

Supporting Research Excellence

Research Award Recipients

July 1, 2011 – June 30, 2012





National Office | Bureau national

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June 2011

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 organization solely focused on kidney research in Canada and by the end of 2011, the Foundation's total commitment to research will have exceeded \$100 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 47 years 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 2011-2012, 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 2011 granting competition, the Foundation has awarded grants, totaling approximately \$2.75 million, to fund the 57 projects on the attached listing for the next research funding year from July 1, 2011 to June 30, 2012. 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 the Canadian Institutes of Health Research (CIHR), the Canadian Society of Nephrology and national corporations.

It is with great pride and excitement that we announce the awardees of the seventh 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 twenty-one training awards (eight post doctoral fellowships, three allied health doctoral awards and ten new investigator awards) and an additional \$2,525,000 of investment for the research funding year July 1, 2011 to June 30, 2012.

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 "William Clark". The signature is written in a cursive style with a large initial "W".

William Clark
Co-Chair, Research Council

A handwritten signature in purple ink that reads "Cyril Muise". The signature is written in a cursive style with a large initial "C".

Cyril Muise
Co-Chair, Research Council

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KFOC 2011-2012 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.

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

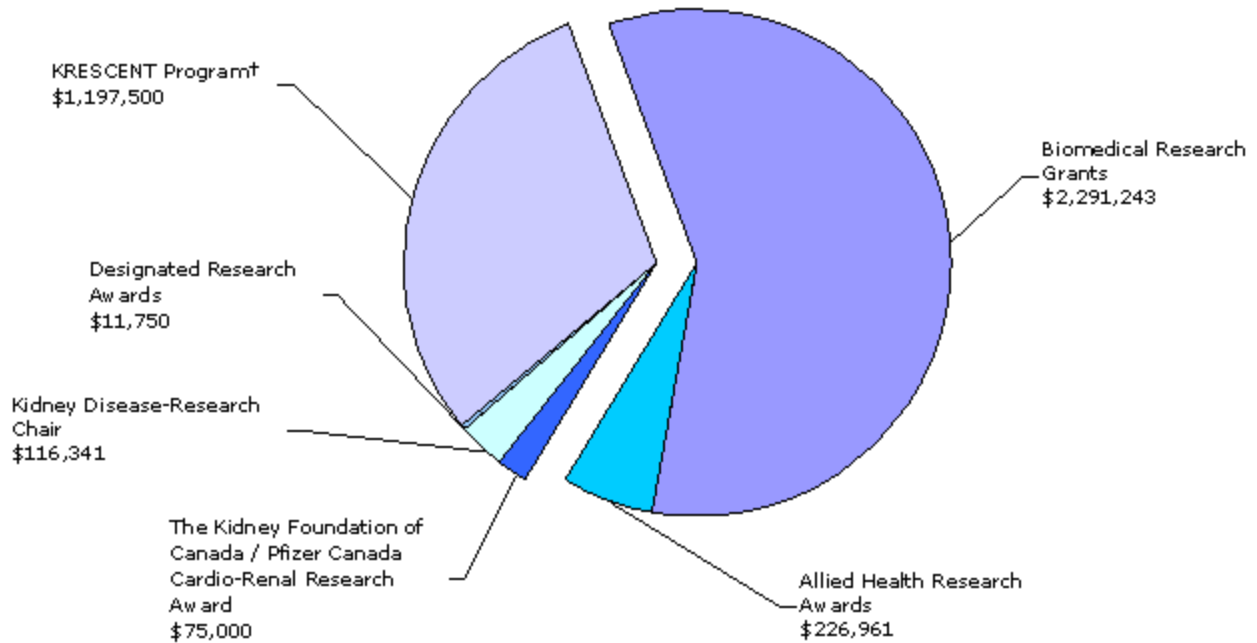
- The Kidney Foundation of Canada/Pfizer Canada – Cardio–Renal Research Award provides financial support to researchers to assist in defraying the operating costs of research relevant to cardiovascular complications of kidney disease.

