

## IN THIS ISSUE

1. Chair's Message
2. New CCRF Research Professorship
2. New CCRF Research Chair
4. Consortium Workshop
5. Upcoming Events
5. Researcher Profiles
8. Cochrane Library
8. Accolades
9. New Appointments
10. Masters & PhD's

## The CCA Mission Statement

The Mission of The Canadian Chiropractic Association is to help Canadians live healthier lives by:

1. **informing the public of the benefits of Chiropractic,**
2. **promoting the integration of Chiropractic into the health care system,**
3. **facilitating chiropractic research.**

The CCA Research Committee Members

- Dr. Frank Mangoni (NB) - Chair**  
**Dr. Vince Adams (PEI)**  
**Dr. Ken Brough (ON)**  
**Dr. John Corrigan (SK)- Executive Committee liaison**

## Chair's Message – Research culture gaining traction!



Dr. Frank Mangoni DC  
 New Brunswick  
 Chair, CCA Research Committee

Dear Colleagues:

2009 was quite a year for Chiropractic Research!

Earlier this year, Montreal hosted the World Federation of Chiropractic Conference. For the first time in its history, there was standing room only as Canadian Researchers took center stage. They were provided with the opportunity to highlight their work and field questions from the audience. It became an ideal forum to show the world how Chiropractic Research has grown and how our researchers have become leaders in their field.

This year also featured the announcement of two more Chiropractic Research Chairs. There will now be a Chiropractic Research Professorship in Rehabilitation Epidemiology at McGill University and a Chiropractic Research Chair in Neuromusculoskeletal Health at the University of Regina.

I had the distinct pleasure of sitting in the audience during the official announcement at McGill University. Several distinguished faculty members addressed the group including the Vice Principal of Development and Alumni Relations, the Dean of the Faculty of Medicine, the Director of the School of Physical and Occupational Therapy and the Chair of the Department of Epidemiology, Biostatistics and Occupational Health. It was refreshing to listen as they praised our profession's research efforts and spoke about collaborative and current research opportunities.

In October, the Consortial Symposium was held in Montreal after a seven year hiatus. Funding for the event was only possible through a successful CIHR competition and the generous donations of both the CCPA and CCA. The meeting was deemed a great success and there are now plans to have approximately 40 members from different universities across Canada meet at the next Symposium. This should provide them with a great opportunity to network together. The CCA Research Committee felt that it was essential for the Consortial Members to meet every two years and the CCA has now budgeted funds for this event.

The CCA Research Committee is excited about the many advancements made in chiropractic research this year and will work to continue this progress in 2010.

*Dr. Frank Mangoni*

## Canada's Newest Chiropractic Research Professorship in Rehabilitation Epidemiology



The new "McGill CCRF Research Professorship in Rehabilitation Epidemiology" will have its home in the Faculty of Medicine at the prestigious McGill University in Montreal, Quebec. A major focus of the new Professorship will be "Clinical Practice Guideline Development".

The agreement between the CCRF and McGill University provides a start up investment of \$500,000 to establish the Professorship for an initial 5 year period. This CCRF research capacity initiative builds on the current Professorships that CCRF funds with its partners at other universities across Canada.

McGill University is one of Canada's best-known institutions of higher learning and one of the leading research intensive universities with 11 faculties, 300 programs of study, and more than 34,000 students. The University partners with four affiliated teaching hospitals to graduate over 1,000 health care professionals each year. Currently, 163 Canada Research Chairs are allotted to McGill faculty. In 2007-08, McGill had total operating revenues of \$1,074,061,000 dollars. Canada's largest hospital-based research facility is located at the McGill University Health Centre, with more than 500 researchers and clinicians, nearly 1,000 graduate and postdoctoral students, and close to \$100 million research funding.

The Professorship will be announced by the university as soon as it has made its decision.

## Canada's Newest Chiropractic Research Chair in Neuromusculoskeletal Health



The new "University of Regina CCRF Research Chair" will have its home in the Faculty of Kinesiology and Health Studies at the University of Regina in Saskatchewan.

The agreement between the CCRF and the University of Regina provides a start up investment of \$500,000 to establish the Research Chair position. In the 2007-08 fiscal year,

the University's operating budget was \$147 million with an enrolment of more than 14,000 full-time and part-time students. The new multi-million-dollar Research and Innovation Centre will contribute another 150,000 square feet to the almost one million square feet added to the campus since 1995.

The University of Regina has a diverse health research community which provides a natural home for a Chiropractic Research Chair. Collaborative research clusters that will integrate with the Chair include the:

- Dr. Paul Schwann Applied Health and Research Centre, a nationally accredited human performance testing facility which focuses on Exercise Therapy & Workplace Wellness as well as Cardiac Rehabilitation and Chronic Disease/Risk Reduction Programs.
- Falls Prevention Laboratory, funded by CFI, and undertakes epidemiologic and intervention research.
- Neuromechanical Research Centre which conducts research in the areas of Biomechanics, Motor Control, Motor Learning, Balance and Posture, Locomotion and Aging, Sport Medicine, Ergonomics, Orthopaedics, and Electromyography.
- Healthy Aging Laboratory which investigates the reduced quality of life due to the negative effect aging has on strength, cardiovascular function, and functional independence.
- Exercise Physiology Laboratory funded in part by the Saskatchewan Health Research Foundation and CIHR.

