

# TVN Improving care for the frail elderly



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Technology Evaluation in the Elderly Network (TVN) is supported by the Government of Canada through the Networks of Centres of Excellence (NCE) Program. The Networks of Centres of Excellence is a joint program of the Natural Sciences and Engineering Research Council (NSERC), the Social Sciences and Humanities Research Council (SSHRC), the Canadian Institutes of Health Research (CIHR) and Industry Canada. Since its creation in 1989, the Networks of Centres of Excellence (NCE) program has successfully brought together the best minds in many disciplines and sectors to find solutions to major social, economic or health issues of critical concern for Canadians.



NCE RCE

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Canada 

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Technology Evaluation in the Elderly Network is hosted by Queen's University, and the Administrative Centre is located at Kingston General Hospital.



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# Mission and vision



## Our vision:

To position Canada as a global leader in providing the highest quality of care for its aging population.

## Our mission:

To improve the care of seriously ill, elderly patients and support their families and caregivers.

## The people we serve:

TVN is dedicated to improving the care of older Canadians who have significant life-limiting illness in which there is a question of what technology to apply to improve their survival and quality of life or the quality of their death, including end-of-life care. We focus on the frail elderly with multiple chronic conditions, across all settings of care, from acute and critical care to community care. We use a family centric model of care, including the patient's family and informal caregivers.



Canada Networks of Centres of Excellence (NCE) programs strategically mobilize expertise and collaborations in specific areas of need. Under the NCE framework, a network's success is ultimately judged by the impact it has on Canadian society as a whole.

*“With a growing population of elderly people in Canada, and continued advance in medical care, the technology and methods of the treatment of the frail elderly and the provision of appropriate end-of-life care is a major issue facing Canada's health and social care systems.”*

—Networks of Centres of Excellence Expert Panel Review

# Our first full year



With our first full year of operations completed, I am pleased to report that Technology Evaluation in the Elderly Network (TVN) is now well positioned to deliver on the commitment it made to Canadians—to pursue research and training programs that will improve the care of seriously ill, elderly patients and support their families and caregivers. This is a growing challenge as Canada’s population ages. But it also provides the opportunity for Canada to become a world leader in providing high quality care for the frail elderly and for end-of-life treatment as well as aiding families and caregivers in what can be highly stressful circumstances.

Following the May 2012 decision by the Networks of Centres of Excellence to provide funding for an initial 5-year period running to March 31, 2017, our first months were spent establishing TVN as a national network capable of delivering on its vision and mission. This included attracting an effective Board of Directors, staffing the organization, establishing a system of governance, developing a strategic plan, recruiting leading scientific expertise to our Research Management, Scientific Review, Knowledge Translation and Education and Training Committees as well as recruiting scientific reviewers of research proposals, building our alliance of network members, launching our first competitions for research grants, and

developing links with like-minded organizations across the country.

That we were capable of doing all of this in less than a year is a tribute to our dedicated staff, our partners and supporters across the country and the close cooperation of our host university, Queen’s University and Kingston General Hospital. In particular, none of this would have been possible without the contributions of our founding visionary Dr. Daren Heyland, our founding and first Chair, the Hon. Sharon Carstairs, our interim Scientific Director Dr. Richard Birtwhistle, and our first Executive Director Michelle MacDonald.

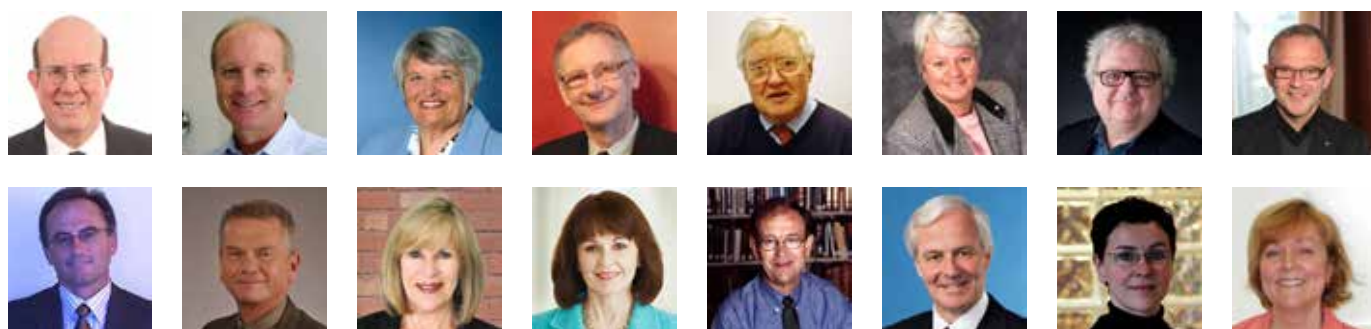
As a result, in our first full year – April 1, 2013 to March 31, 2014 – we were able to undertake major initiatives in awarding research grants, training highly-qualified researchers and working with partners and like-minded groups across the country. We are now well advanced in implementing the TVN strategic plan and pursuing our strategic priorities under the leadership of Dr. John Muscedere, our Scientific Director. We are now at the stage where we can expect to begin seeing the results of some of our early research projects as well as our efforts to ensure a growing number of young researchers capable of building future expertise for Canada. As part of our commitment to support young researchers, I am pleased to report that we are launching the Honorable Sharon Carstairs

Bursary to improve opportunities for young researchers to participate in research activities. As the new fiscal year unfolds we will be launching new research competitions but as the results of previous research awards are received, we will be working to widely disseminate what we have learned.

In the coming year, your Board of Directors will continue to work closely with TVN staff, and TVN partners and supporters to ensure that we achieve the objectives set for TVN when it won approval from the Networks of Centres of Excellence and to justify its confidence in us. I want to thank all my fellow board members (most of who have been with TVN from the beginning), and all the supporting institutions, staff and researchers for their support for TVN. In the meantime, I invite you to follow our progress on our website [www.tvn-nce.ca](http://www.tvn-nce.ca).

*Brian W. Gray* —Brian Gray, Interim Board Chair

## TVN Board of Directors



- **Brian Gray, Interim Board Chair \***

Senior Partner  
Norton Rose Fulbright Canada LLP

- **Dr. Richard Birtwhistle**

Professor, Departments of Family Medicine and Community Health and Epidemiology, and Director, Centre for Studies in Primary Care, Department of Family Medicine, Queen's University  
Family physician and clinical epidemiologist

- **The Hon. Sharon Carstairs, P.C.**

Founding Board Chair (to April 2014)

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Consultant, Economist

- **David Crane <sup>+</sup>**

Journalist

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Bioethicist and Professor Emeritus,  
Department of Bioethics, Dalhousie University

- **Dr. Bernard Lapointe \***

Chief, Division of Palliative Care,  
Montreal Jewish General Hospital  
Associate Professor, Palliative Medicine,  
Departments of Family Medicine and Oncology,  
McGill University

- **Dr. Steven Liss \***

Vice-Principal (Research), Queen's University

- **Dr. John Muscedere**

TVN Scientific Director  
Professor, Medicine, Queen's University

- **Dr. Tom Noseworthy**

Professor, Health Policy and Management,  
Department of Community Health Sciences and  
Institute for Public Health, University of Calgary

- **Joyce Resin**

Public Engagement Consultant

- **Deborah Thorlakson <sup>+</sup>**

Member of numerous foundations and boards,  
including the International Centre for Dignity and  
Palliative Care (ICDPC), the Manitoba Foundation  
for the Arts and the Headingley Library

- **Dr. Peter Tugwell**

Director, Centre for Global Health, Institute of  
Population Health, and Canada Research Chair in  
Health Equity, University of Ottawa  
Professor, Medicine, Epidemiology & Community  
Medicine, University of Ottawa  
Staff physician and practicing rheumatologist,  
Ottawa Hospital

- **Russell Williams <sup>\*\*+</sup>**

President  
Canada's Research-based Pharmaceutical  
Companies (Rx&D)

- **Dr. Stéphanie Michaud <sup>\*\*+</sup>**

NCE Liaison (non-voting)

- **Carol Barrie <sup>\*\*+</sup>**

TVN Executive Director (non-voting)

\* Member, Executive Committee

+ Member, Audit & Finance Committee

Current members as of date of release,  
unless otherwise noted

PHOTO ARRANGED LEFT TO RIGHT, TOP TO BOTTOM  
TO MATCH LIST OF MEMBERS

## Scientific Director update

It is a privilege to be in the scientific leadership role for the Technology Evaluation in the Elderly Network. As you will see in following pages, TVN has made substantial progress as a catalyst for research excellence by funding projects, trainees and programs that have the potential to substantially raise the bar for research capacity, interdisciplinary and multi-sectoral collaboration in this country. None of this would have been possible without the existence of this network, and TVN would not exist without the Networks of Centres of Excellence. Speaking for TVN's administration and scientific community I want express my sincere thanks to the NCE Program.