TOTAL GRANTS AWARDED BY PROGRAM

JULY 1, 2011 – JUNE 30, 2012

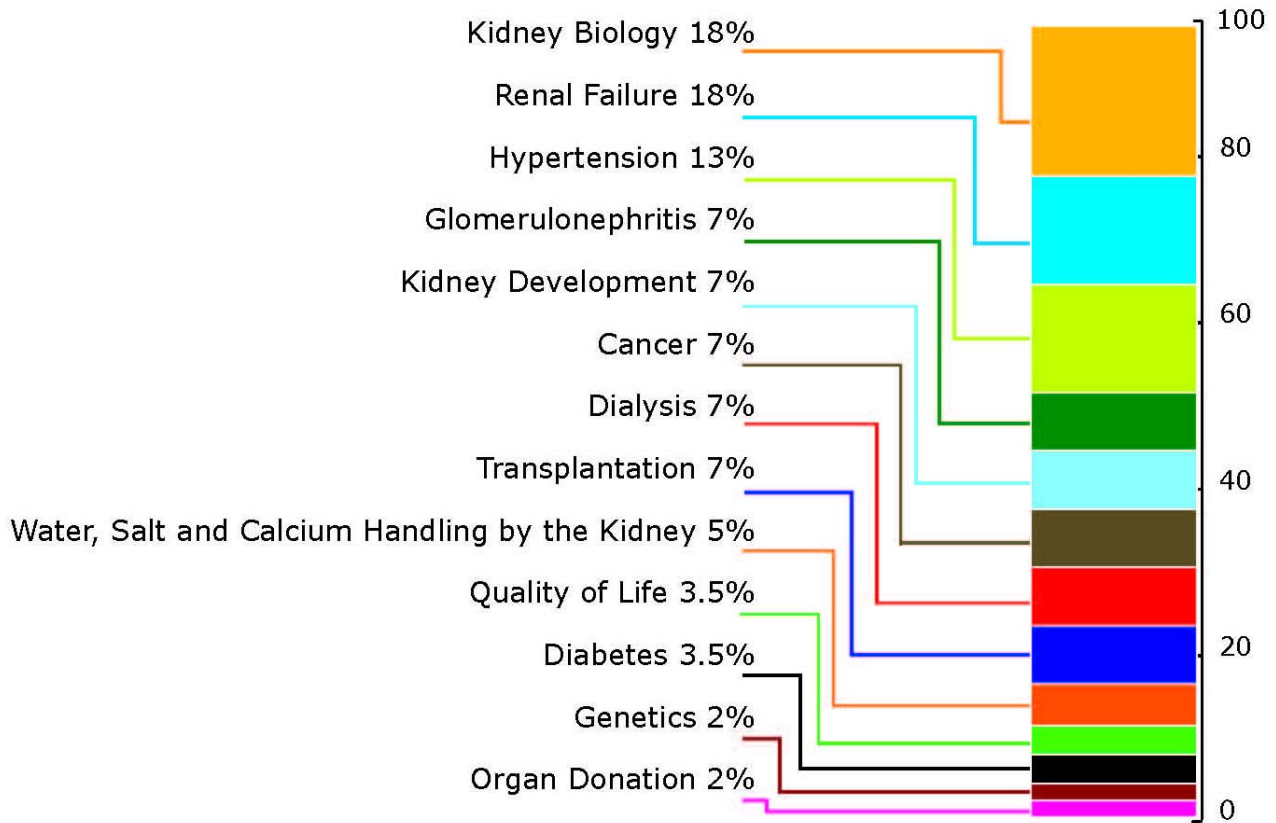
STRATEGIC RESEARCH

CORE RESEARCH



†The KRESCENT Program includes contributions from CIHR \$449,296; FRSQ \$62,037; CCHCSP \$52,500; CDA \$35,000; NSERC \$21,000; and MSFHR \$5,250.