The University of Regina has a long standing relationship with different health agencies in Regina and throughout the province. Of particular interest to a Chiropractic Research Chair are the Regina Qu'Appelle Health Region and the Wascana Rehabilitation Centre which provide many opportunities for clinical trials that are essential to any health research.

The Search Committee invites qualified researchers to apply.

<http://www.uregina.ca/hr/careers/academic-positions/AC09-21>

*continued next page...*

## Research Chairs / Professorships



**Dr. Greg Kawchuk DC, PhD**  
 Canada Research Chair in Spinal Function  
 Associate Professor  
 Faculty of Rehabilitation Medicine  
 Spinal Function Laboratory  
 University of Alberta



**Dr. Mark Erwin DC, PhD**  
 CCRF Scientist in Disc Biology  
 Assistant Professor  
 Department of Surgery  
 Faculty of Medicine  
 University of Toronto



**Dr. Jean-Sébastien Blouin DC, PhD**  
 CCRF Professorship in Spine Biomechanics and  
 Human Neurophysiology  
 CCRF/CIHR Chiropractic Research Chair  
 Michael Smith Foundation for Health Research  
 Scholar Award  
 School of Human Kinetics  
 Faculty of Education  
 University of British Columbia



**Dr. Martin Descarreaux  
 DC, PhD**  
 Titulaire de la Chaire de Recherche  
 en Chiropratique FRCQ - Système  
 Platinum  
 Associate Professor  
 Département de Chiropratique  
 Université du Québec à Trois-  
 Rivières



**Dr. Jason Busse DC, PhD**  
 CCRF/CIHR Chiropractic Research  
 Chair  
 Assistant Professor  
 Department of Clinical  
 Epidemiology & Biostatistics  
 Faculty of Health Sciences  
 Institute for Work & Health  
 McMaster University



**Dr. Jill Hayden DC, PhD**  
 CCRF/CIHR Chiropractic Research  
 Chair  
 Assistant Professor  
 Department of Community Health  
 and  
 Epidemiology  
 Faculty of Medicine  
 Dalhousie University



**Dr. John Srbely DC, PhD**  
 CCRF Professorship in Spine Me-  
 chanics and Human  
 Neurophysiology  
 Assistant Professor  
 College of Biological Sciences  
 Department of Human Health and  
 Nutritional Sciences  
 University of Guelph



**Dr. xxxxx DC, PhD**  
 CCRF Professorship in Spine Biomechanics and  
 Neurophysiology  
 Assistant Professor  
 School of Medical Rehabilitation  
 Faculty of Medicine  
 University of Manitoba



**Dr. xxxxx DC, PhD**  
 CCRF Professorship in Rehabilitation  
 Epidemiology  
 Assistant Professor  
 Faculty of Medicine  
 McGill University



**Dr. xxxxx DC, PhD**  
 CCRF Research Chair in Neuromusculoskeletal  
 Health  
 Assistant Professor  
 Faculty of Kinesiology and Health Studies  
 University of Regina



Make a donation!  
[www.CanadaHelps.org](http://www.CanadaHelps.org)  
 Support the Canadian Chiropractic Research Foundation

### UNEQUIVOCALLY A HUGE SUCCESS!

The "CIHR CCRF Workshop to advance the Chiropractic Research Agenda" in Canada took place October 1-2, 2009 in Montreal. Dr. André Bussi eres, Dr. Kent Stuber, and Dr. Allan Gotlib facilitated this tremendous event.

The Workshop was funded by the Canadian Institutes of Health Research (CIHR), the Canadian Chiropractic Research Foundation (CCRF), the Canadian Chiropractic Association and the Canadian Chiropractic Protective Association.

### The Workshop objectives were to:

1. present current innovative, multi-disciplinary state of the art research developments in the chiropractic discipline through a two-day workshop to further refine the Chiropractic Research Agenda
2. increase capacity in the Consortium to strengthen collaborative relationships, foster greater networking opportunities and new research streams, and develop cross disciplinary linkages.
3. establish a strategic plan to transfer new knowledge to health providers, health policy makers and end-users and identify and address the barriers to uptake and implementation.

One of the many purposes of convening this research group was to provide a venue that allowed the researchers to cross disciplines and foster collaboration between a biomechanist, an epidemiologist and also a political scientist for example. How can a neurophysiologist work with a social scientist (like an anthropologist) and a clinical trials methodologist or even a cellular/molecular biologist? Are we too insular? Do we need to be more transdisciplinary and undertake research together to answer some of the pressing health questions or meet the consumer's health needs?

This specific venue provided an opportunity for researchers to set out their individual research interests and build bridges. The 23 researchers, all experts in the respective fields, identified priority areas and gaps for future research activity. The 5 invited *Topic Speakers* helped to frame the forum.

