

Supporting Research Excellence

Research Award Recipients

July 1, 2010 – June 30, 2011





National Office | Bureau national

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June 2010

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 2010, 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 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 2010-2011, 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 2010 granting competition, the Foundation has awarded grants, totaling approximately \$3.0 million, to fund the 61 projects on the attached listing for the next research funding year from July 1, 2010 to June 30, 2011. 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 sixth 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 eighteen training awards (nine post doctoral fellowships, one allied health doctoral award and eight new investigator awards) and an additional \$1,175,000 of investment for the research funding year July 1, 2010 to June 30, 2011.

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

TABLE OF CONTENTS

The Kidney Foundation of Canada 2010-2011 Research Program Description ...	1
The Kidney Foundation of Canada 2010-2011 Research Funding by Program	2
The Kidney Foundation of Canada 2010-2011 Grant Distribution by Areas of Focus	3
The Kidney Foundation of Canada 2010-2011 Research Awards	4
Biomedical Research Grants.....	4
Biomedical Fellowships.....	11
Allied Health Research Grants	12
Allied Health Doctoral Fellowships.....	13
Allied Health Scholarship	14
The Kidney Foundation of Canada/Pfizer Canada	15
The Kidney Foundation of Canada and Pfizer Canada - Cardio-Renal Research Awards	15
Kidney Disease – Research Chair	16
The Roy & V. Baay Chair in Kidney Research	16
KRESCENT Program 2010-2011 Description	17
KRESCENT Program 2010-2011 Awards	18
KRESCENT Allied Health Doctoral Award	18
KRESCENT Post-doctoral Fellowships.....	19
KRESCENT New Investigator Awards	21
KRESCENT New Investigator Infrastructure Support	23
Acknowledgements	



KFOC 2010-2011 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.

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

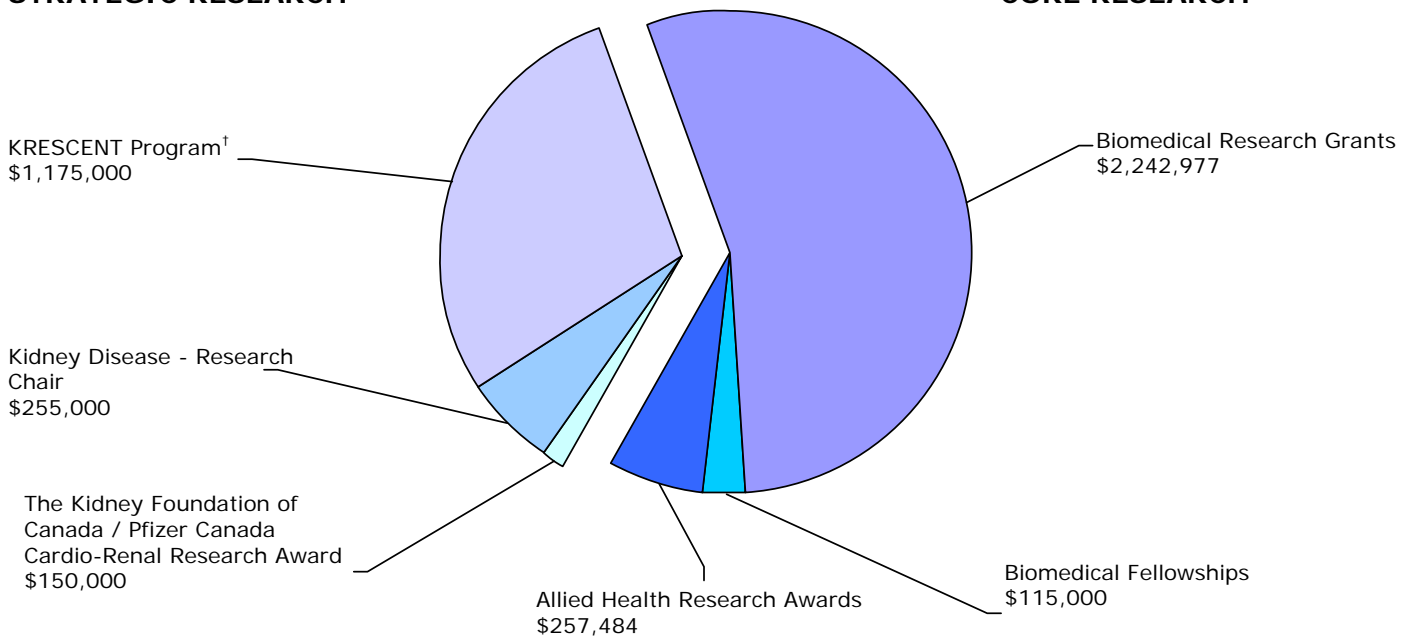
- The Kidney Foundation of Canada/Pfizer Canada - Cardio–Renal Research Award provides financial support to researchers to assist in defraying the operating costs of research relevant to cardiovascular complications of kidney disease.