**KFOC 2011-2012 Grant Distribution
By Areas of Focus**





**KFOC 2011-2012 Research Awards
Biomedical Research Grants**

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
AGHARAZII , Mohsen CHUQ – Hôtel-Dieu de Québec , Quebec City <i>Arterial stiffness and calcification in chronic kidney disease</i>	Hypertension	2010 - 2011: \$50,000 2011 - 2012: \$50,000
ALEXANDER , Todd University of Alberta , Edmonton <i>Molecules & mechanisms mediating proximal tubular calcium flux</i>	Water, Salt and Calcium handling by the Kidney	2011 - 2012: \$50,000 2012 - 2013: \$50,000 2013 - 2014: \$50,000
BALLERMANN , Barbara University of Alberta , Edmonton <i>Role of CLIC5A in defining the actin-based integrity of glomerular capillaries</i>	Kidney Biology	2010 - 2011: \$50,000 2011 - 2012: \$50,000
BEAR , Christine The Hospital for Sick Children , Toronto <i>Studies of the regulation of C1C-5, the gene mutated in Dent's disease</i>	Kidney Biology	2010 - 2011: \$50,000 2011 - 2012: \$50,000
BOUCHARD , Maxime McGill University , Montreal <i>Models of urogenital system developmental diseases</i>	Kidney Development	2010 - 2011: \$50,000 2011 - 2012: \$50,000
BURNS , Kevin Ottawa Hospital Research Institute <i>The role of podocyte ACE2 in non-diabetic kidney disease</i>	Kidney Biology	2010 - 2011: \$50,000 2011 - 2012: \$50,000
CLASE , Catherine Azim S. Gangji McMaster University , Hamilton <i>Bioimpedance as a predictor of cardiovascular outcomes in patients with chronic kidney disease</i>	Renal Failure	2010 - 2011: \$50,000 2011 - 2012: \$50,000



**KFOC 2011-2012 Research Awards
Biomedical Research Grants**

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
CUMMINS, Carolyn University of Toronto <i>Role of liver X receptors in diabetic nephropathy</i>	Diabetes	2010 - 2011: \$50,000 2011 - 2012: \$50,000
CYBULSKY, Andrey McGill University, Montreal <i>Mechanisms of glomerular epithelial cell injury</i>	Glomerulonephritis	2011 - 2012: \$50,000 2012 - 2013: \$50,000
FAIRHEAD, Todd Ottawa Hospital 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
GERALDES, Pedro Université de Sherbrooke <i>Role of PKC and SHP-1 in podocyte apoptosis and diabetic nephropathy</i>	Diabetes	2010 - 2011: \$50,000 2011 - 2012: \$50,000
GOMMERMAN, Jennifer University of Toronto <i>Exploring the link between IgA nephropathy and the mucosal immune system</i>	Glomerulonephritis	2010 - 2011: \$50,000 2011 - 2012: \$50,000
GUPTA, Indra Aimee Ryan Montreal Children's Hospital Research Institute <i>Claudin function in kidney development and in disease</i>	Kidney Development	2011 - 2012: \$50,000 2012 - 2013: \$50,000
HARTWIG, Sunny University of Prince Edward Island, Charlottetown <i>Defining the role of Sox4, Sox11 and Sox12 in nephron stem progenitors during kidney development</i>	Kidney Development	2010 - 2011: \$50,000 2011 - 2012: \$50,000 2012 - 2013: \$50,000



KFOC 2011-2012 Research Awards
Biomedical Research Grants

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
HÉBERT , Marie-Josée CRCHUM - Hôpital Notre Dame , Montreal <i>Anti-LG3 antibodies: novel biomarkers and effectors of vascular rejection</i>	Renal Failure	2011 - 2012: \$50,000 2012 - 2013: \$50,000
ISENRING , Paul Université Laval , Quebec City <i>Molecular characterization of renal K-Cl cotransporters</i>	Water, Salt and Calcium handling by the Kidney	2010 - 2011: \$50,000 2011 - 2012: \$50,000
JAIN , Arsh Angus Ian McLeod London Health Sciences Centre <i>The Impact of eGFR reporting on antibiotic dosing errors in chronic kidney disease patients</i>	Kidney Biology	2011 - 2012: \$50,000
JAMES , Matthew Merril L. Knudtson, William A. Ghali, Braden Manns University of Calgary <i>Coronary angiography and revascularization for patients with Stage 4 and 5 non-dialysis chronic kidney disease: a decision analysis</i>	Renal Failure	2010 - 2011: \$49,227 2011 - 2012: \$49,227
JONES , Nina University of Guelph <i>Role of nephrin/Nck signaling in kidney podocytes</i>	Kidney Biology	2011 - 2012: \$50,000 2012 - 2013: \$50,000
KAPUS , Andras St. Michael's Hospital , Toronto <i>Myogenic program in the tubular epithelium: regulation of the stability of myocardin-related transcription factor</i>	Kidney Biology	2011 - 2012: \$50,000 2012 - 2013: \$50,000