- **Flora Dell** is the past Chair of the CIHR Task Force on Knowledge Exchange (KETF) and a leading Health Consumer Advocate.
- **Erna Snelgrove-Clarke** is the current Chair of the CIHR Knowledge Exchange Task Force and an IMHA Advisory Board member.
- **Jeremy Grimshaw** is the Director of the Cochrane Collaboration, an IHSPR Advisory Board member,

and spearheads Knowledge Translation Canada.

- **Ian Graham** is the CIHR Vice-President, Knowledge Translation
- **Liz Stirling** is the Assistant Director at IMHA.

The knowledge transfer and exchange literature highlights that regular interaction between researchers and decision makers is one of the most effective ways to increase the likelihood that research knowledge will be actually used. The facilitators undertook an innovative approach and arranged for Provincial Association Presidents and their Executive Directors to be in attendance during a part of the Workshop. This rare and innovative approach was designed to enable each group to better understand the contexts of the other and their constraints and hopefully foster collaborative research questions.

The Consortial members are from many universities across Canada and include:

**Dr. Carlo Ammendolia DC, PhD**  
*University of Toronto*

**Dr. Jean-S ebastien Blouin DC, PhD**  
*University of British Columbia*

**Dr. Jean Boucher PhD**  
*Universit e du Qu ebec  a Montr eal*

**Dr. Jason Busse DC, PhD**  
*McMaster University*

**Dr. David Cassidy DC, PhD, Dr. Med.Sc.**  
*University of Toronto*

**Dr. John Church PhD**  
*University of Alberta*

**Dr. Pierre C ot e DC, PhD**  
*University of Toronto*

**Dr. Simon Dagenais DC, PhD**  
*University of Ottawa*

**Dr. Martin Descarreaux DC, PhD**  
*Universit e du Qu ebec  a Trois-Rivi eres*

**Dr. James Dickey PhD**  
*University of Western Ontario*

**Dr. Mark Erwin DC, PhD**  
*University of Toronto*

**Dr. Jill Hayden DC, PhD**  
*Dalhousie University*

**Dr. Walter Herzog PhD**  
*University of Calgary*

**Dr. Gregory Kawchuk DC, PhD**  
*University of Alberta*

*continued next page...*

**Dr. Annalyn Mercado PhD**

*University of Saskatchewan*

**Dr. Bernadette Murphy DC, PhD**

*University of Ontario Institute of Technology*

**Dr. Steven Passmore DC**

*McMaster University*

**Dr. Mathieu Piché DC, PhD**

*Université du Québec à Trois-Rivières*

**Dr. Jeff Quon DC, PhD**

*University of British Columbia*

**Dr. John Srbely DC, PhD**

*University of Guelph*

**Dr. Norman Teasdale PhD**

*Université Laval*

**Dr. Jay Triano DC, PhD**

*CMCC*

**Dr. Gabrielle van der Velde DC, PhD**

*University of Toronto*

The Workshop was followed by a spectacular Reception & Dinner at the McGill Faculty Club, where McGill University formally announced the “CCRF McGill Professorship in Rehabilitation Epidemiology” in the Faculty of Medicine. This new position was recently established at McGill University by the Canadian Chiropractic Research Foundation.

The Master of Ceremony was Mr. Marc Weinstein, Vice-Principal, Development and Alumni Relations, McGill University and presentations were made by Dr. Richard Levin, the Vice-Principal, Health Affairs, McGill University who is also the Dean of the Faculty of Medicine, Dr. Maureen Simmonds, Associate Dean, Faculty of Medicine and Director, School of Physical and Occupational Therapy, Dr. Rebecca Fuhrer, Chair, Department of Epidemiology, Biostatistics and Occupational Health, McGill University and Dr. Allan Gotlib, Canadian Chiropractic Research Foundation.

Presentations were also made by Dr. Richard Valade, Dr. Robert Kitchen and Dr. Ron Brady representing the CCA and CCA/CFCREAB CPG Project respectively.

The Consortial researchers are very busy collaborating on projects and planning is already underway for the next Consortial Research Symposium scheduled for 2011. Stay tuned!

## Upcoming Events/Meetings

**Canadian National Chiropractic Convention**

November 11-13, 2010

at the Sheraton Centre Toronto.

[www.chiroconvention.com](http://www.chiroconvention.com)

## Chiropractic Researcher Profiles



Dr. Carlo Ammendolia DC, PhD  
Assistant Professor  
Department of Health Policy,  
Management and Evaluation  
Faculty of Medicine,  
University of Toronto  
Chiropractor/ Clinical  
Researcher, Department of  
Medicine  
Division of Rheumatology,  
Mount Sinai Hospital  
Associate Scientist, Institute  
for Work & Health, Toronto

Dr. Carlo Ammendolia is a clinical epidemiologist and Associate Scientist for the Institute for Work & Health. He received his PhD in Clinical Evaluative Sciences in 2005 from the University of Toronto. Dr. Ammendolia is an Assistant Professor in the Department of Health Policy, Management and Evaluation at the University of Toronto. He is also a staff clinician in the Department of Medicine at Mount Sinai Hospital in Toronto and the Director of the Chiropractic Spine Clinic at the Rebecca MacDonald Centre for Arthritis and Autoimmune Disease.

