



Osteoporosis Canada
Ostéoporose Canada

September 2008

SAC Link

Osteoporosis Canada's Scientific Advisory Council

Research Edition

Executive Committee: Dr. Alexandra Papaioannou (Chair), Dr. Bill Leslie (Vice Chair), Dr. Stephanie Atkinson, Dr. Angela Cheung, Dr. Sophie Jamal, Dr. Stephanie Kaiser, Dr. Brent Kvern, Dr. Suzanne Morin, Dr. Kerry Siminoski

Guidelines Committee: Dr. Bill Leslie, Dr. Jacques Brown, Dr. Angela Cheung, Dr. Anthony Hodsmann, Dr. Kerry Siminoski, Dr. Alexandra Papaioannou, Dr. Sophie Jamal

Research Committee: Dr. Angela Cheung, Dr. Stephanie Atkinson, Dr. Jane Aubin, Dr. David Goltzman, Dr. David Hanley, Dr. Sophie Jamal, Dr. Alexandra Papaioannou

Nominating Committee: Dr. Stephanie Kaiser, Dr. Jacques Brown, Dr. Thomas Brown, Dr. Anthony Hodsmann, Dr. Suzanne Morin

STAFF SUPPORT TO SAC

Dr. Famida Jiwa Lorilain Gamalinda
Vice-President, Operations Clinical Coordinator

"The process of scientific discovery is, in effect, a continual flight from wonder." -Albert Einstein

The SAC and Research

Since its inception in 1982, the SAC (formerly the Medical Advisory Board) has been closely identified with research as it was founded by a small group of people committed in promoting osteoporosis research. This commitment led to the increase to over fifty specialists who have devoted their time and resources to further the progress in osteoporosis research.

To date, the SAC has successfully published nine papers and are now working on Best Practices Protocols. Likewise, by partnering with different research organizations, six grants since 2006 have already been awarded by Osteoporosis Canada to deserving individuals.

The Purpose of the Research Fund

The SAC members have been keen supporters of funding research. Our vision of "Canada without osteoporotic fractures" is the prime mover of our efforts to invest in research and find the best

possible means in achieving our goals. Through our advocacy in research, we aim to develop and mentor new scientists and health professionals in Canada who will also become familiar with OC and continue to support our patient network.

Current and Future Funds

Presently, the value of our research fund has reached \$1.7 million. However, our target is \$2 million. In 2007, our research fund received \$122,024 from dedicated bequests and individual donors, many of whom are SAC consultants.

While we have funds to support current research, it is only through new collaborations that we will be successful in securing additional funds for future osteoporosis research.

We request each SAC member to donate annually. "There is strength in numbers." Your donation counts!

2008 / 2009 Partners in Research

1. CaMos: New Investigator Award
2. CIHR Funding Opportunities and Priority Announcements (1 Master's, 2 Doctoral, 1 New Investigator) as below:

	Master's (1)	Doctoral (2)	New Investigator (1)
Competition(s)	2009	2008	2008
Registration Deadline	-	-	2008-08-15
Application Deadline	2009-02-02	2008-10-15	2008-09-15
Application Notice of Decision	2009-07-15	2009-04-15	2009-04-16
Funding Starting Date	2009-09-01	2009-05-01	2009-07-01



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Research Awardees since 2006

Osteoporosis Canada and Dairy Farmers of Canada Research Grant

Dr. David Cole is affiliated with several research institutions in Toronto, namely the University of Toronto, the Sunnybrook & Women's College Health Sciences Centre / Research Institute, and the Hospital for Sick Children. Dr. Cole, together with Dr. Reinhold Vieth, utilized their research grant on a project focused on bone and its relevance on osteoporosis. The project is entitled "Effect of High-Dose Vitamin D Therapy on Leptin Metabolism: A Mechanistic Probe of the Calcium Intake / Weight Loss Hypothesis". Dr. Cole is currently a member of the Scientific Advisory Council.



Dr. Reinhold Vieth has been a leading researcher in the field of vitamin D for over 30 years. He is a professor in the Department of Laboratory Medicine and Pathobiology at the University of Toronto and Director of the Bone and Mineral Laboratory at Mt. Sinai Hospital. Dr. Vieth is an expert in the toxicology and clinical nutrition of Vitamin D. His research project with Dr. David Cole focused on the relationship between fat and bone cell regulation—an area that is being increasingly recognized as having an important role in the changes in bone mass with aging. Dr. Vieth is currently a member of the Scientific Advisory Council.



CIHR - OC Partnership Awards

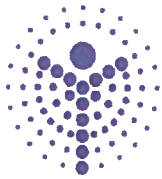
Dr. Brent Richards completed his medical training in Internal Medicine and Endocrinology at McGill University. After receiving Master's degree in epidemiology, his research interests have focused on the environmental and genetic determinants of osteoporotic fractures. Through the research grant, he did his postdoctoral training in the United Kingdom where he completed the first genome-wide association study entitled "Bone mineral density, osteoporosis, and osteoporotic fractures: a genome-wide association study" which was published in *The Lancet* 2008. Currently, he is an assistant professor at McGill University and a research scientist for the Canadian Multicentre Osteoporosis study (CaMos).