**KFOC 2011-2012 Research Awards
Biomedical Research Grants**

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
KARAPLIS , Andrew Xiuying Bai Jewish General Hospital , Montreal <i>Hormonal and molecular regulation of phosphorus homeostasis</i>	Kidney Biology	2010 - 2011: \$49,750 2011 - 2012: \$49,750
KENNEDY , Christopher Douglas Gray Ottawa Hospital Research Institute <i>α-actinin-4 associated FSGS: a role for ubiquitin C-terminal hydrolase-1 (UCH-L1)</i>	Kidney Biology	2010 - 2011: \$50,000 2011 - 2012: \$50,000
KIM , Sang Joseph Carl van Walraven, Gregory A. Knoll, Robert Quinn, Michael J. Paterson, Peter C. Austin University Health Network , Toronto <i>Access to and outcomes of kidney transplantation in Ontario: is there a socioeconomic gradient?</i>	Transplantation	2011 - 2012: \$49,838 2012 - 2013: \$50,000
KREPINSKY , Joan McMaster University , Hamilton <i>Microtubules as mediators of mechanical stretch-induced signaling in mesangial cells</i>	Hypertension	2011 - 2012: \$50,000 2012 - 2013: \$50,000
LAPOINTE , Jean-Yves Université de Montréal <i>Functional and molecular regulation of proximal tubule cotransport mechanisms</i>	Kidney Biology	2010 - 2011: \$50,000 2011 - 2012: \$50,000
LARIVIÈRE , Richard Université Laval , Quebec City <i>Role of advanced glycation end products (AGEs) in renal failure progression and hypertension</i>	Hypertension	2010 - 2011: \$50,000 2011 - 2012: \$50,000



**KFOC 2011-2012 Research Awards
Biomedical Research Grants**

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
<p>LE DEIST, Françoise Anne-Laure Lapeyraque, Isabel Fernandez Centre de recherche du CHU Sainte-Justine, Montreal <i>Nouveaux outils de pharmacodynamie dans le but d'optimiser la prescription d'immunosuppresseurs chez les enfants vivant avec un rein transplanté</i></p>	Transplantation	2010 - 2011: \$49,275 2011 - 2012: \$49,275
<p>MADRENAS, Joaquin McGill University, Montreal <i>Modulation of peritoneal dialysis (PD)-associated peritonitis by the bacterial cell wall</i></p>	Dialysis	2010 - 2011: \$50,000 2011 - 2012: \$50,000
<p>MARGETTS, Peter McMaster University, Hamilton <i>Peritoneal fibrosis and epithelial mesenchymal transition</i></p>	Dialysis	2011 - 2012: \$50,000 2012 - 2013: \$50,000
<p>OHH, Michael University of Toronto <i>Role of HIF in kidney cancer</i></p>	Cancer	2011 - 2012: \$50,000 2012 - 2013: \$50,000
<p>ORLOV, Sergei Ryszard Grygorczyk CRCHUM Technopôle Angus, Montreal <i>Cell shrinkage as a key intermediate of purinergic signaling in collecting data</i></p>	Water, Salt and Calcium Handling by the Kidney	2010 - 2011: \$50,000 2011 - 2012: \$50,000
<p>PANNU, Neesh Brenda Hemmelgarn, Scott W. Klarenbach University of Alberta, Edmonton <i>Evaluating the role of chronic kidney disease in the epidemiology of acute kidney injury</i></p>	Renal Failure	2010 - 2011: \$45,475 2011 - 2012: \$44,850



KFOC 2011-2012 Research Awards
Biomedical Research Grants

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
PAULY, Robert Paul V J Komenda, Rhonda J. Rosychuk, Christopher Ting Man Chan University of Alberta, Edmonton <i>Predicting mortality, technique survival and training failure for a Canadian multicentre home hemodialysis cohort</i>	Dialysis	2011 - 2012: \$49,208 2012 - 2013: \$50,000 2013 - 2014: \$43,808
PAUSE, Arnim McGill University, Montreal <i>Functional characterization of BHD, a novel tumour suppressor gene involved in kidney cancer</i>	Cancer	2010 - 2011: \$50,000 2011 - 2012: \$50,000
PEI, York University of Toronto <i>Molecular genetics of idiopathic nephrotic syndrome</i>	Genetics	2010 - 2011: \$50,000 2011 - 2012: \$50,000
QUAGGIN, Susan Samuel Lunenfeld Research Institute, Toronto <i>Preventing a metabolic catastrophe: understanding the role of mTor signaling in the podocyte</i>	Kidney Biology	2011 - 2012: \$50,000 2012 - 2013: \$50,000
ROSENBLUM, Norman The Hospital for Sick Children, Toronto <i>Dysregulated hedgehog signaling and the pathogenesis of nonobstructive hydronephrosis</i>	Kidney Development	2010 - 2011: \$50,000 2011 - 2012: \$50,000
SAMUEL, Susan Bethany Foster Alberta Children's Hospital, Calgary <i>Health care utilization during transition from childhood to adulthood in pediatric end-stage renal disease patients</i>	Renal Failure	2010 - 2011: \$50,000 2011 - 2012: \$50,000