His research interests include the development, implementation and evaluation of strategies to narrow the gap between evidence and practice in the management of musculoskeletal disorders. Over the past 10 years he has been doing research in the area of implementation of clinical guidelines for low back pain, developing evidence-based interventions to reduce the risk of disability among injured workers and developing clinical decision support systems for effective decision –making for clinicians treating musculo-skeletal conditions.

In 2009 – 2010, Dr. Ammendolia is undertaking research on the following projects:

*“Healthy and productive workers: designing a multidisciplinary health promotion and wellness program to improve presenteeism at the workplace”.* This project is funded by the Ontario Ministry of Health and Long Term Care and the Ontario Chiropractic Association. As PI, he will be developing a workplace health promotion and wellness program delivered on-site by a multidisciplinary team that includes chiropractors with the goal of achieving and maintaining a healthy and productive workforce.

*“The RTW Planner- developing a step-by step best evidence guide for workplace disability prevention and return-to-work: putting what we know into action II.”* As PI, he will develop a simple and practical guide for workplaces to use to assist them in improving RTW following a workplace injury. (WSIB funded)

*“Non surgical interventions for symptomatic lumbar spinal stenosis: a systematic review”.* As PI, he is reviewing the effectiveness of various treatments for lumbar spinal stenosis including manual therapy. (CCRF funded)

*continued next page...*

“Effectiveness of multi-modal conservative treatment compared to usual care for degenerative lumbar spinal stenosis (DLSS): design of a randomized clinical trial”. This multi-centred project will look at manual therapy in combination with other strategies in reducing pain and improving function in these patients. He is currently planning a feasibility study with several hospitals in the Greater Toronto Area which is partially funded by CCRF.

“Complementary and Alternative Medicine (CAM) II: A systematic review of CAM interventions for back and neck pain”. This research is headed by the Chalmers Research Group of the University of Ottawa. The objective of the project is to review the evidence on effectiveness of the three most commonly used CAM therapies, spinal manipulation/mobilization, acupuncture and massage therapy. Funding for this project is by the Agency for Healthcare Research and Quality in the US. Dr. Ammendolia is the content expert writing the discussion section of the report on manipulation/mobilization for low back pain.



Dr. Bernadette Murphy DC, PhD  
Associate Professor  
Faculty of Health Sciences  
University of Ontario Institute of Technology

Dr. Bernadette A. Murphy graduated from the Canadian Memorial Chiropractic College in 1989 before moving to New Zealand where she completed her MSc (1992) and PhD (1998) in Human Neurophysiology at the University of Auckland. She was a fulltime faculty member in the Department of Sport and Exercise Science from 1999-2007, where she established an MSc in Exercise Rehabilitation. In January 2008, she took up her current position in the Faculty of Health Sciences at UOIT as an Associate Professor at the University of Ontario Institute of Technology (UOIT). She is the Director of the Human Neurophysiology and Rehabilitation Laboratory and heads the Kinesiology stream in the BHSc degree. The overall theme of her research is neural adaptation in humans and the role of physical interventions such as manipulation and exercise in aiding the re-establishment of appropriate neuromuscular connections.

In order to measure altered neural function in humans, she has acquired skills in a number of non-invasive techniques which can be used to measure changes in neural processing and function in humans. These include nerve stimulation, somatosensory evoked potential techniques to measure processing of sensory input by the brain, electromyography to measure electrical activity in muscles, and transcranial magnetic stimulation, which is used to investigate the output of the human motor cortex. Just prior to leaving Auckland, she was funded for the study which used functional magnetic resonance imaging (fMRI) to measure changes in

brain function with exercise. She has supervised 3 PhD and 8 MSc students and she has 29 peer reviewed publications since 2003 in journals such as *Spine*, *Clinical Neurophysiology*, *Experimental Brain Research* and *JMPT*.

Current 2009 publications include:

1. **Murphy BA**, Marshall PW, Haavik Taylor H. (in press) The cervical flexion-relaxation ratio: reproducibility and comparison between chronic neck pain patients and controls. *Spine*.
2. **Murphy BA**, Haavik Taylor H, Marshall PW. (in press) The effect of spinal manipulation on the efficacy of a rehabilitation protocol for patients with chronic neck pain: a pilot study. *Journal of Manipulative and Physiological Therapeutics*.
3. Haavik Taylor H, **Murphy BA**. (in press) Altered central integration of dual somatosensory input following cervical spine manipulation. *Journal of Manipulative and Physiological Therapeutics*.
4. Marshall PW, **Murphy BA**. (in press) Delayed abdominal muscle onsets and self-report measures of pain and disability in chronic low back pain. *Journal of Electromyography and Kinesiology*. doi:10.1016/j.jelekin.2009.09.005
5. Marshall PW, Mannion J, **Murphy BA**. (2009) Extensibility of the hamstrings is best explained by mechanical components of muscle contraction, not behavioral measures in chronic low back pain. *Physical Medicine and Rehabilitation*. doi:10.1016/j.pmrj.2009.04.009
6. Marshall PW, McKee A, **Murphy BA**. (2009) Impaired trunk and ankle stability in subjects with functional ankle instability. *Medicine & Science in Sports & Exercise*. 41(8):1549–1557.
7. Marshall PW, Mannion J. **Murphy BA**. (in press) The eccentric, concentric strength relationship of the hamstring muscles in chronic low back pain. *Journal of Electromyography and Kinesiology*. doi:10.1016/j.jelekin.2009.04.005