In the projects funded as of March 31, 2014, the number of principal investigators and co-investigators on TVN funded projects increased from 29 to 149, representing 17 different disciplines. Within the discipline of medicine, investigators represent 16 different specialties. This is a marked increase from the 44 researchers identified in the original proposal to NCE.

Along with our granting competitions, the Research Management Committee drafted our research plan as the knowledge foundation for TVN to advance care and inspire change. That plan continues to evolve as more of our colleagues from academia, the clinical and community settings come together through our network and discover new opportunities for collaboration.

All of us in the network owe a special note of thanks to Dr. Richard Birtwhistle who was exceptional in the role of Interim Scientific Director last year. Not surprising to anyone who knows Rick, he immersed himself in the role, offering great wisdom, diplomacy, skill and an absolute dedication to research excellence.

TVN has been fortunate to have a cadre of highly talented expert committees – the Research Management Committee (RMC), the Scientific Review Committee led by Dr. Art Slutsky, the



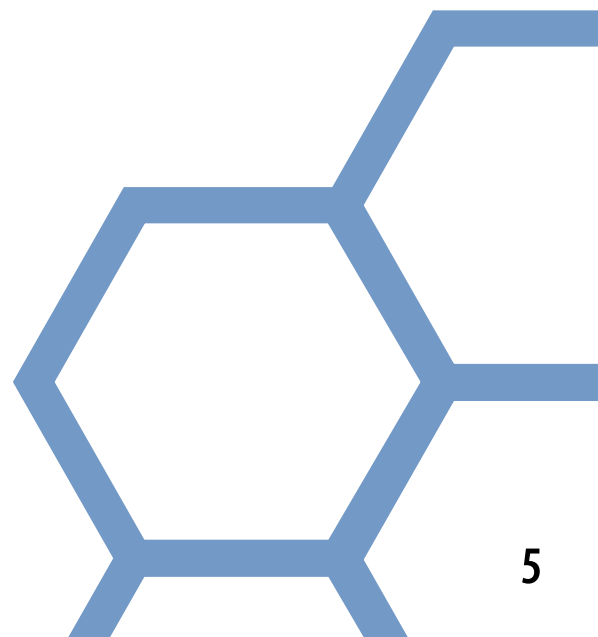
Education and Training Committee led by Dr. Denise Stockley, and the Knowledge Translation Committee led by Dr. Jayna Holroyd-Leduc - to guide the Network in its research, training of high-

ly qualified personnel and effective knowledge mobilization – thank you for all of your efforts; it has been central to our success. We are also appreciative of the time and effort put forth by our scientific reviewers.

Next year we will continue to fund innovative transformational research, expand our training program for the next generation of professionals, concurrently build the structures and partnerships necessary to mobilize outcomes from our funded projects and continue to seek new opportunities.

A handwritten signature in black ink, appearing to read "J. Muscedere". The signature is stylized with a large loop at the beginning and a long horizontal stroke at the end.

—John Muscedere, MD, FRCPC  
TVN Scientific Director



# TVN Strategic direction



## A national catalyst to advance care for the frail elderly

TVN is built upon the premise that the caring for the frail elderly is a complex, Canada-wide issue that requires multi-faceted, national strategies and solutions. The Networks of Centres of Excellence (NCE) has made a substantial and visionary investment to create this network to position our country as a global leader in the care of our frail elderly citizens and their families.

Our provincially managed health care systems often, despite all good intentions and past efforts, leave Canadians with a disparate, and at times, confusing mix of services, regulations, messages, options and treatments. Patients in Prince George may not be benefitting from innovative technology and treatments being developed in Halifax, or further afield, in Austin or Stockholm. Moreover, new therapies and treatments may be adopted without rigorous evaluation in the seriously ill, frail elderly. The inefficient adoption of best practice has led to ever increasing health resource consumption without commensurate improvements in patient centered outcomes. From a national perspective this is not a desirable, fiscally efficient, or sustainable means to foster innovation or advance and manage care. Consider that 2013 health care spending (\$211 billion, about \$6,000/person) consumed about 11.2% of Canada's gross domestic product and that the seriously ill, frail elderly population will continue to increase leading to ever-increasing demands for health care resources.

TVN believes that there is outstanding expertise in this country: practitioners, scientists, clinicians, academia, community organizations, industry, administrators and policy-makers. TVN also believes the pathway to improving the care of our frail elderly is by bringing these talented people together, regardless of province, territory or, in some cases, nation.





## TVN Strategic priorities

In the past year, TVN completed a strategic plan that was developed through nation-wide stakeholder engagement sessions and planning retreats. The plan articulates five priorities for the network:

- Foster matching care to values
- Empower, engage and support patients and their families/caregivers
- Improve clinical outcomes
- Improve care across the continuum
- Build the capacity of Technology Evaluation in the Elderly Network

## The cornerstones of our national strategy

The TVN plan also contains four strategic cornerstones guiding all TVN activity:

- Globally recognized multidisciplinary program of research excellence
- Translation of research evidence into best practices and policy
- Training of the next generation of highly qualified personnel (HQP)
- Productive multi-sectoral partnerships and collaborations among all stakeholders, including patients and families

Our research, knowledge mobilization, partnership and HQP strategies and programs provide the means to help break down system barriers and improve care across all settings.



# Research and knowledge translation



## Engine of innovation to care for Canada's frail elderly

Every day for practitioners, patients and families questions arise about what technology to apply to improve survival, quality of life or end of life. This can involve a drug, device, knowledge product, improvement strategy or tool used in the diagnosis, treatment or palliation of a patient. TVN wants to ensure the answers to these questions are consistently available across Canada based on sound scientific evidence.

In 2013–14 TVN made substantial progress in fostering globally recognized research excellence related to the use of health care technology in seriously ill elderly patients and their families. The network held 10 competitions that will disburse approximately \$10 million to fund innovative multi-sectoral, multi-disciplinary research and research capacity building that would not have happened without the NCE's investment.

An integrated Knowledge translation (KT) approach is always front-of-mind with TVN research activity. One of our key funding criteria is the requirement that projects impact practice or policy and provide

socio-economic benefit to Canadians. This means involving project partners (practitioners, patients and families) from the initiation of the research to its completion such that that the research results are more easily and readily deployed into policy and practice. This is a two-way pipeline where knowledge users and stakeholders inform the scientific inquiry to current challenges.

Next year the network will implement an ethical framework for technology evaluation, execute our next round of funding competitions with an enhanced concentration on strategic impact and knowledge translation.



## TVN Grant programs

### **Core Grant Program:**

Large multidisciplinary projects that pursue integrated goal-directed programs to address major research outcomes. They are 2 to 3 years in length.

### **Catalyst Grant Program:**

Pilot studies, feasibility studies, studies involving novel approaches and foster the development of multi-disciplinary team.

### **Knowledge Synthesis Grant Program:**

Synthesize existing research to identify gaps that can be filled in with new research, or if the knowledge is mature, form the basis for knowledge translation efforts such as

reports, brochures and tools for to inform practice and change policy.