**KFOC 2011-2012 Research Awards
Biomedical Research Grants**

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
<p>SCHOLEY, James Eleftherios P. Diamandis, Ana Konvalinka University of Toronto <i>Defining an angiotensin II signature in the kidney</i></p>	Renal Failure	2011 - 2012: \$50,000 2012 - 2013: \$50,000
<p>TAKANO, Tomoko McGill University, Montreal <i>Role of the calcineurin-NFAT pathway in podocytes in the pathogenesis of focal segmental glomerulosclerosis</i></p>	Glomerulonephritis	2011 - 2012: \$50,000 2012 - 2013: \$50,000
<p>TANG, Damu McMaster University, Hamilton <i>Characterization of a novel marker and a new tumour suppressor of clear cell renal cell carcinoma</i></p>	Cancer	2011 - 2012: \$50,000 2012 - 2013: \$50,000
<p>TONELLI, Marcello Kailash K. Jindal, Bharati S. Ayyalasomayajula, Aminu Bello University of Alberta <i>Relation between residence location, care quality and adverse outcomes in people with proteinuric kidney disease</i></p>	Renal Failure	2011 - 2012: \$50,000 2012 - 2013: \$50,000
<p>WANG, Hao The University of Western Ontario, London <i>Prevention of antibody-mediated rejection using soluble CD83 in presensitized kidney allograft recipients</i></p>	Transplantation	2011 - 2012: \$50,000 2012 - 2013: \$50,000



**KFOC 2011-2012 Research Awards
Biomedical Research Grants**

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
YOUSEF , George Michael A. S. Jewett, Georg Bjarnason, Andrew J. Evans St. Michael's Hospital , Toronto <i>Utilizing personalized medicine to improve patient management in aggressive kidney care: identification of prognostic and predictive markers via MicroRNA profiling</i>	Cancer	2010 - 2011: \$49,750 2011 - 2012: \$48,650 2012 - 2013: \$48,650
ZHANG , Shao-Ling CRCHUM - Hôtel-Dieu , Montreal <i>The functional role of aquaporin 1 gene expression on maternal diabetes-induced perinatal programming of hypertension</i>	Hypertension	2011 - 2012: \$50,000 2012 - 2013: \$50,000
ZHANG , Zhu-Xu Anthony M. Jevnikar Lawson Health Research Institute , London <i>The role of NK cell in kidney injury</i>	Transplantation	2010 - 2011: \$50,000 2011 - 2012: \$50,000



KFOC 2011-2012 Research Awards
Allied Health Research Grants

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
<p>AYDEDE, Sema K. Ognjenka Djurdjev, Paul V. J. Komenda, Adeera Levin University of British Columbia, Vancouver <i>Chronic kidney disease: home care utilization and expenditures</i></p>	Renal Failure	2011 - 2012: \$49,954 2012 - 2013: \$48,716
<p>NICHOLAS, David Maury N. Pinsk, Andrew P. Mantulak, Annette Vigneux, Miriam E. Kaufman, Anne G. MacNeill University of Calgary, Edmonton <i>Examining transition from child to adult care in chronic kidney disease</i></p>	Quality of Life	2010 - 2011: \$50,000 2011 - 2012: \$50,000
<p>OVEREND, Tom Rob Bartha, Timothy J. Doherty, Joseph S. Gati, Andrew A. House, Nathan Levin, Robert M. Lindsay, Anuradha Sawant The University of Western Ontario, London <i>Relationship between skeletal muscle strength and size in people with end-stage renal disease on haemodialysis</i></p>	Renal Failure	2011 - 2012: \$40,007 2012 - 2013: \$37,352