TOTAL GRANTS AWARDED BY PROGRAM

JULY 1, 2010 – JUNE 30, 2011

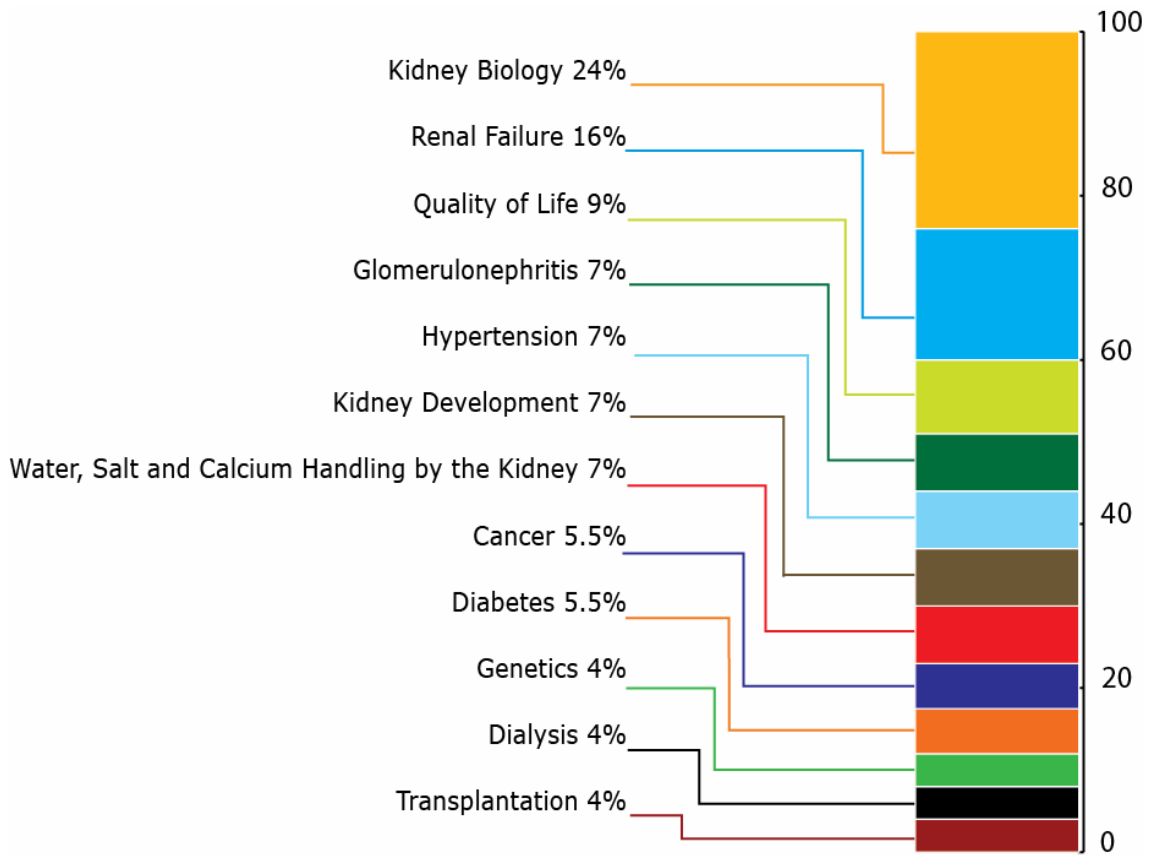
STRATEGIC RESEARCH

CORE RESEARCH



[†]The KRESCENT Program includes contributions from CIHR \$290,000 and the FRSQ \$60,520.