### **Strategic Impact Grant Program:**

Leverages new partnerships between stakeholders working in similar areas of interest, addresses research in emerging strategic areas, policy, practice or commercialization.

### **Outreach Grant Program:**

Designed to communicate research, policy or ethics to targeted public audiences in Canada and abroad, using strategies such as web design, printing, graphic design, and video production.

## Benchmarks + electronic medical records = better end-of life care

*The axiom that 'measurement is the first step to quality improvement' is at the centre of the TVN funded study led by Dr. Francis Lau from the University of Victoria and Dr. Doris Barwich, previously from Fraser Health Authority. Their three-year project seeks to develop consistent quality indicators connected to best practices to enhance the quality of end-of-life primary care and have them integrated into electronic medical records (EMR) used by primary care physicians across the province.*

*Barwich, Lau and their team of co-investigators and graduate students hope to find that using this technology alleviates unnecessary suffering, promotes higher quality care for elderly patients with advanced disease, and is conducive to a more efficient use of health care resources.*

*The project is being done at primary care practice sites at Fraser Health and several Divisions of Family Practice in BC. Primary care physicians will also be directly involved as they are well positioned to provide palliative and end-of-life care to patients. If successful, there may be national potential for this strategy via TVN's KT network of researchers and users.*

## TVN Funded projects by strategic priority

To-date funding has been committed to 32 research and knowledge synthesis projects, along with the research projects of 16 fellows from the first two cohorts of our Interdisciplinary Fellowship Awards. Projects are funded to address our research objectives which align with TVN's four strategic priorities.



### Matching care to values

Research in the area of evaluating and relieving 'moral distress' in patients, families, caregivers and health professionals.



*'Talk to me': A mixed methods study on patients' views on physician behaviours that influence the quality of advance care planning communication*  
Core Research Program 2012

**Principal Investigators:**  
Jessica Simon, MBChB, FRCPC, University of Calgary  
John You, MD, MSc, FRCPC, McMaster University  
**Co-Investigators:**  
Kevin Brazil, PhD, Queen's University, Belfast, UK  
Diana Sherifali, PhD, BScN, McMaster University

*Advance Care Planning: A Qualitative Study with Families of Deceased Cognitively Impaired Older Adults*  
Interdisciplinary Fellowship Program 2013

**Fellow:**  
Anna Jeznach, MSc, BSc, PhD student  
**Supervisor:**  
Holly Tuokko, PhD, R.Psych, University of Victoria

*DECISION-making about goals of care for hospitalized medical patients II: a COMMUNICATION intervention (DECIDE II COMMUNICATE) – patient data collection and feedback pilot*  
Catalyst Grant Program 2013

**Principal Investigator:**  
James Downar, BSc, MD(CM), MHSc, FRCPC,  
University Health Network

*iGAP: improving general practice ACP*  
Core Research Program 2013

**Principal Investigators:**  
Doris Barwich, MD, University of British Columbia  
Daren Heyland, MD, MSc, BSc, Queen's University/  
Kingston General Hospital  
Michelle Howard, PhD, MSc, McMaster University  
Doug Klein, MD, MSc, BSc, University of Alberta

*The impact of staff attitudes' towards residents and the delivery of care in long-term facilities*  
Interdisciplinary Fellowship Program 2014

**Fellow:**  
Laura Booi, MA, PhD student  
**Supervisor:**  
Andrew Sixsmith, PhD, Simon Fraser University



## Engaging, empowering and supporting patients, their families and support systems

Research in the areas of: 1) strategies for patient engagement and shared decision making, 2) tools for advance care planning and patient decision making, and 3) improving the communication between patients, families/caregivers and health professionals.



*Choosing health care options by involving Canada's elderly: the CHOICE knowledge synthesis project*  
Knowledge Synthesis Grant Program 2013

*Outcome and research Priorities in Intensive Care Studies (OPTICS) Program*  
Scientific Director Grant 2014

*Evaluation of Advanced Care Planning Information Tools with Seriously-Ill Elderly Patients: A Qualitative Approach*  
Core Research Program 2013

*Fostering end-of-life conversations, community and care among LGBT older adults*  
Catalyst Grant Program 2013

*User studies with intelligent assistive robots and elder residents living in long-term care*  
Catalyst Grant Program 2013

*Integrating quality of life assessments into acute care for older adults with chronic life-limiting illness*  
Catalyst Grant Program 2013

*Improving the decision process about location of care with the frail elderly and their caregivers*  
Core Research Program 2013

*The carer support needs assessment intervention: supporting family caregivers of palliative patients at home*  
Core Research Program 2013

**Principal Investigator:**  
Paul Stolee, PhD, MSc, MPA, BA, University of Waterloo

**Principal Investigator:**  
John Muscedere, MD, FRCPC, Queen's University

**Co-Investigators:**  
Jill Cameron, PhD, OT, University of Toronto  
Margaret Harrison, PhD, RN, Queen's University  
Margaret Herridge, MD, MSc, Toronto General Hospital  
Daren Heyland, MD, MSc, BSc, Queen's University  
Michelle Kho, PhD, PT, McMaster University  
François Lamontagne, MD, PhD, University of Sherbrooke  
Tasnim Sinuff, MD, PhD, Sunnybrook Medical Centre

**Fellow:**  
Shannon Cunningham, PhD, MA, BA

**Supervisor:**  
Sara Davison, MD, FRCPC, MSc,  
University of Alberta

**Principal Investigators:**  
Brian de Vries, PhD, Simon Fraser University  
Gloria Gutman, PhD, Simon Fraser University

**Principal Investigator:**  
Goldie Nejat, PhD, University of Toronto

**Principal Investigators:**  
Richard Sawatzky, PhD, RN, Trinity  
Western University  
Robin Cohen, PhD, Jewish General Hospital  
Kelli Stajduhar, PhD, MSN, BN, RN,  
University of Victoria

**Principal Investigator:**  
France Légaré, MD, PhD, CCFP, FCFP,  
Laval University

**Principal Investigator:**  
Kelli Stajduhar, PhD, MSN, BN, RN,  
University of Victoria



*Improving decision-making about goals of care for hospitalized elderly patients: a "multi-incubator" study*  
Core Research Program 2013

*Slip-resistant footwear design for older adults using smart materials*  
Interdisciplinary Fellowship Program 2014

*Evaluating the impact of laws and policies for the caregiving of the seriously ill elderly*  
Interdisciplinary Fellowship Program 2014

*Re-visioning aging: using digital storytelling to understand the experience of aging with serious illness*  
Interdisciplinary Fellowship Program 2014

*Communication technologies for engaging patients, families and caregivers in the health care system: a scoping review*  
Knowledge Synthesis Grant Progra 2014

*Systematic scoping review and meta analysis of end-of-life decision making tools and strategies*  
Knowledge Synthesis Grant Progra 2014

**Principal Investigators:**

Daren Heyland, MD, MSc, Queen's University /Kingston General Hospital  
Dev Jayaraman, MD, MPH, The Research Institute of the McGill University Health Centre  
Jessica Simon, MBChB, University of Calgary  
John You, MD, MSc, McMaster University

**Fellow:**

Reza Rizvi, BAsC, MASc, PhD candidate

**Supervisor:**

Tilak Dutta, PhD, University Health Network (Toronto Rehabilitation Institute)

**Fellow:**

Laura Tamblyn Watts, LLB, SJD (in progress)

**Supervisor:**

Lynn McDonald, PhD, University of Toronto

**Fellow:**

Kimberley Wilson, PhD candidate

**Supervisor:**

Carla Rice, PhD, University of Guelph

**Principal Investigator:**

Lynn McDonald, BA, MSW, PhD, University of Toronto

**Principal Investigator:**

John You, MD, MSc, FRCPC, McMaster University

## Improving clinical outcomes

Research in the areas of: 1) improving and maintaining function in the frail elderly, 2) restoring function and improving outcomes in the acutely ill elderly, 3) quality indicators for the care of the sick elderly at the individual, institutional and system levels, 4) appropriate use of technology in the treatment of the seriously ill, elderly patients, and 5) improving end-of-life care..