**KFOC 2011-2012 Research Awards
Allied Health Doctoral Fellowships**

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
ROMBOUGH, Rosemarie Supervisor: Cheryl E. King-VanVlack Queen's University, Kingston <i>Factors contributing to blood pressure regulation in end-stage renal disease (ESRD)</i>	Dialysis	2010 - 2011: \$29,000 2011 - 2012: \$29,000
SAWANT, Anuradha Supervisor: Tom Overend The University of Western Ontario, London <i>Relationship between muscle strength and muscle size in people on hemodialysis</i>	Renal Failure	2010 - 2011: \$29,000 2011 - 2012: \$29,000
SCHICK MAKAROFF, Kara Supervisor: Laurene E. Sheilds University of Victoria <i>Stories of end-stage renal disease: listening for the un-say(able)</i>	Quality of Life	2010 - 2011: \$29,000 2011 - 2012: \$29,000



KFOC 2011-2012 Research Awards
The Kidney Foundation of Canada and Pfizer Canada - Cardio-Renal Research Awards

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
Levin, Adeera Ognjenka Djurdjev, Karin Humphries, Mhairi K. Sigrist St. Paul's Hospital , Vancouver <i>The impact of vitamin D supplementation on vascular stiffness in Chronic Kidney Disease patients: a physiological study</i>	Hypertension	2010 - 2011: \$75,000 2011 - 2012: \$75,000

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

Kidney Disease – Research Chair

<u>RECIPIENT</u>	<u>AMOUNT FUNDED</u>
The Roy & Vi Baay Chair in Kidney Research University of Calgary	2011 - 2012: \$116,341

This award is funded through a special contribution by the Southern Alberta Branch.



KFOC 2011-2012 Research Awards Designated Research Awards

Manitoba Branch Award

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
STORSLEY, Leroy Martin Karpinsky University of Manitoba, Winnipeg <i>Developing a survey to identify barriers to living donor transplantation among First Nations</i>	Organ Donation	2011 - 2012: \$5,750 2012 - 2013: \$5,750

This award is funded through a special contribution by the Manitoba Branch Endowment Fund in honour of Dr. Ashley E. Thompson.

Post-Doctoral Fellowship Award

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
CAT, Aurelie Nguyen Dinh Supervisor: Rhian Touyz Ottawa Hospital Research Institute <i>The study of the pathophysiological role of the aldosterone and cortico steroid receptors in the kidney and the cardiovascular system</i>	Hypertension	2011 - 2012: \$3,500

This award is funded through a special contribution by the Agostino Monteduro Endowment Fund.

Graduate Student Award

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
ZIMMERMAN, Danielle Supervisors: Kevin Burns, Rhian Touyz Ottawa Hospital Research Institute <i>The role of Ang (1-7) in a model of renal fibrosis</i>	Hypertension	2011 - 2012: \$2,500

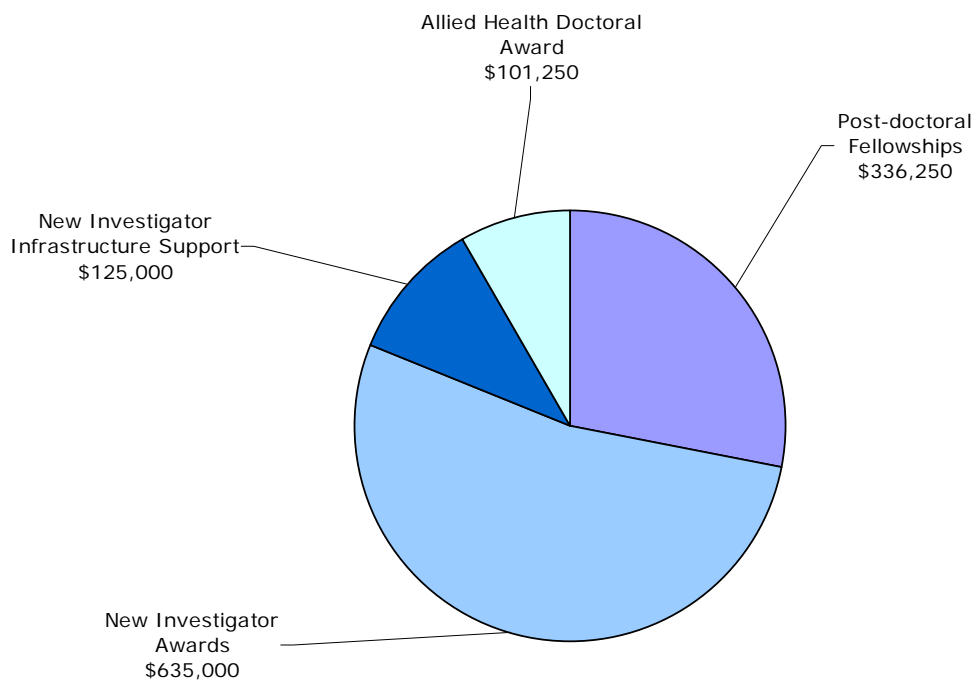
This award is funded through a special contribution by the Agostino Monteduro Endowment Fund.