Dr. Lori Darroch DC  
Masters candidate  
University of Calgary

Dr. Darroch is undertaking her Masters degree in Medical Education in the Faculty of Medicine at the University of Calgary. She is in the Department of Medical Science and her supervisor is Dr. Tyrone Donnon, Assistant Professor, Medical Education and Research. Her training is funded in part by the Alberta Government Graduate Student Scholarship.

Dr. Darroch's research interests are

*continued next page...*

focused on professionalism/competence of chiropractors, particularly the non-cognitive aspects and also the selection process of chiropractic students. Her thesis project will develop a testing instrument to determine the attitudes and judgement of chiropractors. She plans to defend her thesis in May.



Dr. Caroline Julien DC, MSc

Dr. Caroline Julien recently defended her masters thesis at l'Université du Québec à Trois-Rivières in the Département des sciences de l'activité physique.

Her thesis work was entitled: "*Effects of Developmental Coordination Disorder on rapid arm movement performed in upright stance*" and her supervisors were Dr. Claude Dugas PhD and Dr. Olivier Hue PhD. The goal of this

research study was to quantify the performance of Developmental Coordination Disorder (DCD) children (aged 8 to 10 years old) in a dual task that implied postural control combined with a pointing movement (Fitts' paradigm). The results of her research suggest that DCD imposed constraints on goal directed movements and postural stability.

The research was presented during a Congress in Marseille last summer and in a GRAN's contest (Groupe de recherche en adaptation/réadaptation neuromusculaires). A paper on the subject should also be published shortly.

In years to come, Dr. Julien will pursue teaching, clinical and research interests in pediatrics, obstetrics, rehabilitation, posture and interventions.



Dr. Scott Howitt DC, FCCS(C),  
FCCRS(C)  
Masters candidate  
University of Guelph

Dr. Scott Howitt is undertaking his Masters degree in Human Health and Nutritional Science in the College of Biological Sciences at the University of Guelph. He is in the Department of Human Health and Nutritional Science and his supervisor is Dr. William Bettger, an Associate Professor.

Dr. Howitt's course work has focused on nutrition, exercise, metabolism, and sports performance while his research interests are focused on caloric restriction, particularly how this relates to longevity and the hormesis hypothesis.

Dr. Howitt is also enhancing his teaching competency through his involvement in graduate teaching methods and practices. He plans to complete his program in the summer of 2010.



Dr. Brad Murray, BA, MSc,  
AT, DC  
PhD Program Rehabilitative  
Sciences  
McMaster University

In September 2009, Dr. Brad Murray was accepted into the Doctoral Program in Rehabilitative Sciences at McMaster University in Hamilton, Ontario. Dr. Murray's research interests focus on shoulder injury and his proposed thesis work will investigate the predictive value of glenohumeral internal rotation deficit (GIRD) in shoulder complex pain and dysfunction.

Shoulder injury is very common in the work place. Glenohumeral internal rotation deficit (GIRD) has been

correlated to shoulder pathology in elite overhead athletes in both baseball and tennis, however, similar mechanisms that cause this motor control imbalance are prevalent in many work place tasks and activities of daily living. His research will identify those subjects with microtraumatic overstrain injuries, associated with repetitive tasks, and correlate these findings to shoulder, cervical and thoracic pathology. He hypothesizes that GIRD will increase as severity of microinstability injury increases.

In addition, he has published research in the Journal of Applied Physiology:

"McNeil CJ, Murray BJ, Rice CL. Differential Changes in Muscle Oxygenation Between Voluntary and Stimulated Isometric Fatigue of Human Dorsiflexors. J Appl Physiol. 2006 Mar;100(3):890-5. Epub 2005 Nov 10.

Dr. Murray will undertake his PhD training program under the supervision of Dr. Jay Triano DC, PhD who holds academic appointments at both McMaster University and the Canadian Memorial Chiropractic College. Dr. Triano's biomechanics laboratory is fully equipped for kinematic analysis with optoelectronic and electromagnetic measures as well as electromyography equipment and is using shoulder testing protocols after FIT-HaNSA methods.