*Practices in End-of-Life Care and in Discontinuing Mechanical Ventilation in Elderly Critically Ill Patients: A Nested Study within an International Observational Study*  
Core Research Program 2012

**Principal Investigator:**

Karen Burns, MD, MSc, FRCPC, St. Michael's Hospital

**Co-Investigators:**

Deborah Cook, MD, MSc, McMaster University

Peter Dodek, MD, MHSc, St. Paul's Hospital

Maureen O. Meade, MD, MSc, McMaster University



*Probiotics: Prevention of Severe Pneumonia and Endotracheal Colonization Trial: A Feasibility Pilot Trial (PROSPECT)*  
Core Research Program 2012

**Principal Investigator:**  
Deborah Cook, MD, FRCPC, MSc(Epid), CRC, CAHS, FRS, McMaster University  
**Co-Investigators:**  
Daren Heyland, MD, MSc, FRCPC, Kingston General Hospital, Queen's University  
Jennie Johnston, MD, McMaster University  
François Lauzier, MD, MSc, L'Enfant Jesus Hospital, Université Laval  
John Marshall, MD, St. Michael's Hospital/ University of Toronto  
Maureen O. Meade, MD, MSc, Hamilton Health Sciences, McMaster University  
Paul Wischmeyer, MD, BSc, University of Colorado Hospital, University of Colorado

*A National Comparison of Intensity of End-of-Life Care in Canada: Defining Changing Patterns, Risk Factors and Targets for Intervention*  
Core Research Program 2012

**Principal Investigator:**  
Robert Fowler, MD, MSc, Sunnybrook Research Institute, Toronto  
**Co-Investigators:**  
Daren Heyland, MD, MSc, Kingston General Hospital  
Jean-François Kozak, PhD, Providence Health, Vancouver  
Ken Rockwood, MD, Dalhousie University

*Sex differences in admission to intensive care units: the role of social support factors*  
Core Research Program 2012

**Principal Investigators:**  
Allan Garland, MD, MA, BSc, University of Manitoba  
Clare Ramsey, MD, MSc, FRCPC, University of Manitoba  
**Co-Investigators:**  
Peter Dodek, MD, MSc, St. Paul's Hospital, Vancouver  
Malcolm Doupe, PhD, MSc, BPEd, University of Manitoba  
Robert Fowler, MD, MSc, Sunnybrook Research Institute, Toronto  
Randy Fransoo, PhD, University of Manitoba  
Jean-François Kozak, PhD, Providence Health, Vancouver  
Hubert Wong, PhD, Providence Health, Vancouver

*OPTIMAL Selection for and Timing to Start Renal Replacement in Critically Ill Older Patients with Acute Kidney Injury (OPTIMAL-AKI)*  
Core Research Program 2012

**Principal Investigators:**  
Sean Bagshaw, MD, MSc, FRCPC, University of Alberta  
Ron Wald, MDCM, MPH, FRCPC, St. Michael's Hospital  
**Co-Investigators:**  
Neill Adhikari, MDCM, MSc, FRCPC, Sunnybrook Medical Centre  
Karen Burns, MD, MSc, FRCPC, St. Michael's Hospital  
Jan Friedrich, MD, MSc, DPhil, FRCPC, St. Michael's Hospital

*A Knowledge Translation Project on Benchmark End-of Life Care Practices for the Elderly in Primary Care*  
Core Research Program 2012

**Principal Investigators:**  
Doris Barwich, MD, previously of Fraser Health Authority  
Francis Lau, PhD, MBA, MSc, University of Victoria  
**Co-Investigators:**  
Neil Hilliard, MD, Fraser Health Authority  
Bruce Hobson, MD, Private Practice, Powell River  
Morgan Price, MD, PhD, CCFP, University of British Columbia

*Antipsychotics for management of delirium: a systemic review*  
Knowledge Synthesis Grant Program 2013

**Principal Investigator:**  
Lisa Burry, BScPhm, PharmD, Mount Sinai Hospital

*Patient- and family-reported experience and outcome measures for elderly acute care patients: a knowledge synthesis*  
Knowledge Synthesis Grant Program 2013

**Principal Investigator:**  
Richard Sawatzky, PhD, MSc, BSc, RN, Trinity Western University

*Post-discharge rehabilitation interventions for older adults with cognitive impairment following a hip fracture*  
Knowledge Synthesis Grant Program 2013

**Principal Investigators:**  
Katherine McGilton, PhD, RN, Toronto Rehabilitation Institute/  
University Health Network  
Paula van Wyk, PhD, University of Windsor

*Hip fracture quality indicators: a scoping review*  
Knowledge Synthesis Grant Program 2013

**Principal Investigator:**  
Susan Jaglal, PhD, MSc, BSc, Toronto Rehabilitation Institution/  
University Health Network

*Palliative approach and quality of life outcomes in care for elderly Chinese patients and families*  
Interdisciplinary Fellowship Program 2013

**Fellow:**  
Joyce Lee, MA, MC, PhD student  
**Supervisor:**  
Richard Sawatzky, PhD, RN, Trinity Western University

*Using Patient-Reported Outcome Measures to Inform the Care of Seriously Ill Older Adults: Guidelines Development*  
Interdisciplinary Fellowship Program 2013

**Fellow:**  
Eric Chan, PhD, MA, BA  
**Supervisor:**  
Richard Sawatzky, PhD, RN, Trinity Western University

*Improving outcomes for frail seniors: impact of ASILA Program for long-term care staff*  
Catalyst Grant Program 2013

**Principal Investigator:**  
Veronique Boscart, PhD, MEd, MScN, RN, Conestoga College  
Institute of Technology and Advanced Learning

*Screening Elderly patients for Inclusion in a weaning trial: the SENIOR trial*  
Catalyst Grant Program 2013

**Principal Investigator:**  
Karen Burns, MD, FRCPC, MSc, St. Michael's Hospital

*Nutrition care pathway for hospitalized older adults: content validation and feasibility testing*  
Catalyst Grant Program 2013

**Principal Investigator:**  
Heather Keller, PhD, RD, FDC, University of Waterloo

*The PREHAB Study: pre-operative rehabilitation for reduction of hospitalization after coronary bypass and valvular surgery*  
Core Research Program 2012

**Principal Investigator:**  
Rakesh Arora, MD, PhD, University of Manitoba/  
St. Boniface Hospital

*Development of an intervention to enhance evidence uptake in managing depression in long-term care*  
Interdisciplinary Fellowship Program 2014

**Fellow:**  
Elizabeth Dogherty, RN, PhD  
**Supervisor:**  
Carole Estabrooks, RN, PhD, University of Alberta

*Evaluation of reminiscence therapy via telehealth videoconferencing for informal caregivers of persons with dementia*  
Interdisciplinary Fellowship Program 2014

**Fellow:**  
Richard Joseph Enright, PhD student  
**Supervisor:**  
Megan O'Connell, BA, MA, PhD, R.D. Psych.,  
University of Saskatchewan

*A mindfulness intervention in long-term care for frail elderly, families and formal caregivers*  
Interdisciplinary Fellowship Program 2014

**Fellow:**  
Lana Ozen, PhD  
**Supervisor:**  
Michel Bédard, PhD, Lakehead University

*Rehabilitation for the seriously ill elderly: models of care and quality indicators*  
Knowledge Synthesis Grant Program 2014

**Principal Investigator:**  
Lora Giangregorio, PhD, University of Waterloo



## Improving care across the continuum

Research in the areas of: 1) provision of care in the most appropriate setting, 2) ensuring successful transitions of care, 3) development of aids and innovative methods to manage a patient and family's voyage through the system, 4) enhancing communication between health care professionals in different care settings, and 5) health system level change.