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, the CIHR Institute of Nutrition, Metabolism and Diabetes and the CIHR Institute of Circulatory and Respiratory Health.

TOTAL KRESCENT AWARDS BY PROGRAM

JULY 1, 2011 – JUNE 30, 2012



- 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, CIHR-III and CIHR Ethics Office is complemented by the generous support of Amgen, Baxter Corporation, Maple Leaf Foods, 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>
<p>AHMADI, Morteza Supervisor: John T. W. Yeow University of Waterloo <i>Design, fabrication and characterization of a nanotechnology based wearable artificial kidney</i></p>	Dialysis	2011 - 2012: \$35,000 2012 - 2013: \$35,000 NSERC-THE KIDNEY FOUNDATION OF CANADA-KRESCENT AWARD
<p>PATERSON, Theone Supervisors: Wendy J. Loken-Thornton, Jean R. Shapiro Simon Fraser University, Vancouver <i>Predicting medication adherence in renal transplant patients: self-efficacy, depression and cognition</i></p>	Transplantation	2011 - 2012: \$26,250 2012 - 2013: \$35,000 2013 - 2014: \$ 8,750 MSFHR-THE KIDNEY FOUNDATION OF CANADA-KRESCENT AWARD
<p>ROSE, Caren Supervisors: Charlyn Black, John S. Gill University of British Columbia, Vancouver <i>Estimating the number of individuals who die in hospital and are candidates for deceased organ donation</i></p>	Organ Donation	2010 - 2011: \$40,000 2011 - 2012: \$40,000 2012 - 2013: \$40,000



<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
BARUA , Moumita Supervisor: Martin R. Pollak Beth Israel Deaconess Medical Centre Harvard Medical School , Boston, MA <i>Identification of rare variants in sporadic and familial cases of focal and segmental glomerulosclerosis</i>	Glomerulonephritis	2010 - 2011: \$65,000 2011 - 2012: \$65,000 2012 - 2013: \$65,000
BURGER , Dylan Supervisor: Rhian M. Touyz Ottawa Hospital Research Institute <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, Harvard Medical Centre , 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: *
*Unfunded curriculum participant.		
KURBAN , Ghada Supervisors: Michael A. S. Jewett, Brenda Louise Gallie Ontario Cancer Institute, Princess Margaret Hospital , Toronto <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
LEMAIRE , Mathieu Supervisor: Richard P. Lifton Yale School of Medicine, Howard Hughes Medical Institute, New Haven, CT <i>Novel insights into proximal tubule function: finding novel disease-causing genes in a large cohort of patients with Dent's disease without mutation in CLCN5 or OCRL1 using whole exome capture</i>	Genetics	2010 - 2011: \$65,000 2011 - 2012: \$65,000 2012 - 2013: \$65,000



<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
SCHICK MAKAROFF , Kara Anita E. Molzahn University of Alberta , Edmonton <i>Health-related quality of life assessment in clinical nephrology nursing practice</i>	Quality of Life	2011 - 2012: \$41,250 2012 - 2013: \$55,000 2013 - 2014: \$55,000 2014 - 2015: \$13,750
SEDEEK , Mona Supervisors: Rhian M. Touyz, Richard L. Hébert Ottawa Hospital Research Institute <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