Dr. Mathieu Piché DC, PhD  
Assistant Professor  
Université du Québec à Trois-  
Rivières

Dr. Piché graduated in 2002 from the chiropractic doctoral program at Université du Québec à Trois-Rivières. He obtained a Masters degree in Cell Biology and Biophysics from UQTR in 2004 for his work on neural plasticity of sensory systems in rodents. In July 2009, he obtained his PhD in Neurological Sciences from Université de Montréal for his work on endogenous modulation of pain in humans. He is currently an Assistant Professor in the Department of Chiropractic at UQTR

continued next page...

where he teaches neurophysiology. He is a co-researcher for the chiropractic research chair at UQTR and for CIHR funded projects on pain neurophysiology at Université de Montréal. His research interests include the physiology and pathology of endogenous pain modulation and the impact of spinal pain on autonomic regulation in humans and rodents. In 2005, Dr. Piché was awarded a prestigious CIHR Fellowship from the Clinical Research Initiative in the Institute of Gender and Health. One of only six recipients, this 4 year award allowed Dr. Piché to undertake his research on the neurophysiological mechanisms of chronic pain with Dr. Pierre Rainville PhD and Dr. Mickael Bouin MD, PhD at Université de Montréal.

His current publications include:

- 1 Piche M, Cohen-Adad J, Nejad MK, Perlberg V, Xie G, Beaudoin G, Benali H, Rainville P. Characterization of cardiac-related noise in fMRI of the cervical spinal cord. *Magn Reson Imaging*. 2009; 27:300–310.
- 2 Cohen-Adad J, Piche M, Rainville P, Benali H, Rosignol S. Impact of realignment on spinal functional MRI time series. *Conf Proc IEEE Eng Med Biol Soc*. 2007; pp 2126–2129.
- 3 Piché M, Arsenault M, Poitras P, Rainville P, Bouin M. Severity of visceral hyperalgesia is associated somatic hypersensitivity and deficits in pain modulation in patients with irritable bowel syndrome (IBS). *Pain* (2009), accepted for publication.
- 4 Piché M, Arsenault M, Rainville P. Cerebral and cerebrospinal modulatory processes underlying endogenous pain modulation. *Journal of Neuroscience* (2009), accepted for publication.
- 5 Roy M, Piché M, Chen JJ, Peretz I, Rainville P. The impact of emotions on pain physiology. *Proceedings of the National Academy of Science (PNAS)* (2009), accepted for publication.



Dr. Cesar Hincapié DC, MHSc,  
PhD candidate  
University of Toronto

Dr. Cesar A. Hincapié is a PhD candidate in Epidemiology at the Dalla Lana School of Public Health, University of Toronto, and a doctoral trainee in the Division of Health Care and Outcomes Research, at the Toronto Western Research Institute, University Health Network, and a research associate in the Artists' Health Centre Research Program, at the Toronto Western Hospital.

Dr. Hincapié has been awarded the prestigious CIHR Fellowship Award in the Area of Knowledge Translation. The award comes with \$165,000 and

supports his PhD program. The project title is: An epidemiologic assessment of the risk for acute lumbar spine disc herniation from chiropractic care.

In this CIHR Funding Competition, a total of 15 applications were received of which only one was approved for funding.

He holds a Master's degree in Epidemiology from the University of Toronto, where he studied patterns of pain after traffic collisions, investigated work-related low back injury as a risk factor for the onset of troublesome low back pain, and synthesized the literature on the health problems of dancers.

His research interests include musculoskeletal and injury epidemiology. He is currently training with Dr. David Cassidy and Dr. Pierre Côté, at the University Health Network.

## Cochrane Center and Network

All CCA members now have access to the Cochrane Library databases via the CCA website on the member's side.

[www.ccn.cochrane.org](http://www.ccn.cochrane.org) or [www.thecochranelibrary.com](http://www.thecochranelibrary.com)

In addition, three chiropractic organizations provide financial support to the Canadian Cochrane Center at the University of Ottawa:

**Canadian Chiropractic Association**  
**Canadian Chiropractic Protective Association**  
**Canadian Chiropractic Examining Board**

## Accolades

### CCA Young Investigator Award

Dr. André Bussi eres has been named the recipient of the distinguished 2009 CCA Young Investigator Award. In 2008 and 2009 he published two very significant papers in the JCCA entitled:

1. Research consortium workshop III to advance the Canadian Chiropractic Research Agenda. *J Can Chiropr Assoc* 2009; 53(1):7-13.
2. Chiropractic research capacity in Canada in 2008. *J Can Chiropr Assoc* 2009; 53(2):78-86.

In addition, he was the principal investigator of three diagnostic imaging practice guidelines for musculoskeletal complaints in adults. These were published in JMPT and re-

*continued next page...*



cently posted on The National Guideline Clearinghouse™.

Dr. André Bussi eres is a CMCC graduate (1991) and completed a BSc in Nursing in 1987 and an MSc in Kinesiology in 2008. He is a Fellow of the College of Chiropractic Scientists (Canada) and serves as a member of the JCCA Editorial Board and as a peer reviewer to a number of journals. To date he has written over 20 scientific and clinical articles and 3 book chapters.

Currently Dr. Bussi eres is undertaking his PhD training in Population Health at the University of Ottawa and is supported by an admission scholarship. His supervisor is Dr. Jeremy Grimshaw who is the Director of the Canadian Cochrane Network and Center and also a Canada Research Chair in Knowledge Transfer.