*Assessing quality-of-life measures for elderly traumatic brain injury survivors: a systemic review*

Knowledge Synthesis Grant Program 2013

*A scoping review determining the current and future role of occupational therapy in the ICU*

Knowledge Synthesis Grant Program 2013

*Evaluating the Palliative Performance Scale for the Long-Term Care Home Setting*

Interdisciplinary Fellowship Program 2013

*Technology-enabled Interprofessional Comprehensive Geriatric Assessment and Intervention – Bringing Specialized Geriatric Services Closer to Home*

Interdisciplinary Fellowship Program 2013

*Home-based rehabilitation for the frail elderly: Implications for rehospitalisation, clinical practice and quality of life*

Interdisciplinary Fellowship Program 2013

*Development and testing of a standardized communication form to improve transitions for nursing home residents*

Catalyst Grant Program 2013

*Reengineering the discharge of elderly patients from intensive care*

Core Research Program 2013

*Interdisciplinary end-of-life care education using high fidelity simulation in long-term care*

Interdisciplinary Fellowship Program 2014

### **Principal Investigator:**

Donna Ouchterlony, MD, St. Michael's Hospital

### **Principal Investigators:**

Susan Baptiste, MSc, OT(C), McMaster University

Michelle Kho, PhD, PT, McMaster University

### **Fellow:**

Abigail Wickson-Griffiths, MN, BScN, RN, PhD student

### **Supervisor:**

Sharon Kaasalainen, PhD, MSc, BScN, RN, McMaster University

### **Fellow:**

Kelly Kay, MA

### **Supervisor:**

Brenda Gamble, PhD, University of Ontario  
Institute of Technology

### **Fellow:**

Christine Knott, PhD, MSc, BA

### **Supervisor:**

Mary Ann McColl, PhD, MTS, MHSc, BSc (OT),  
Queen's University

### **Principal Investigator:**

Greta Cummings, PhD, RN, FCAHS, University of Alberta

### **Principal Investigators:**

Sean Bagshaw, MD, MSc, FRCPC, University of Alberta

Peter Dodek, MD, MHSc, University of British Columbia

Alan Forster, MD, FRCPC, MSc, Ottawa Hospital  
Research Institute

François Lamontagne, MD, MSc, Université de Sherbrooke

Henry Stelfox, BMSc, MD, PhD, University of Calgary

Alexis Turgeon, MD, MSc, Laval University

### **Fellow:**

Katherine Kortess-Miller, HBMT, MSW, PhD candidate

### **Supervisor:**

Mary Lou Kelley, MSW, PhD, Lakehead University

# Training



## Training the next generation to be better than their teachers

In 2013–14 the TVN’s training program reached full stride. The skill levels, imaginations and quality of Canada’s next generation of highly qualified personnel (HQP) is being enhanced because of TVN’s \$1.7 million commitment to its Interdisciplinary Training Program. The goal is to produce a generation of practitioners that have the broadest possible perspective – to be even more skilled than their teachers.

The **TVN Interdisciplinary Training Program** is unique in Canada. It goes beyond traditional academic and clinical training opportunities within disciplines, offering enriched experiential learning based on the concept of interdisciplinary collaboration. Trainees work through modules with

faculty guidance and mentorship from different disciplines and sectors, and patients and their families, sharing and collaborating with other trainees.

Currently TVN has over 100 trainees that come from medicine, nursing, rehabilitation and bio-medical sciences, nutrition, engineering, law, social work and theology. They have been or are engaged in a broad spectrum of innovative work, such as: developing hi-tech non-slip footwear, using high-fidelity simulation to augment and accelerate skill development, using digital storytelling and documentaries to improve the understanding of aging, fitness regimes, and evaluating the impact of our legal and policy framework on caregivers.

## TVN Training Opportunities

1. Each **Network-funded research or knowledge translation project** includes HQP trainees who are directly involved in the research component of the funded project, and who also participate in selected components of the TVN Interdisciplinary Training Program depending on the length of the funded project.
2. The **TVN Interdisciplinary Fellowship Program** is a two-year program where Fellows conduct personal research projects, and complete all eight modules of the Training Program.
3. TVN also offers **Summer Student Awards** for undergraduate students who work on personal research projects, or a project of their supervisors, and who also participate in selected components of the Training Program.



In the first full year of HQP programming the students, academic supervisors and interdisciplinary and patient family mentors are seeing exciting potential via the cross-pollination of professional and academic knowledge exchanged as a part of every student or fellow's experience.



*“TVN’s Fellowship program is very challenging but it is extremely beneficial to my development as a researcher, academic and healthcare advocate. The variety of experiences that I have been afforded is allowing me to grow professionally. The interdisciplinary networking connections I am making will benefit my future career goals and allow me to continue to do research that benefits seriously ill older adults in Canada.”*

— Shannon Cunningham

*“The TVN Interdisciplinary Fellowship program has so far provided me with an unprecedented learning experience and great value for research within the context of knowledge translation.”*

— Ayah Nayfeh

*“I discovered the value and importance of having an interdisciplinary team in today’s research work, especially involving both academics (who focus on theory) and non-academics (who focus on putting research into practice...I really appreciate the support by TVN.”*

— Eric Chan

## A flexible approach

The TVN Interdisciplinary Training Program consists of eight modules. Participants complete from three to eight modules structured to suit the length and breadth of their participation. Key to learning and experience within the Training Program are the opportunities for collaboration and interaction online through a state-of-the-art Learning Management System (LMS) which provides online modules and opportunities to interact with colleagues, disciplinary and interdisciplinary data, and diagnostic tools.

Trainees at all levels start with an **Online Orientation to TVN**, where they participate in self-directed online modules using the LMS.

All trainees also participate in three separate **Mentorships**

involving interdisciplinary colleagues, patients and their families and support system (PFSS), and peers. Of particular importance and focus is the interaction with patients and their support systems. Trainees will not only gain an understanding of PFSS needs, expectations and concerns, but will develop and refine the skills necessary in translating these and incorporating them in clinical decision making.

Exposure to seasoned researchers and health care professionals at **Network Meetings** reinforces the mentorship aspects of the Program.

And, of course, trainees at all levels work on research projects with their supervisors at their home institutions.

For those that participate under 18 to 24-month TVN funded projects, or in a 24-month TVN Fellowship, additional components challenge fellows to collaboratively overcome complex and multifaceted barriers to care for patients, families and caregivers. The Program



emphasizes the acquisition and application of knowledge and skills across all stages of research, and the completion of academic products. Under the direction of their supervisors and mentors, trainees will complete at least two **Academic Products** involving knowledge mobilization efforts. Based on the background and experience of the trainees and their research projects, custom-designed training opportunities may also occur based on **Trainee Driven Requirements**.

For trainees participating in 24-month Fellowships, three additional unique components enrich their experience:

**Online collaborative projects** facilitate interprofessional collaboration for Fellowship trainees through multi-sectoral and multidisciplinary learning by enabling interactions. The goal is to cross pollinate research, knowledge translation (KT), policy and mobilization efforts across disciplines and prepare professionals with the proclivity and skills to make ethical and equitable interdisciplinary decisions about practice, policy, prevention and advocacy with regard to care for the seriously ill elderly.

Working towards a goal of becoming early career independent investigators upon completion of the Program, Fellows receive training in writing and **Pre-Grant Submission**, producing a grant proposal for funding and going through pre-submission review.

Fellows are also required to participate in at least one, and up to two, **External Placements** in a sector and/or discipline in which the fellow has not been previously engaged, with reports or projects required at completion.