<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		
CHERNEY, David Toronto General Hospital <i>Hemodynamic and molecular mechanisms of hyperfiltration in type I diabetes mellitus</i>	Diabetes	2010 - 2011: \$70,000 2011 - 2012: \$70,000 2012 - 2013: \$70,000
CANADIAN DIABETES ASSOCIATION – KRESCENT JOINT NEW INVESTIGATOR AWARD		
CORDAT, Emmanuelle University of Alberta, Edmonton <i>Regulation of acid-base homeostasis and calcium reabsorption in the distal nephron</i>	Water, Salt and Calcium Handling by the Kidney	2010 - 2011: \$60,000 2011 - 2012: \$60,000 2012 - 2013: \$60,000
AMGEN – KRESCENT JOINT NEW INVESTIGATOR AWARD		
FORTIN, Marie-Chantal CRCHUM - Hôpital Notre-Dame, Montreal <i>A qualitative study on transplantation stakeholders' views on ethical issues related to the participation of compatible pairs in kidney exchange programs, and a proposal for guidelines</i>	Transplantation	2011 - 2012: \$52,500 2012 - 2013: \$70,000 2013 - 2014: \$70,000 2014 - 2015: \$17,500
COFUNDED WITH FRSQ		
GUNARATNAM, Lakshman The University of Western Ontario, London <i>Exploiting KIM-1 signalling to ameliorate renal ischemia reperfusion injury through clearance of apoptotic cells</i>	Acute Renal Failure	2011 - 2012: \$70,000 2012 - 2013: \$70,000 2013 - 2014: \$70,000
HARTWIG, Sunny University of Prince Edward Island, Charlottetown <i>Defining the role of Sox4, Sox11 and Sox12 in nephron progenitor cells during kidney development</i>	Kidney Development	2010 - 2011: \$60,000 2011 - 2012: \$60,000 2012 - 2013: \$60,000



KRESCENT Program 2011-2012 Awards
New Investigator Awards

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
HO, Juliet University of Manitoba, Winnipeg <i>Novel urine biomarkers of progressive interstitial fibrosis/tubular atrophy and renal allograft dysfunction & loss</i>	Transplantation	2011 - 2012: \$70,000 2012 - 2013: \$70,000 2013 - 2014: \$70,000
LAFRANCE, Jean-Philippe Centre de recherche Hôpital Maisonneuve-Rosemont, Montreal <i>Incidence and risk factors of infection-related hospitalizations in patient receiving dialysis by linkage of the Canadian Organ Replacement Registry (CORR) and provincial administrative databases</i>	Dialysis	2010 - 2011: \$70,000 2011 - 2012: \$70,000 2012 - 2013: \$70,000 COFUNDED WITH FRSQ/MSSS – DIRECTION DE LA BIOVIGILANCE
SAMUEL, Susan University of Calgary <i>A health services research program in pediatric nephrology</i>	Chronic Kidney Disease	2011 - 2012: \$70,000 2012 - 2013: \$70,000 2013 - 2014: \$70,000 COFUNDED WITH CCHCSP
WALSH, Michael McMaster University, Hamilton <i>Remote ischemic preconditioning in cardiac surgery trial (Remote IMPACT)</i>	Acute Renal Failure	2011 - 2012: \$52,500 2012 - 2013: \$70,000 2013 - 2014: \$70,000 2014 - 2015: \$18,500



<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
FORTIN , Marie-Chantal CRCHUM - Hôpital Notre-Dame , Montreal <i>A qualitative study on transplantation stakeholders' views on ethical issues related to the participation of compatible pairs in kidney exchange programs, and a proposal for guidelines</i>	Transplantation	2011 - 2012: \$25,000
GUNARATNAM , Lakshman The University of Western Ontario , London <i>Exploiting KIM-1 signalling to ameliorate renal ischemia reperfusion injury through clearance of apoptotic cells</i>	Acute Renal Failure	2011 - 2012: \$25,000
HO , Juliet University of Manitoba , Winnipeg <i>Novel urine biomarkers of progressive interstitial fibrosis/tubular atrophy and renal allograft dysfunction & loss</i>	Transplantation	2011 - 2012: \$25,000
SAMUEL , Susan University of Calgary <i>A health services research program in pediatric nephrology</i>	Chronic Kidney Disease	2011 - 2012: \$25,000
WALSH , Michael McMaster University , Hamilton <i>Remote ischemic preconditioning in cardiac surgery trial (Remote IMPACT)</i>	Acute Renal Failure	2011 - 2012: \$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 CIHR Institute of Nutrition, Metabolism and Diabetes who fund special strategic research initiatives;
- national corporations including Amgen, Baxter Corporation, 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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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](#).