His PhD research thesis focuses on Knowledge Transfer and Exchange (KTE) of clinical practice guidelines and the overall goal of his thesis project is to establish a scientific rationale for interventions to translate research findings into clinical practice.

In addition, he recently won two international prizes, from the European Chiropractic Union (ECU) and the Association of Chiropractic Colleges Educational Conference (ACC-RAC), National Board of Chiropractic Examiners, for his paper entitled:

*“Diagnostic imaging guidelines implementation study: A randomized trial with postal follow-ups”.*

Dr. Bussi eres has made very significant contributions to the chiropractic community during the past several years. His extraordinary dedication to advancing the profession and his leadership skills will bring tremendous benefit to the profession in the coming years.

#### **Congratulations to Dr. Bussi eres!**



Dr. Greg Kawchuk DC, PhD  
Canada Research Chair in  
Spinal Function  
Associate Professor  
Faculty of Rehabilitation  
Medicine  
University of Alberta

The Government of Canada recently strengthened research excellence by investing \$159.1 million to fund 181 Canada Research Chairs newly awarded or renewed in 45 Canadian universities across the country. The Canada Research Chairs program attracts the world’s most accomplished and promising scholars.

Dr. Greg Kawchuk is one of these highly coveted “Canada Research Chairs” that has been renewed (\$500,000) at the University of Alberta where he runs the Spinal Function Laboratory in Faculty of

Rehabilitation Medicine. His research involves identifying mechanisms that initiate and sustain spinal disorders and

is relevant to the development of new strategies for the prevention, diagnosis, and treatment of spinal disorders and back pain.

#### **Congratulations to Dr. Greg Kawchuk!**



Dr. David Cassidy DC, PhD, Dr.  
Med.Sc  
University of Denmark

“Effective November 1st 2009 Dr. David Cassidy has been appointed as *Honorary Professor in Clinical Biomechanics* at the Faculty of Health Sciences, University of Southern Denmark for a period of five years.

Dr. Cassidy holds a chiropractic degree from Canadian Memorial Chiropractic College, Toronto, Canada, a PhD degree in pathology from University of Saskatchewan, Canada and a Dr Med Sc degree in injury

epidemiology from the Karolinska Institute in Stockholm, Sweden. He is undoubtedly one of the most productive and widely published researchers with a chiropractic background. He has presented his research at hundreds of scientific meetings often as an invited speaker, and he has served as chairman and scientific secretary in several international task forces over the years, most recently the Decade of the Bone and Joint 2000-2010 Task Force on Neck Pain. “We feel extremely fortunate that David Cassidy has accepted this appointment” says Jan Hartvigsen Professor and Director of Research at the Research Unit of Clinical Biomechanics at the University of Southern Denmark. “We look forward to working with him and his group at the University of Toronto and the Toronto Western Hospital in developing collaborative research projects and benefiting from his advice on strategic and scientific matters in the years to come.”

#### **Congratulations Dr. David Cassidy!**

### ***New Appointments***



Dr. Edward Crowther DC, FCCS,  
MS, EdD candidate  
McMaster University

Dr. Crowther has recently joined McMaster University in the Department of Family Medicine, Michael G. Degroote School of Medicine. An Assistant Clinical Professor appointment, Dr. Crowther is engaged in instruction and assessment in the problem-based, three-year undergraduate program. Currently in the final stages of the completion of his Doctorate in Education, this position provides further opportunities for collaborative research and inter-professional education.

*continued next page...*



In July 2008, Dr. Riva was appointed as an Assistant Clinical Professor to the Department of Family Medicine in the Faculty of Health Sciences at McMaster University. Currently, he is an investigator on 5 research teams from the departments of Family Medicine and Clinical Epidemiology & Biostatistics. These projects are related to both chronic disease management and medical education as it applies to integrated providers such as chiropractors. He also acts as a clinical educator to medical students on topics related to patient care for musculoskeletal conditions.

Dr. John Riva BA, DC  
McMaster University

## Keeping track of our researchers!

### Masters Candidates

- Dr. Brian Arthur DC**  
*University of London*
- Dr. Daniel Avrahami DC**  
*McMaster University*
- Dr. Carol Cancelliere DC**  
*Lakehead University*
- Dr. Wayne Coghlan DC**  
*Yorkville University*
- Dr. Craig J. Coghlin DC**  
*Wilfred Laurier University*
- Dr. Stephan Cooper DC**  
*University of Derby*
- Dr. Lori Darroch DC**  
*University of Calgary*
- Dr. Ariane Desmarais DC**  
*Université du Québec à Trois-Rivières*
- Dr. Elaine Eglin DC**  
*Laval University*
- Dr. Geoff Gelley DC**  
*University of Manitoba*
- Dr. Laurie Goyeche DC**  
*Memorial University of Newfoundland*
- Dr. Jason Gray DC**  
*Dalhousie University*
- Dr. Julie-Marthe Grenier DC**  
*École de Technologie Supérieure*
- Dr. Jerry Grod DC**  
*Lakehead University*
- Dr. Karin Hammerich DC**  
*Athabaska University*
- Dr. Scott Howitt DC**  
*University of Guelph*
- Dr. Craig Jacobs DC**  
*University of Toronto*
- Dr. Debbie Kopansky-Giles DC**  
*University of Bournemouth*
- Dr. Ryan Larson DC**  
*McMaster University*

