of mesenchymal stem cells in kidney allograft tolerance</i>	Transplantation	2009 - 2010: \$50,000 2010 - 2011: \$50,000
ZHANG , Zhu-Xu Anthony M. Jevnikar Lawson Health Research Institute , London <i>The role NK cell in kidney injury</i>	Renal Failure	2008 - 2009: \$50,000 2009 - 2010: \$50,000



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KFOC 2009-2010 Research Awards Biomedical Scholarship

RECIPIENT

CATEGORY

AMOUNT FUNDED

CHERNEY, David
University Health Network, Toronto
*Mechanisms of progression of renal disease in
diabetes mellitus*

Kidney Biology

2008 - 2009: \$45,000
2009 - 2010: \$45,000



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KFOC 2009-2010 Research Awards Biomedical Fellowships

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
AKIMOVA, Olga Supervisors: Sergei N. Orlov, Pavel Hamet Research Centre CHUM - Technopole Angus, Montreal <i>Search of intermediates of Na,K-ATPase-mediated (Na⁺)_i/(K⁺)_i-independent death signaling triggered by cardiotoxic steroids</i>	Hypertension	2008 - 2009: \$35,000 2009 - 2010: \$35,000
EL KARES, Reyhan Supervisor: Paul R. Goodyer Montreal Children's Hospital <i>The genetic determinants of renal hypoplasia</i>	Genetics	2008 - 2009: \$35,000 2009 - 2010: \$35,000 2010 - 2011: \$35,000
GINGRAS, Marie-Claude Supervisors: Arnim Pause, Michel Tremblay McGill University, Montreal <i>Cellular and tumour suppressor function of HD-PTP in renal carcinoma cells</i>	Cancer	2008 - 2009: \$35,000 2009 - 2010: \$35,000
KONVALINKA, Ana Supervisors: Daniel C. Cattran, James W. Scholey University of Toronto <i>Predicting outcomes in primary glomerular-based diseases</i>	Glomerulonephritis	2008 - 2009: \$45,000 2009 - 2010: \$45,000 2010 - 2011: \$45,000 CSN / KIDNEY FOUNDATION OF CANADA FELLOWSHIP
PERL, Jeffrey Supervisors: Sarbjit Vanita Jassal, John S. Gill Toronto General Hospital <i>Dialysis after graft loss: peritoneal dialysis offer a survival benefit over heodialysis</i>	Dialysis	2008 - 2009: \$45,000 2009 - 2010: \$45,000 CSN / KIDNEY FOUNDATION OF CANADA FELLOWSHIP



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KFOC 2009-2010 Research Awards **Allied Health Research Grants**

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
DETTMER, Elizabeth Margot I. Mitchell, Rita Pool, Jeffrey Schiff, Sharon Lorber, Miriam E. Kaufman, Geraldine Cullen-Dean, Norma D'Agostino The Hospital for Sick Children, Toronto <i>Development and testing of a self-management program for youth post kidney transplant: A pediatric and adult care collaboration</i>	Quality of Life	2008 - 2009: \$39,443 2009 - 2010: \$45,691
HUTCHINSON, Tom Anthony W. Paré, Robin Cohen, Mary Ellen Macdonald, Dawn S. Allen McGill University, Montreal <i>Decision-making over time in the care of people with end-stage renal disease (ESRD): communication among health professionals, patients, and families</i>	Quality of Life	2009 - 2010: \$49,942 2010 - 2011: \$49,984



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KFOC 2009-2010 Research Awards Allied Health Doctoral Fellowships

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
BARNIEH, Lianne Supervisor: Brenda Hemmelgarn University of Calgary <i>A patient-centered educational intervention to improve the choice of living kidney donation among renal transplant recipients: a randomized controlled trial</i>	Transplantation	2009 - 2010: \$29,000 KFOC SOUTHERN ALBERTA BRANCH ALLIED HEALTH DOCTORAL FELLOWSHIP
HARWOOD, Lori Supervisor: Alexander M. Clark University of Alberta, Edmonton <i>Understanding home dialysis selection</i>	Quality of Life	2009 - 2010: \$27,000 2010 - 2011: \$27,000
ROSE, Caren Supervisors: John S. Gill, Charlyn Black University of British Columbia, Vancouver <i>Establishing a better metric of deceased organ donation in Canada</i>	Organ Donation	2009 - 2010: \$27,000 2010 - 2011: \$27,000
ROY, Patrick Supervisors: François Madore, Jacques LeLorier Hôpital du Sacré-Coeur de Montréal <i>Observance aux thérapies cardiovasculaires préventives chez les patients souffrant d'insuffisance rénale sévère: impacts sur le développement des événements cardiovasculaires</i>	Renal Failure	2008 - 2009: \$25,000 2009 - 2010: \$25,000