## TVN Interdisciplinary Fellows, Summer Students and their Supervisors

*TVN has now funded two cohorts each of Interdisciplinary Fellows and Summer Students: 36 trainees hosted at 17 institutions, and supervised by 30 network investigators (as of the date of release).*

### **Lakehead University**

Daphne Haggarty (Supervisor: Ian Newhouse) – Summer Student Award 2013

Katherine Kortez-Miller (Supervisor: Mary Lou Kelley) – Interdisciplinary Fellowship 2014

Lana Ozen (Supervisor: Michel Bédard) – Interdisciplinary Fellowship 2014

### **McMaster University**

Melissa Shears (Supervisor: Michelle Kho) – Summer Student Award 2014

Abigail Wickson-Griffiths (Supervisor: Sharon Kaasalainen) – Interdisciplinary Fellowship 2013

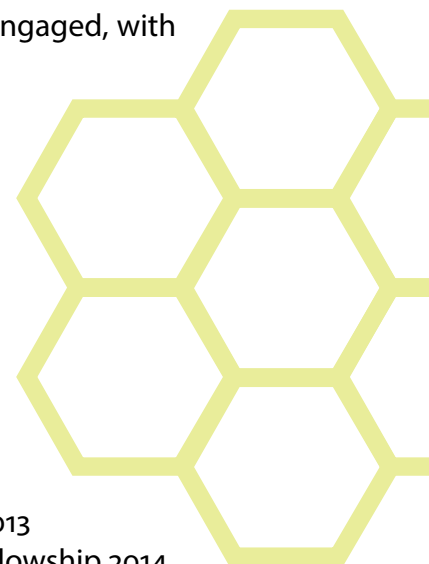
### **Mount Sinai Hospital**

Ksenia Chezar (Supervisor: Christine Soong) – Summer Student Award 2014

Brittany Marinelli (Supervisor: Sangeeta Mehata) – Summer Student Award 2013

Cassandra Turchet (Supervisor: Lisa Burry) – Summer Student Award 2014

Kathleen Wheeler (Supervisor: Sangeeta Mehta) – Summer Student Award 2014



**Queen's University**

Heather Johnson (Supervisor: John Muscedere) – Summer Student Award 2013  
Christine Knott (Supervisor: Mary Ann McColl) – Interdisciplinary Fellowship 2013  
Ryan Pardy (Supervisor: Hélène Ouellette-Kuntz) – Summer Student Award 2014  
Simon Parlow (Supervisor: Ana Johnson) – Summer Student Award 2013  
Kaylin Woods (Supervisor: John Muscedere) – Summer Student Award 2014

**Simon Fraser University**

Laura Booi (Supervisor: Andrew Sixsmith) – Interdisciplinary Fellowship 2014

**Sunnybrook Research Institute**

Tomas Saun (Supervisor: Shelly Dev) – Summer Student Award 2013

**Trinity Western University**

William Harding (Supervisor: Richard Sawatzky) – Summer Student Award 2013  
Eric Chan (Supervisor: Richard Sawatzky) – Interdisciplinary Fellowship 2013  
Joyce Lee (Supervisor: Richard Sawatzky) – Interdisciplinary Fellowship 2013

**University Health Network (Toronto Rehabilitation Institute)**

Reza Rizvi (Supervisor: Tilak Dutta) – Interdisciplinary Fellowship 2014

**University of Alberta**

Shannon Cunningham (Supervisor: Sara Davison) – Interdisciplinary Fellowship 2013  
Elizabeth Dogherty (Supervisor: Carole Estabrooks) – Interdisciplinary Fellowship 2014  
Samantha Kuchera (Supervisor: Wendy Duggleby) – Summer Student Award 2014  
Madison Riddell (Supervisor: Jayna Holroyd-Leduc) – Summer Student Award 2014

**University of Guelph**

Kimberley Wilson (Supervisor: Carla Rice) – Interdisciplinary Fellowship 2014

**University of Manitoba**

Ryan Henrie (Supervisor: Anand Kumar) – Summer Student Award 2013

**University of Ontario Institute of Technology**

Kelly Kay (Supervisor: Brenda Gamble) – Interdisciplinary Fellowship 2013

**University of Ottawa**

Jamal Alkadri (Supervisor: Jeffrey Jutai) – Summer Student Award 2013  
Patrique Bégin (Supervisor: Jeffrey Jutai) – Summer Student Award 2013  
Jasmine Mah (Supervisor: Jeffrey Jutai) – Summer Student Award 2013  
Ayah Nayfeh (Supervisor: Isabelle Marcoux) – Interdisciplinary Fellowship 2013

**University of Saskatchewan**

Joseph Enright (Supervisor: Megan O'Connell) – Interdisciplinary Fellowship 2014

**University of Toronto**

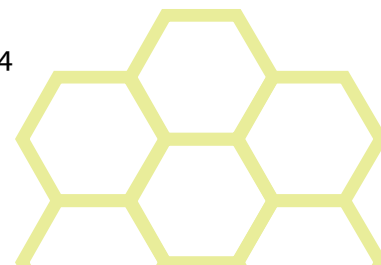
Laura Tamblyn Watts (Supervisor: Lynn McDonald) – Interdisciplinary Fellowship 2014

**University of Victoria**

Anna Jeznach (Supervisor: Holly Tuokko) – Interdisciplinary Fellowship 2013  
Richelle Stanley (Supervisor: Debra Sheets) – Interdisciplinary Fellowship 2014

**Western University**

Tina Felfeli (Supervisor: Robert Petrella) – Summer Student Award 2014



# Networking and collaboration



## TVN by the numbers

Principal investigators and co-investigators on TVN funded projects **increased from 29 to 149** in 2013–14, **17** different disciplines, **16** different medical specialties



**100 attendees**

at TVN's first Annual Meeting and Conference in September 2013

**10 funding competitions**

held in 2013–14 that will disburse **\$10,000,000 in funds**



TVN HQP program - **more than 100** Highly Qualified Personnel from **23 disciplines** trained or in training in 2013–14



TVN invested **\$1.7 million** in the 2013–14 *summer student and fellowship programs*

TVN research projects funded in 2013–14 **allocated \$2,900,000** to support HQP

**137** organizations participate with TVN:

**41** universities, **11** federal provincial departments and agencies, **5** industry partners, **80** associations, hospitals, community organizations and foundations



## Expanding our network of partners

TVN began the year with a network planning meeting building on information garnered from a series of nation-wide stakeholder engagement meetings to inform the strategic plan. The data from the sessions and a follow-up survey helped the Board to crystalize our strategic priorities. Equally important this work has strengthened collaboration with individuals and key organizations across Canada

Targeted meetings were held with key professional associations and not-for profit and community organizations to explore partnership opportunities. This led to TVN co-hosting a series of five workshops with the CIHR Institute of Aging to inform TVN research activity and the Institute's Late Life strategic initiative, and to co-authoring an article for the Canadian Journal of Aging.

Dr. Richard Birtwhistle, TVN Interim Scientific Director appeared before House of Commons Standing Committee on Health in April 2013 during their study on Technology Innovation in Health Care. The Committee's final report from June 2013 includes excerpts from the evidence given by the Scientific Director.

TVN participated in several conferences as an exhibitor and/or speaker, chief among these the Canadian Home Care Association, Canadian Association on Gerontology and the Canadian Hospice Palliative Care Association conferences.

The Network is also working with the Quality End-of-Life Care Coalition (made up of over 30 national not for profits who have an interest in our population of interest), Canadian Virtual Hospice, the Canadian Hospice Palliative Care Association, Patients Canada, Canadian Nurses Association, the Canadian Medical Association, and the Canadian Home Care Association on joint efforts to meet Network objectives such as the development of an online clearinghouse and the development of a forum on the frail elderly.

The Network continues to develop KT linkages with stakeholder organizations and knowledge users, and is developing a broader citizen/patient engagement strategy. This activity will be a priority in the coming year as research findings from TVN funded projects will be available in the spring of 2015.

