

ANNUAL REPORT 2004

Making the  
**connections**

**NeuroScience**  
Canada

**The brain** is made up of 100 billion neurons that communicate with each other primarily through biochemical signals traveling along a network that involves trillions of synaptic connections. Neuroscience is the study of the brain, spinal cord and nervous system.

**NeuroScience Canada** is a national, non-profit organization that provides unparalleled support for top Canadian scientists to collaborate on innovative research that has the potential to achieve breakthroughs in neuroscience. As members of multidisciplinary, multi-institutional research teams, our funded scientists are committed to developing better treatments and finding cures.

NeuroScience Canada partners with the public, private and voluntary sectors, with the goal of connecting the knowledge and resources available in this area to accelerate neuroscience research and funding, and maximize the output of Canada's world-class scientists.

**A Brief History** In 1998, the NeuroScience Network Centre of Excellence lost its federal funding and was subsequently transformed into a non-profit organization called the NeuroScience Canada Partnership and an affiliated charitable organization called the NeuroScience Canada Foundation, now known collectively as NeuroScience Canada. Our goal was to advance Canadian neuroscience research and give hope and relief to the millions of Canadians impacted by diseases, disorders and injuries of the brain, spinal cord and nervous system.

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[www.neurosciencecanada.ca](http://www.neurosciencecanada.ca)

Learn more about NeuroScience Canada by visiting our website. Find out facts about our organization, the latest news, information about our current and past programs, notes on how to apply for funds, and links to other sites of interest. The 2001, 2002 and 2003 annual reports can also be downloaded.

To add your name to our mailing list or to receive a copy of NeuroScience Canada's upcoming brochure, which outlines our vision and offers details about our Brain Repair Program, call us at (514) 989-2989 or email [info@neurosciencecanada.ca](mailto:info@neurosciencecanada.ca)



## The impact of neurological and psychiatric disorders on Canadians

Approximately 10 million Canadians of all ages – 1 in 3 – will be affected by a disease, disorder or injury of the brain, spinal cord or nervous system at some point in their lives. These disorders, which number more than 1,000, are among Canada's leading causes of death, along with cancer and heart disease, and are the primary cause of disability.

Based on Health Canada data, the economic burden of neurological and psychiatric diseases, disorders and injuries is conservatively estimated at 14% of the total burden of disease, or \$22.7 billion annually. This compares with cardiovascular at 12% and cancer at 9%. However, current estimates of the economic cost fail to take into consideration suffering and disability that do not result in death and hospitalization. Lost productivity and psychological costs to patients and caregivers are also not taken into account. When disability is included, the burden reaches 38% or more, according to the World Health Organization. Neuroscience research funding is disproportionately low when compared to the burden of disease.

Every year, 50,000 people in Canada are hospitalized with traumatic brain injuries and another 10,000 are diagnosed with a primary or metastatic brain tumour. Millions of Canadians suffer from chronic pain.

The following are estimates of the number of Canadians currently living with just some of these devastating conditions. This situation demands an urgent response.

Parkinson's disease	100,000
Alzheimer's disease	280,000
Other dementias	140,600
Epilepsy	180,000
Multiple sclerosis	50,000
Autism	105,000
Depression	3,000,000
Anxiety	3,600,000
Schizophrenia	300,000
Bipolar disorder	360,000
Spinal cord injuries	41,000

## mission statement

NeuroScience Canada aims to be:



The pre-eminent private source of funds in Canada to support neuroscience research capacity building within multidisciplinary research programs;



A leader in neuroscience research strategic planning and a major partner with the public sector and voluntary health organizations in developing and supporting the neuroscience research agenda; and



An important voice for innovative neuroscience research as a public good.

## Message from the Chair and the President

**W**ith the support of our donors, partners, funders and volunteers, 2004 was a very productive year for NeuroScience Canada. We awarded the first Brain Repair Program™ grants to three distinguished teams of Canadian neuroscience researchers. We received donations totalling \$2,371,750 – a 35 percent increase over the previous year and our best result to date. Our campaign total has now reached \$8,527,641. We also began to lay the groundwork for a public awareness campaign and an advocacy effort that will result in increased neuroscience research funding. Throughout all this, we continued to expand our network of supporters.