Dr. Ralph Amo Zirngibl received a postdoctoral fellowship support from Osteoporosis Canada for his research project entitled "The Role of the Estrogen Receptor-Related Receptor Alpha in Osteoblast Development and Bone Homeostasis: Generation of Novel Mouse Models for Human Bone Disease". This project is being implemented in the Aubin Lab at the University of Toronto under the supervision of Dr. Jane Aubin, a member of our SAC. This grant allows Dr. Zirngibl to pursue a body of work that will position him as an expert in preparation, characterization and identification of therapeutic options in mouse models of human bone disease.



The Scientific Advisory Council, comprised of researchers, educators and practitioners across the country, is the backbone of Osteoporosis Canada in the field of research and education. The contributions of each speciality is vital in ensuring quality output for every research endeavour. So get involved! Participate. Osteoporosis Canada needs you.



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2008 Research Awardees

New CaMos / Osteoporosis Canada Award

Dr. George Ioannidis is a PhD student at McMaster University in the Department of Health Research Methodology. His PhD research will quantify the impact of osteoporotic fractures on excess mortality in men and women across Canada. In addition, Dr. Ioannidis is also evaluating how a new multifaceted knowledge translation methodology (the Quality Circle Project), will help improve family physicians adherence with the 2002 Osteoporosis Canada clinical practice guidelines.



Most Recent CIHR Awardees

Dr. Allard-Chamard Hugues' interests are mainly on bone and soft tissue pharmacology. He had the opportunity to work in the laboratory of Dr Artur-José de Brum Fernandes, a well-recognized rheumatologist. Currently, he is under the MD PhD program of the Sherbrooke University. His research focuses on the discovery of new pharmaceutical targets that will interfere with osteoclast cells, the cardinal player in the development of osteoporosis. The CIHR grant will significantly support Dr. Hugues' research in the field of osteoporosis and assist him as he completes his PhD.



Dr. Marie-Claude Laliberte earned her M.Sc. in Pharmaceutical Sciences at the Université de Montréal. She is currently doing her Ph.D. in Pharmaceutical Sciences under the supervision of Dr. Lyne Lalonde and Dr. Sylvie Perreault. Dr. Laliberte is currently developing a research project aimed at evaluating the impact of an intervention provided by community pharmacists on the prevention and treatment of osteoporosis in elderly women—the project she will be working on with her doctoral grant from the CIHR.



A Selection of Abstracts by SAC Consultants ASBMR 2007

A Novel, Integrated Approach to the Management of Patients Following Hip Fracture: The Hip Fracture Integrated Intervention Program (HIIP) - V. Nanci, S. N. Morin. McGill University, Montreal, PQ

A Five Year Longitudinal Study of Health Related Quality of Life in Individuals with and without Incident fractures: The Canadian Multicentre Osteoporosis Study (CaMos)

A. Papaioannou, J. D. Adachi. McMaster University, Hamilton, ON

Associations Between Bone Mineral Density and Speed of Sound: Canadian Multicentre Osteoporosis Study

K. S. Davison, W. P. Olszynski. Saskatoon, SK

Clinical Validation of a Simplified Absolute Fracture Risk Algorithm in Canadian Women

W. D. Leslie. Winnipeg, MB

Factors Influencing the Diagnosis and the Treatment of Osteoporosis Following a Fragility Fracture

L. Bessette, J. P. Brown. Quebec, PQ

Fragility Fracture Increases Antidepressant Use among Women 65 Years of Age and Older

J. D. Adachi. McMaster University, Hamilton, ON

Nitrates and BMD Among Canadian Men and Women

S. A. Jamal, R. G. Josse. University of Toronto, Toronto, ON

Vitamin K Supplementation in Postmenopausal Women with Osteopenia: The ECKO Trial

A. M. Cheung. Toronto, ON

The Osteoporosis Canada - Scientific Advisory Council would like to thank the following consultants who have recently stepped down from the council:

Dr. Gillian Hawker
Dr. Alan Tenenhouse
Dr. Robert Sabbah

Dr. Colin Webber
Dr. Brian Lentle
Dr. David Webster

We thank them for their commitment and the dedication they have shared with the organization. Likewise, we wish them all the best in their current and future endeavours. Thank you our dear doctors!



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Getting to know our SAC Consultants



Stephanie Atkinson



Jane Aubin



Susan Barr



Greg Berry



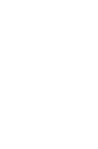
Louis Bessette



Earl Bogoch



Jacques Brown



Thomas Brown



Angela Cheung



David Cole



Ann Cranney



Richard Crilly



Mary Jane De Souza



Christine Derzko



Larry Dian



Sidney Feldman



Lora Giangregorio



Sabrina Gill



David Goltzman



David Hanley



Marlon Hershkop



Anthony Hodsman



Sophie Jamal



Elaine Jolly



Susan Jaglal



Robert Josse



Stephanie Kaiser



David Kendler



Aliya Khan



Nota Klentrou



Gregory Kline



Brent Kvern



Darien Lazowski



Bill Leslie



Heather M. Blumer



Colleen Metge



Suzanne Morin



Tim Murray
(Honorary Member)



Wojciech Olszynski



Alex Papaioannou



Terri Louise Paul



Jerilynn Prior



Anna Sawka



Kerry Siminoski



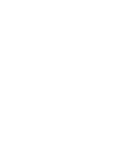
Louis-Georges Ste-Marie



Chris Symonds



Diane Theriault



John Wade



Reinhold Vieth



Anne Marie Whelan



Susan Whiting



Edmund Yendt



Chui Kin Yuen



Nese Yuksel