KFOC 2010-2011 Grant Distribution By Areas of Focus





KFOC 2010-2011 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>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
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
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 podocyte ACE2 in non-diabetic kidney disease</i>	Kidney Biology	2010 - 2011: \$50,000 2011 - 2012: \$50,000
CHEN , Xing-Zhen University of Alberta , Edmonton <i>Regulation of cell proliferation by polycystin-1 through an eIF2α pathway</i>	Genetics	2009 - 2010: \$50,000 2010 - 2011: \$50,000



KFOC 2010-2011 Research Awards
Biomedical Research Grants

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
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
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
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
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	2009 – 2010: \$50,000 2010 – 2011: \$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
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



**KFOC 2010-2011 Research Awards
Biomedical Research Grants**

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
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
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: \$50,000 2011 - 2012: \$50,000 2012 - 2013: \$50,000
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 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-Cl cotransporters</i>	Water, Salt and Calcium Handling by the Kidney	2010 - 2011: \$50,000 2011 - 2012: \$50,000
JAMES, Mattew T. Braden Manns, William A. Ghali, Merril L. Knudtson 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
KAPUS, Andras St. Michael's Hospital, Toronto <i>Epithelial-myofibroblast transition: an unexpected role for Smad3</i>	Kidney Biology	2009 - 2010: \$50,000 2010 - 2011: \$50,000



KFOC 2010-2011 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
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 <i>Role of advanced glycation end products (AGEs) in renal failure progression and hypertension</i>	Hypertension	2010 - 2011: \$50,000 2011 - 2012: \$50,000
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>	Transplantation	2010 - 2011: \$49,275 2011 - 2012: \$49,275
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



**KFOC 2010-2011 Research Awards
Biomedical Research Grants**

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
MADRENAS, Joaquin The John P. Robarts Research Institute, London <i>Modulation of peritoneal dialysis (PD)-associated peritonitis by the bacterial cell wall</i>	Dialysis	2010 - 2011: \$50,000 2011 - 2012: \$50,000
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
OHH, Michael University of Toronto <i>Role of HIF in kidney cancer</i>	Cancer	2009 - 2010: \$50,000 2010 - 2011: \$50,000
ORLOV, Sergei Ryszard Grygorczyk Centre de recherche du CHUM Technopôle Angus, Montreal <i>Cell shrinkage as a key intermediate of purinergic signaling in collecting data</i>	Water, Salt and Calcium Handling by the Kidney	2010 - 2011: \$50,000 2011 - 2012: \$50,000
PANNU, Neesh Scott W. Klarenbach University of Alberta, Edmonton <i>Evaluating the role of chronic kidney disease in the epidemiology of acute kidney injury</i>	Renal Failure	2010 - 2011: \$45,475 2011 - 2012: \$44,850
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
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



**KFOC 2010-2011 Research Awards
Biomedical Research Grants**

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
PEI, York University of Toronto <i>Molecular genetics of idiopathic nephrotic syndrome</i>	Genetics	2010 - 2011: \$50,000 2011 - 2012: \$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
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
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
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
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



**KFOC 2010-2011 Research Awards
Biomedical Research Grants**

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
WANG, Hao The University of Western Ontario, London <i>The role of mesenchymal cells in kidney allograft tolerance</i>	Transplantation	2009 - 2010: \$50,000 2010 - 2011: \$50,000
YOUSEF, George Andrew J. Evans, Georg Bjarnason, Michael A. S. Jewett St. Michael's Hospital, Toronto <i>Utilizing personalized medicine to improve patient management in aggressive kidney cancer: identification of prognostic and predictive markers via MicroRNA profiling</i>	Cancer	2010 - 2011: \$49,750 2011 - 2012: \$48,650 2012 - 2013: \$48,650
ZHANG, Zhu-Xu Anthony M. Jevnikar Lawson Health Research Institute, London <i>The role of NK cell in kidney injury</i>	Renal Failure	2010 - 2011: \$50,000 2011 - 2012: \$50,000



**KFOC 2010-2011 Research Awards
Biomedical Fellowships**

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
<p>AKIMOVA, Olga Supervisors: Sergei N. Orlov, Pavel Hamet Centre de recherche du CHUM Technopôle Angus, Montreal <i>Search of intermediates of Na,K-ATPase-mediated (Na⁺)_i/(K⁺)_i-independent death signaling triggered by cardiotoxic steroids</i></p>	Hypertension	2010 - 2011: \$35,000
<p>EL KARES, Reyhan Supervisor: Paul R. Goodyer Montreal Children's Hospital <i>The genetic determinants of renal hypoplasia</i></p>	Genetics	2008 - 2009: \$35,000 2009 - 2010: \$35,000 2010 - 2011: \$35,000
<p>KONVALINKA, Ana Supervisors: Daniel C. Cattran, James W. Scholey University of Toronto <i>Predicting outcomes in primary glomerular-based diseases</i></p>	Glomerulonephritis	2008 - 2009: \$45,000 2009 - 2010: \$45,000 2010 - 2011: \$45,000