- Dr. Johanne Martel DC**  
*Université du Québec à Trois-Rivières*
- Dr. Keshena Malik DC**  
*McMaster University*
- Dr. Kim Mazar DC**  
*University of Calgary*
- Dr. Ron Norman DC**  
*McMaster University*
- Dr. Julie O'Shaughnessy DC**  
*Université du Québec à Trois-Rivières*
- Dr. Kelly Pennell DC**  
*McMaster University*
- Dr. Giovanni Perri DC**  
*University of Bournemouth*
- Dr. Jean-Philippe Pialasse DC**  
*Université du Québec à Trois-Rivières*
- Dr. John Pikula DC**  
*University of Bournemouth*
- Dr. Mireille Vincelette DC**  
*Université du Québec à Trois-Rivières*

### New Masters - Congratulations!

- Dr. Maria Giannotti DC, MSc**  
*York University*
- Dr. Caroline Julien DC, MSc**  
*Université du Québec à Trois-Rivières*
- Dr. Katherine MacAdam DC, MSc**  
*Dalhousie University*
- Dr. Paul Nolet DC, MPH**  
*Lakehead University*
- Dr. Kim Lalanne, DC, MSc**  
*Université du Québec à Trois-Rivières*

### New PhD's - Congratulations!

- Dr. Mathieu Piché DC, PhD**  
*Université de Montréal*

### PhD's coming down the pipe! Get Ready!

- Dr. Marc-André Blanchette DC, PhD candidate**  
*Université de Montréal*
- Dr. Karine Boily DC, MBA, PhD candidate**  
*University of British Columbia*
- Dr. André Bussièrès DC, PhD candidate**  
*University of Ottawa*
- Dr. Diana De Carvalho DC, PhD candidate**  
*University of Waterloo*
- Dr. Ted Crowther DC, EdD candidate**  
*D'Youville College*
- Dr. Connie D'Astolfo DC, PhD candidate**  
*York University*
- Dr. Cesar A. Hincapié DC, PhD candidate**  
*University of Toronto*
- Dr. Silvano Mior DC, PhD candidate**  
*University of Toronto*
- Dr. Brad Murray DC, PhD candidate**  
*McMaster University*
- Dr. Steven Passmore DC, PhD candidate**  
*McMaster University*
- Dr. Mana Rezai DC, PhD candidate**  
*University of Toronto*
- Dr. Richard Roy DC, PhD candidate**  
*Université du Québec à Montréal*
- Dr. Maja Stupar DC, PhD candidate**  
*University of Toronto*

## CCRF Membership Opportunities

The Foundation has several categories of membership but you may donate any amount you wish. Each member will receive a tax receipt for full donation amount, the Chiropractic Research Bulletin, a listing in the Bulletin if you wish, and a Membership Certificate for your office.

Every dollar you donate helps us reach our goals. You may even attach conditions to your donation such as supporting a university-based Chiropractic Research Chair in your province, or a specific research interest.

In 2010, the Foundation hopes to see more university-based Chiropractic Research Chairs become available. Each Chair requires \$500,000 so please be generous.

Help us reach our goals!

- |  |          |  |          |
|--|----------|--|----------|
| <input type="checkbox"/> Bronze Membership     | \$125    | <input type="checkbox"/> Silver Membership   | \$500    |
| <input type="checkbox"/> Gold Membership       | \$1,000  | <input type="checkbox"/> Platinum Membership | \$5,000  |
| <input type="checkbox"/> Benefactor Membership | \$10,000 | <input type="checkbox"/> Heritage Membership | \$25,000 |

**Membership Information** (*please enclose with your membership payment*):

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ Province: \_\_\_\_\_ Postal Code: \_\_\_\_\_

Tel.: \_\_\_\_\_ Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

Amount: \_\_\_\_\_

Please send completed membership form to:

**Canadian Chiropractic Research Foundation / La Fondation canadienne pour la recherche en chiropratique**

30 St. Patrick Street  
Suite 600  
Toronto, ON M5T 3A3  
Tel.: 416-585-7902  
Toll Free: 1-877-222-9303  
Fax: 416-585-2970

The CCA, the CCA Research Committee and the Canadian Chiropractic Research Foundation (CCRF) are committed to improving the health of Canadians.

This Bulletin is distributed to the Canadian chiropractic research community. (15/12/09) You may view the preceding sixteen bulletins on the CCA website at [www.chiropracticcanada.ca](http://www.chiropracticcanada.ca)

For further information, contact Dr. Allan Gotlib, CCA Director, Research Programs

Tel: 416-585-7902 • Email: [AGotlib@chiropracticcanada.ca](mailto:AGotlib@chiropracticcanada.ca)