Allied Health Scholarship

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
LAGACÉ, Anne-Marie Supervisor: Annette Leibing Université de Montréal <i>Nursing</i>	Nursing	2009 - 2010: \$5,000



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KFOC 2009-2010 Research Awards

The Kidney Foundation of Canada and Pfizer Canada-Cardio-Renal Research Awards

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
TOUYZ , Rhian M. Kevin Burns, Richard Hébert, Christopher Kennedy University of Ottawa <i>Role of Nox1 and Nox4 in diabetic nephropathy and associated cardiovascular injury</i>	Diabetes	2008 - 2009: \$75,000 2009 - 2010: \$75,000
TYBERG , John Ellen Burgess, Rodger Loutzenhiser University of Calgary <i>Renal hemodynamics: possible implications for hypertension</i>	Hypertension	2009 - 2010: \$75,000 2010 - 2011: \$75,000

This award is cofunded by The Kidney Foundation of Canada and Pfizer Canada.

Vascular Calcification and Mineral Metabolism in Chronic Kidney Disease Post-Doctoral Fellowship

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
MAC-WAY , Fabrice Supervisors: Marie-Hélène Lafage-Proust, Laurence Vico Université Jean Monnet , Paris FR <i>Effects of metabolic syndrome, oxidative stress and inflammation on bone metabolism</i>	Renal Failure	2008 - 2009: \$65,000 2009 - 2010: \$65,000

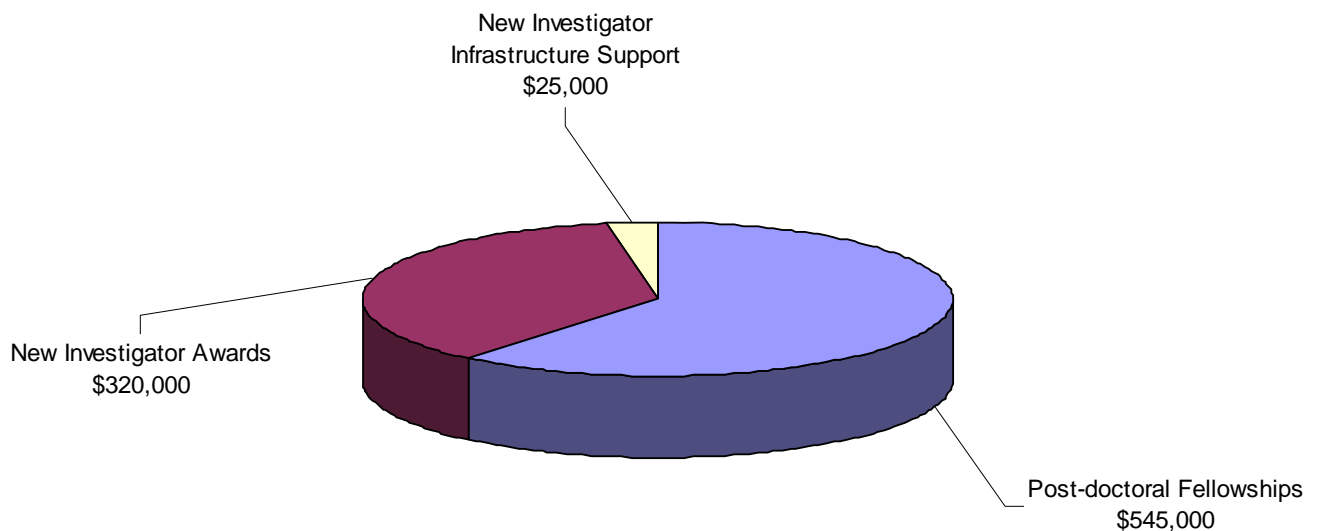
This award is cofunded by The Kidney Foundation of Canada and Genzyme Canada.

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.