**CANADIAN SOCIETY OF
NEPHROLOGY/KIDNEY
FOUNDATION OF CANADA
FELLOWSHIP**



KFOC 2010-2011 Research Awards
Allied Health Research Grants

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
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
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>	Quality of Life	2010 - 2011: \$50,000 2011 - 2012: \$50,000



**KFOC 2010-2011 Research Awards
Allied Health Doctoral Fellowships**

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
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
MANTULAK, Andrew Supervisors: Thomas J. Mante, Susan A Cadell Wilfrid Laurier University , Waterloo <i>The lived experience of parents caring for a child with end stage renal disease</i>	Quality of Life	2010 - 2011: \$31,000
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 <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 2010-2011 Research Awards
Allied Health Scholarships**

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
NASH , Christine Supervisor: Young-In J. Kim University of Toronto <i>Nutrition Sciences</i>	Nutritional Sciences	2010 - 2011: \$2,500
ONG , Stephanie Supervisor: Denis J. Protti University of Victoria <i>Health Informatics</i>	Health Informatics	2010 - 2011: \$5,000
VAILLANCOURT , Christina Rose Supervisor: Ellen Vogel University of Ontario Institute of Technology, Oshawa <i>Health Sciences</i>	Health Sciences	2010 - 2011: \$5,000



KFOC 2010-2011 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
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.



The foundation
of kidney care.

***KFOC 2010-2011 Research Awards
Kidney Disease – Research Chair***

The Roy & Vi Baay Chair in Kidney Research
University of Calgary

2010 - 2011: \$255,000

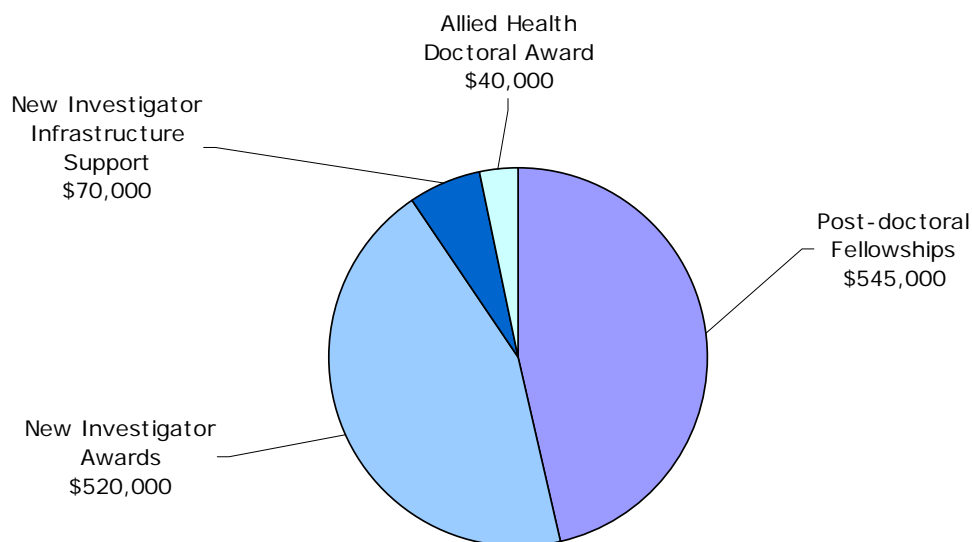
This award is funded through a special contribution by the Southern Alberta Branch.

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

JULY 1, 2010 – JUNE 30, 2011



- 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 is complemented by the generous support of Amgen, Baxter Corporation, Maple Leaf Foods, Ortho Biotech, 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>
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>	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: \$65,000
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



KRESCENT Program 2010-2011 Awards
Post-doctoral Fellowships

<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
MOISAN, Annie Supervisor: Nabeel Bardeesy Massachusetts General Hospital Cancer Centre, Harvard Medical School, Boston, MA <i>Function of the Wtx tumor in renal cell differentiation, kidney development and Wilms' tumor pathogenesis</i>	Cancer	2010 - 2011: \$55,000 2011 - 2012: \$55,000 2012 - 2013: \$55,000
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
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
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		
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		
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
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
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		



<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
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
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
		COFUNDED WITH FRSQ



<u>RECIPIENT</u>	<u>CATEGORY</u>	<u>AMOUNT FUNDED</u>
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: \$25,000
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: \$20,000
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: \$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, 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 17](#)).

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

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