The Brain Repair Program was NeuroScience Canada's main focus in 2004. The first three projects were selected in July after being judged by a panel of international researchers to be excellent and innovative, with a high potential for breakthroughs. Each project will receive \$1.5 million over three years, plus an additional \$60,000 for networking. This is the largest investment to date in brain repair research in Canada, and as such creates a unique opportunity to accelerate the pace of discovery in the neurosciences. The Brain Repair Program has generated considerable interest in the scientific community, a clear indication that we have found a niche where we can make a difference. In fact, the three research projects are exploring a wide range of neurological and psychiatric diseases and disorders, including chronic pain, spinal cord injury, mental illness and addiction. The teams are already making advances in their research and will be providing us with regular updates detailing their progress.

In the past seven years we have made great strides toward achieving our mission thanks to the generosity of the hundreds of supporters who have helped us along the way. We now play a leadership role in neuroscience research in Canada, and through our Brain Repair Program and other partnered programs, we are privileged to provide extraordinary opportunities to some of this country's best scientists, researchers and clinicians. But there is still much work to be done to increase the funding of neuroscience research. In the coming year, we will continue to grow our base of supporters, including potential donors and partners, by increasing our presence in communities across Canada. We will do this by organizing events across the country to raise awareness about Canadian neuroscience research and about our work in particular. We will make new connections with scientists and clinicians at universities, hospitals and research institutes, and will recruit additional members to our Science Advisory Council and our group of International Friends.

As our capacity to connect Canada's most brilliant researchers with much-needed resources grows, we will remain committed to our leadership role in advancing the field of neuroscience, always knowing that innovative research will bring us closer to new treatments and cures.

With many thanks to all our friends,



**Left to right: Ms. Inez Jabalpurwala, President; Dr. David Kaplan, Vice-Chair Science and Chair, Science Advisory Council; The Honourable Michael H. Wilson, Chair; Mr. J. Anthony Boeckh, Vice-Chair Administration and Chair, Audit and Finance Committee.**

**Michael H. Wilson**  
Chair

**Inez Jabalpurwala**  
President

# The Brain Repair Program

## Accelerating research to repair the brain

In November 2003, NeuroScience Canada launched the Brain Repair Program with the goal of fast-tracking “transformative” brain repair research. Brain repair is a new field of multidisciplinary, collaborative research aimed at exploring the brain’s ability to be repaired or to repair itself. This field focuses on mechanisms common across brain, spinal cord and nervous system diseases, disorders and injuries: cell loss, the abnormal functioning of nerve cells, and chemical and molecular imbalances.

NeuroScience Canada is committed to allocating \$8 million to fund the top five Brain Repair Program teams in Canada. \$1.5 million will be provided to each team over three years, plus \$60,000 over the same period for networking. This funding will allow for meaningful and sustained collaborations among the researchers. The Brain Repair Program is aligned with the Canadian Institutes of Health Research’s (CIHR) Strategic Initiative in Regenerative Medicine. The CIHR is our major partner and provided a \$1.5-million grant for the first competition.

The Brain Repair Program has several distinctive features:

- ❖ As a national program, it provides the optimal conditions for Canada’s best researchers, working at various institutions across the country, to collaborate on groundbreaking research that addresses common mechanisms across brain diseases, disorders and injuries. The emphasis is on excellence and innovation.
- ❖ Through the program’s multidisciplinary approach to brain repair, researchers in the traditional neurosciences have the opportunity to work closely with researchers in other disciplines such as genetics, molecular biology, physiology, pharmacology, physics, chemistry, imaging and nanotechnology.
- ❖ By supporting teams that link basic research with clinical research in neurology, neurosurgery, psychiatry and rehabilitation medicine, there is a clear and direct interface between research and patient care. The goal is to conduct basic research that will lead to new and better treatments and cures.
- ❖ With the inclusion of young scientists on the research teams, where they have ample opportunity to develop their skills and knowledge in an excellent training milieu, the program develops and retains world-class neuroscience researchers in Canada.