## Network Member Institutions

*The following organizations have entered into a Network Agreement with TVN. (as of date of release)*

Conestoga College Institute of Technology and Advanced Learning	Research Institute of the McGill University Health Centre	University of Manitoba
Dalhousie University	Simon Fraser University	University of Ontario Institute for Technology
Fraser Health Authority	St. Michael's Hospital	University of Ottawa
Jewish General Hospital	Sunnybrook Research Institute	University of Saskatchewan
Lakehead University	Trinity Western University	University of Toronto
Laval University	Université de Sherbrooke	University of Victoria
McMaster University	University Health Network	University of Waterloo
Mount Sinai Hospital	University of Alberta	University of Windsor
Ottawa Hospital Research Institute	University of British Columbia	Western University
Queen's University	University of Calgary	
	University of Guelph	

## Network Investigators on funded research projects

*From six research competitions, TVN has now funded 32 projects with 41 Principal Investigators at 21 Host Institutions. (as of date of release)*

<b>Conestoga College Institute of Technology and Advanced Learning</b> Veronique Boscart	<b>Simon Fraser University</b> Brian de Vries Gloria Gutman	<b>University of British Columbia</b> Doris Barwich Peter Dodek
<b>Jewish General Hospital</b> Robin Cohen	<b>St. Michael's Hospital</b> Karen Burns Donna Ouchterlony Ron Wald	<b>University of Calgary</b> Jessica Simon Henry Stelfox
<b>Laval University</b> France Légaré Alexis Turgeon	<b>Sunnybrook Research Institute</b> Robert Fowler	<b>University of Manitoba</b> Rakesh Arora Allan Garland Clare Ramsey
<b>McMaster University</b> Susan Baptiste Deborah Cook Michelle Howard Michelle Kho John You	<b>Trinity Western University</b> Richard Sawatzky	<b>University of Toronto</b> Goldie Nejat Lynn McDonald
<b>Mount Sinai Hospital</b> Lisa Burry	<b>Université de Sherbrooke</b> François Lamontagne	<b>University of Victoria</b> Francis Lau Kelli Stajduhar
<b>Ottawa Hospital Research Institute</b> Alan Forster	<b>University Health Network</b> James Downar (Toronto General Hospital) Susan Jaglal (Toronto Rehabilitation Institute)	<b>University of Waterloo</b> Lora Giangregorio Heather Keller Paul Stolee
<b>Queen's University</b> Daren Heyland John Muscedere	<b>University of Alberta</b> Sean Bagshaw Greta Cummings Doug Klein	
<b>The Research Institute of the McGill University Health Centre</b> Dev Jayaraman		

# Committees

To guide, manage and monitor its research and other programs, the TVN Board of Directors relies on its advisory Research Management Committee (RMC). Other advisory committees provide input to the Board through the Scientific Director. Committee membership reflects the multisectoral and multidisciplinary nature of TVN activities, and we thank these volunteers for their commitment, time and talent. (Current members as of date of release, unless otherwise noted)

## Research and Management Committee

Dr. John Muscedere  
TVN Scientific Director, Chair

Josef Amann

Dr. Arlene Bierman

Dr. Rob Fowler

Dr. Leah Gramlich

Dr. Gloria Gutman

Dr. Jayna Holroyd-Leduc  
(Chair, Knowledge Translation  
Committee)

Alies Maybee

Dr. Ruth Martin-Misener

Dr. Daryl Pullman

Dr. Duncan Robertson

Dr. Art Slutsky (Chair,  
Scientific Review  
Committee)

Dr. Denise Stockley (Chair,  
Education and Training  
Committee)

Dr. Josie Visentini

Dr. Stephanie Michaud,  
NCE Observer (non-voting)

Carol Barrie,  
TVN Executive Director  
(non-voting)

Dr. Perry Kim,  
TVN Research Manager  
(non-voting)

Jackie St. Pierre, TVN  
Partnerships & Development  
Manager (non-voting)

## Scientific Review Committee

Dr. Art Slutsky, Chair

Dr. Sean Bagshaw

Dr. Eddy Fan

Dr. Allan Garland

Dr. Richard Hall

Dr. Grace Johnston

Dr. Jean-François Kozak

Dr. John Muscedere

Dr. Tom Stelfox

Dr. Stephanie Michaud,  
NCE Observer (non-voting)

Carol Barrie,  
TVN Executive Director  
(non-voting)

Dr. Perry Kim,  
TVN Research Manager  
(non-voting)

## Education and Training Committee

Dr. Denise Stockley (Chair)

Dr. Lana Bistriz

Dr. Paula Chidwick

Dr. Kathryn Downer

Dr. Michelle Gibson (until January 2014)

Dr. Ana Johnson

Dr. Jennifer Kryworuchko

Dr. Marg McKee

Dr. Aaron McKim

Dr. Valencia Remple (until April 2014)

Dr. Patricia (Pat) Strachan

Dr. Klodiana Kolomitro (non-voting)

Carol Barrie, TVN Executive Director  
(non-voting)

## Knowledge Translation (KT) Committee

Dr. Jayna Holroyd-Leduc (Chair)

Dr. Doris Barwich

Carlota Basualdo-Hammond

Sharon Baxter

Dr. Carole Estabrooks

Dr. Margaret Harrison (until April 2014)

Faye Martin (until June 2014)

Dr. Paige Moorhouse

Dr. Paddy Rodney

Dr. Tasnim Sinuff (until February 2014)

Carol Barrie,  
TVN Executive Director (non-voting)

Dr. Perry Kim,  
TVN Research Manager (non-voting)

Jackie St. Pierre, TVN Partnerships &  
Development Manager (non-voting)

## 2013–14 Scientific Reviewers

*In addition to TVN Committee Members, the following volunteers served as scientific reviewers for research proposals submitted to TVN during 2013–14, and we thank them for their contributions.*

Shawn Aaron	Barbara Downe-Wamboldt	Frank Knoefel	Morgan Price
Sandeep Aggarwal	Francine Ducharme	Sunil Kripalani	Cynthia Putnam
Gavin Andrews	Marie Edwards	Ariella Lang	Stephen Robinovitch
Jose Arocha	James Elder	Francis Lau	Graeme Rocker
Wendy Austin	Charles Emlet	Gordon Laurie	Gary Rodin
Anthony Back	Marcel Emond	France Légaré	Frank Rudzicz
Simon Bacon	Mary Jane Esplen	Robert Levitan	Frank Russo
Ladan Baghai-Ravary	Carole Estabrooks	Lewis A. Lipsitz	David Ryan
Dorothy Baker	Pamela Fancey	Max Little	Ellen Ryan
Jennifer Barton	Deb Feldman-Stewart	Guangjun Liu	Jon A. Sanford
Roger Bemelmans	Sidney Fels	Karen Lorimer	Rick Sawatzky
Andrea Bezjak	Niall Ferguson	Judy Lowthian	Damon Scales
Mohit Bhutani	Geoff Fernie	Stefan Lundberg	Ted Selker
Twylla Bird-Gayson	W. Ward Flemons	Marilyn Macdonald	Takanori Shibata
Veronique Boscart	Martin Fortin	Sapna Mahajan	Thomas Similowski
Ivy Bourgeault	Robert Fowler	Jo Rycroft Malone	Jessica Simon
Kevin Brazil	Liana Fraenkel	Maureen Markle-Reid	Marjorie Skubic
John Bryson	Karen Fredriken-Goldsen	Richard Martin	Trevor Smith
Norman Buckley	Susan Freter	Dan Matlock	Tom Stelfox
Tracey Bucknall	Karen Fruetel	Lynn McCleary	Paul Stolee
Fred Burge	Brook Galna	Deana McDonagh	Sharon Straus
Keri Byrne	Brenda Gamble	Janet McElhaney	Neville Suskin
Joy Calkin	Carol Geary	Katherine McGilton	Glendon Tait
Alberto Cambrosio	Gordon Giddings	Margaret McGregor	Keri Thomas
Jill Cameron	Sudeep Gill	Debby McQuillen	Anthea Tinker
Rob Campbell	Joy Goodman-Deane	Maureen Meade	Michael Tousignant
Shannon Carson	Donna Goodridge	Sangeeta Mehta	John Tsotsos
Peter Chan	Katherine Gray-Donald	Gail Mitchell	Josée Verdon
Martin Chasen	Michelle Greiver	Ross Mitchell	Jesus Villar
Mary Chiu	Eva Grunfeld	Anita Molzahn	Vivian Vimarlund
Denise Cloutier	Jeannie Haggerty	Elaine Mordoch	Deborah White
Robin Cohen	Margaret Harrison	R. Sean Morrison	Doug White
Cheryl Cott	Gillian Hawker	Louise Nasmith	Scott Wilber
Dominic Covvey	Paul Hernandez	Stefano Nava	Camilla Wong
Fabio Cozman	Margaret Herridge	Mary D. Naylor	Roger Wong
Greta Cummings	John Hoffer	Colleen Norris	Sabrina Wong
J. Randall Curtis	Faustina Hwang	Belinda Parke	Tricia K.W. Woo
Tamara J. Daly	Jack Iwashyna	Chris Patterson	Hannah Wunsch
Aileen Davis	Grace Johnston	Helene Payette	John You
Martin Dawes	Jeffrey Jutai	Margaret Penning	Yana Yunusova
Karen Detering	Sharon Kaasalainen	Jose Pereira	Andre Zaccarin
Laura Diachun	Janice Keefe	David Plant	Julian Zhu
Peter Dodek	Sean Keenan	Jan Polgar	