**TOTAL KRESCENT AWARDS BY PROGRAM
FOR MEDICAL YEAR**

JULY 1, 2009 – JUNE 30, 2010



- 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 Limited, 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>
BURGER, Dylan Supervisor: Rhian M. Touyz University of Ottawa <i>Role of epidermal growth factor ligands in microparticle signaling during hypertension</i>	Hypertension	2009 - 2010: \$55,000 2010 - 2011: \$55,000 2011 - 2012: \$55,000
DE SERRES, Sacha Supervisor: Nader Najafian Brigham and Women's Hospital, Boston, MA <i>Assessment of regulatory CD4+CD25+ and alloreactive T Cells in the appraisal of immunosuppressive status in renal transplant recipients</i>	Transplantation	2009 - 2010: \$65,000 2010 - 2011: \$65,000 2011 - 2012: \$65,000
JAMES, Matthew Supervisors: Brenda Hemmelgarn, Bruce Culleton University of Calgary <i>Contrast nephropathy and longterm progression of kidney dysfunction: a prospective cohort study</i>	Chronic Kidney Disease	2007 - 2008: \$65,000 2008 - 2009: \$65,000 2009 - 2010: \$65,000
		SHIRE BIOCHEM – KRESCENT FELLOWSHIP
KURBAN, Ghada Supervisors: Michael A. S. Jewett, Brenda Louise Gallie University Health Network <i>Mechanisms driving progression of small renal masses to advanced renal cell carcinoma</i>	Cancer	2009 - 2010: \$55,000 2010 - 2011: \$55,000 2011 - 2012: \$55,000
LY, Joseph Supervisor: Susan E. Quaggin University of Toronto <i>Discovering genes responsible for cystic renal diseases</i>	Genetics	2007 - 2008: \$65,000 2008 - 2009: \$65,000 2009 - 2010: \$65,000
		HOFFMANN-LA ROCHE – KRESCENT JOINT FELLOWSHIP
SEDEEK, Mona Supervisors: Rhian M. Touyz, Richard L. Hébert University of Ottawa <i>Role of Nox4 in the development of diabetic nephropathy in a model of type II diabetes</i>	Diabetes	2009 - 2010: \$55,000 2010 - 2011: \$55,000 2011 - 2012: \$55,000



KRESCENT program 2009-2010 Research Awards
Post-doctoral Fellowships

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
TANGRI , Navdeep Supervisor: Andrew Levey Tufts-New England Medical Center , Boston, MA <i>Derivation and validation of a simplified predictive model for progression to end stage renal disease</i>	Chronic Kidney Disease	2008 - 2009: \$65,000 2009 - 2010: \$65,000 2010 - 2011: \$65,000
		ORTHO BIOTECH – KRESCENT JOINT FELLOWSHIP
WEI , Chih-Chang Supervisor: Joseph V. Bonventre Brigham and Women's Hospital , Boston, MA <i>The role of KIM-1 in the processes associated with dedifferentiation of renal tubular epithelial cells</i>	Kidney Biology	2007 - 2008: \$55,000 2008 - 2009: \$55,000 2009 - 2010: \$55,000
YUEN , Darren Supervisors: Richard E. Gilbert, Susan E. Quaggin St. Michael's Hospital , Toronto <i>The role of bone marrow-derived progenitor cells in endothelial repair in kidney disease</i>	Chronic Kidney Disease	2008 - 2009: \$65,000 2009 - 2010: \$65,000 2010 - 2011: \$65,000
		AMGEN – KRESCENT JOINT FELLOWSHIP

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
ALEXANDER, Todd University of Alberta , Edmonton <i>Molecular mechanisms mediating coordinated proximal tubular sodium, calcium, bicarbonate and water absorption</i>	Water, Salt and Calcium Handling by the Kidney	2009 - 2010: \$60,000 [†] 2010 - 2011: \$60,000 [†] 2011 - 2012: \$60,000 [†]
†CIHR CLINICIAN SCIENTIST PHASE 2 AWARD		
JONES, Nina University of Guelph <i>The role of nephrin/Nck signalling in podocyte morphology</i>	Kidney Biology	2008 - 2009: \$60,000 2009 - 2010: \$60,000 2010 - 2011: \$60,000
REICH, Heather University Health Network , Toronto <i>Molecular markers of kidney disease progression</i>	Glomerulonephritis	2008 - 2009: \$70,000 2009 - 2010: \$70,000 2010 - 2011: \$70,000
SZASZI, Katalin St. Michael's Hospital , Toronto <i>Regulation of intercellular junctions in kidney proximal tubule epithelium</i>	Kidney Biology	2007 - 2008: \$60,000 2008 - 2009: \$60,000 2009 - 2010: \$60,000
ZAPPITELLI, Michele McGill University , Montreal <i>Evaluation of cystatin C as a biomarker of acute kidney injury in critically ill children</i>	Acute Renal Failure	2008 - 2009: \$70,000 2009 - 2010: \$70,000 2010 - 2011: \$70,000
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KRESCENT program 2009-2010 Research Awards
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RECIPIENT

CATEGORY

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ALEXANDER, Todd
University of Alberta, Edmonton
Molecular mechanisms mediating coordinated proximal tubular sodium, calcium, bicarbonate and water absorption

Water, Salt and Calcium Handling by the Kidney

2009 - 2010: \$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;
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- national corporations including Amgen, Baxter Corporation, Genzyme Canada, Ortho Biotech and Pfizer Canada for their special support of kidney research through the funding of grants and 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 16).

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

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300-5165 Sherbrooke St. West
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