# Partners

The following organizations have provided collaborators, knowledge users and/or financial or in-kind contributions to TVN-funded projects, or have provided funding for TVN events and activities during 2013–2014. Patients and their families and support systems have also served as knowledge users or mentors to participants in the TVN Interdisciplinary Training Program, and we thank them for their contributions.

Alberta Health Services  
British Columbia Ministry of Health  
Canadian Bone and Joint  
Canadian Foundation for Health Improvement (CFHI)  
Canadian Society of Hospital Pharmacists  
CIHR Institute of Aging  
Covidien  
Fisher & Paykel Healthcare Canada  
Fraser Health Authority  
GE Healthcare  
GTA Rehab Network (University Health Network)  
Hamilton Health Sciences  
Heart and Stroke Foundation  
ICES (Institute for Clinical Evaluative Sciences)  
i-Health Brands Inc.

Lakeridge Health  
Kingston General Hospital  
Manitoba Government  
McMaster Children’s Hospital  
NUTRIC  
Ontario Ministry of Research and Innovation  
Ontario Ministry of Health and Long-term Care  
Osteoporosis Canada  
Patients Canada  
Physician Information Technology Office of British Columbia  
Providence Healthcare Research Institute  
Queen’s University  
Rx&D, Canada’s Research-based Pharmaceutical Companies

Spectral Diagnostics Inc.  
St. Joseph’s Foundation  
St. Michael’s Hospital  
The Cochrane Collaboration  
The Commonwealth Fund  
The Hospital for Sick Children  
Trinity Western University  
University Health Network  
University of British Columbia  
University of Copenhagen  
University of Toronto  
University of Victoria  
University of Waterloo  
USLouvain, Belgium  
Vancouver Island Health Authority (VIHA)

## Staff (as of July 31, 2014)

Dr. John Muscedere,  
*Scientific Director*  
Carol Barrie,  
*Executive Director and  
Chief Operating Officer*  
Jeremy Boers,  
*Finance and  
Administration Officer*

Kate Cooke,  
*Communication Services*  
LeeAnne Howland,  
*Executive Assistant*  
Dr. Perry Kim,  
*Research Manager*  
Jackie St. Pierre,  
*Partnerships and  
Development Manager*



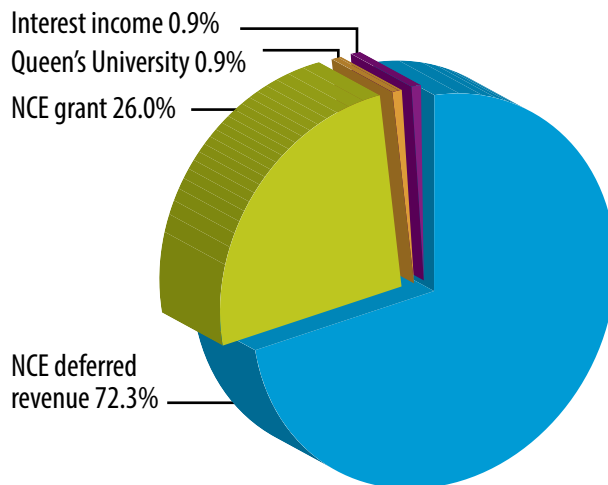
# Financial information: snapshot of year

## Revenues including Deferred Revenue for year ended March 31, 2014

Total revenue including deferred revenue for the fiscal year was \$6,730,693. Revenue was primarily from the Networks of Centres of Excellence (NCE) grant (\$1,749,936), and \$4,863,199 was deferred to support installment payments of the research and training projects approved, which are anywhere from 1- to 3-year projects. Revenue also included \$58,700 from Queen's University (our host institution) and \$58,858 in interest income.

Revenue and Deferred Revenues:	\$	%
NCE deferred revenue	\$4,863,199	72.3%
NCE grant	\$1,749,936	26.0%
Queen's University	\$58,700	0.9%
Interest income	\$58,858	0.9%

## Revenues including Deferred Revenue for year ended March 31, 2014



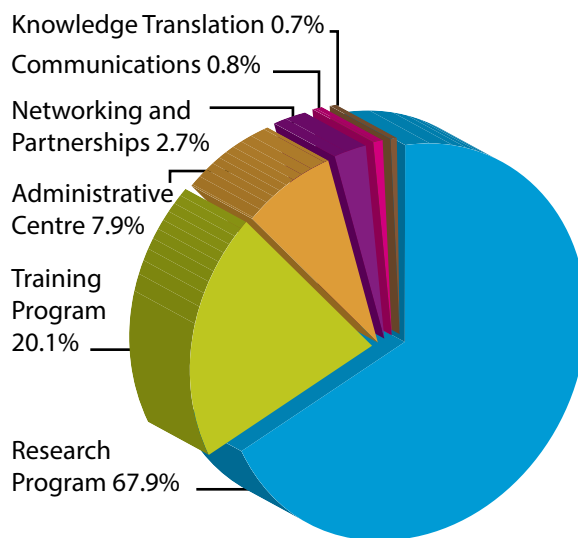
## Expenses and Commitments for year ended March 31, 2014

Total expenses and commitments for the fiscal year were \$8,261,908. This included \$6,373,295 in research and training program commitments extending after this past fiscal (ending March 31, 2014). These funds are to underwrite the 55 projects approved before March 31, 2014 (see “Currently Funded Research” pages 10–15). The balance of expenses for the year was to support a myriad of meetings and

conference calls nationwide, including: networking, protocol development, KT, partnership, HQP program development, stakeholder engagement, and committee and governance meetings. The numbers reported below also include: communications, operations of our administrative centre and all salaries of network management and staff.

<b>Commitments and Expenses:</b>	<b>\$</b>	<b>%</b>
Research Program <i>(including Trainees on research projects)</i>	\$5,606,257	67.9%
Training Program <i>(including Fellows &amp; Summer Students)</i>	\$1,660,000	20.1%
Administrative Centre	\$653,760	7.9%
Networking and Partnerships	\$219,438	2.7%
Communications	\$65,180	0.8%
Knowledge Translation	\$57,273	0.7%

**Expenses and Commitments  
for period ended March 31, 2014**

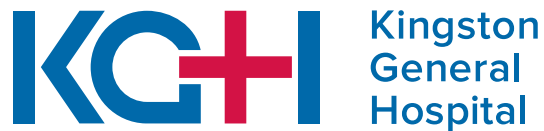


## Thank you to our hosts and supporters:

In addition to hosting TVN, financial and in-kind support for TVN activities and programs has been provided by Queen's University Faculty of Health Sciences and the Office of the Vice-Principal Research, and Kingston General Hospital.



Queen's  
UNIVERSITY





**TVN** Improving care  
for the frail elderly

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