**NeuroScience Canada Chair, the Honourable Michael H. Wilson (left), and NeuroScience Canada President, Ms. Inez Jabalpurwala (centre), with representatives of the Ontario Neurotrauma Foundation (from left to right): Mr. Mark Krembil (Board Member), Dr. Richard Riopelle (Chair, Research Committee) and Mr. Kent Bassett-Spiers (Executive Director). The Ontario Neurotrauma Foundation, a funder of health research and our provincial partner, is devoted to strategic and applied research in the field of neurotrauma in Ontario and supports collaborations that link Ontario-based researchers with the rest of Canada.**

*“It is commonly agreed that individual research labs make the important, almost serendipitous discoveries. However, in order to capitalize on these discoveries, it is necessary to develop groups or consortia made up of these individual labs in order to achieve a multidisciplinary approach leading to clinical applications of the findings. It is clear that Canada has many superb research labs headed by outstanding, internationally recognized investigators. It is very encouraging to see that NeuroScience Canada is stimulating the next step in developing the brain sciences.”*

**Dr. Lorne Mendell**  
Member, Brain Repair Program Review Committee  
Chair, Department of Neurobiology and Behaviour  
State University of New York at Stony Brook

*By enabling collaboration among researchers, we are creating efficiencies in research and accelerating the pace of discovery.*

# Brain Repair Program research projects and team members

## Novel Approaches to Central Nervous System White Matter Repair

Using a stem cell approach, the goal of this project is to repair nerve cells damaged by the loss of myelin, the important protective sheath that surrounds nerve cells. These impaired nerve cells are implicated in a range of disorders, including multiple sclerosis, spinal cord injury and schizophrenia.

*Leader:*

### **Freda Miller, PhD**

Senior Scientist, The Hospital for Sick Children  
Professor, Departments of Medical Genetics and Physiology,  
University of Toronto  
(Toronto, Ontario)

*Members:*

### **David Kaplan, PhD**

Senior Scientist and Head, Cancer Research Program, The Hospital for Sick Children  
Canada Research Chair in Cancer and Neuroscience  
Professor, Department of Molecular and Medical Genetics,  
University of Toronto  
(Toronto, Ontario)

### **Wolfram Tetzlaff, MD, PhD**

Rick Hansen Man in Motion Chair in Spinal Cord Research  
Associate Director, Discovery Science of ICORD,  
University of British Columbia  
(Vancouver, British Columbia)

### **Samuel Weiss, PhD**

Director, Hotchkiss Brain Institute  
Professor, Departments of Cell Biology and Anatomy and Pharmacology and Therapeutics,  
University of Calgary  
(Calgary, Alberta)

## Transforming Research on Chronic Pain

By uncovering the mechanisms behind chronic pain, which is difficult to diagnose and often undertreated, this project hopes to lay the groundwork for the development of a new generation of drugs that will target and treat chronic pain without affecting the body's response to normal acute pain.

*Leader:*

### **Michael W. Salter, MD, PhD**

Director, University of Toronto Centre for the Study of Pain  
Senior Scientist, The Hospital for Sick Children  
Canada Research Chair in Neuroplasticity and Pain (Tier I)  
Professor of Physiology, University of Toronto  
(Toronto, Ontario)

*Members:*

### **Karen D. Davis, PhD**

Canada Research Chair in Brain and Behaviour (Tier 2)  
Senior Scientist, Toronto Western Hospital Research Institute  
Associate Professor of Surgery,  
University of Toronto  
(Toronto, Ontario)

### **Yves De Koninck, PhD**

Director, Division of Cellular Neurobiology, Robert-Giffard Research Centre  
FRSQ Senior Scholar  
Associate Professor of Psychiatry,  
Université Laval  
(Quebec City, Quebec)

### **Jeffrey Mogil, PhD**

Canada Research Chair in Genetics of Pain  
E.P. Taylor Professor of Pain Studies  
Professor of Psychology, McGill University  
(Montreal, Quebec)

### **Min Zhuo, PhD**

The EJLB-CIHR Michael Smith Chair in Neurosciences and Mental Health  
Canada Research Chair in the Neurobiology of Pain and Cognition  
Professor of Physiology, University of Toronto  
(Toronto, Ontario)

## Novel Therapeutic Strategies to Repair Brain Abnormalities in Psychiatric Disorders

This project is attempting to understand what causes normal communication between neurons to break down. New understanding in this area may lead to the development of drugs that will restore normal functioning and alleviate the symptoms of major psychiatric disorders without inducing side effects.

*Leader:*

### **Yu Tian Wang, MD, PhD**

Chair in Stroke Research, Brain Research Centre  
Professor, Department of Medicine,  
University of British Columbia  
(Vancouver, British Columbia)

*Members:*

### **Stephen S.G. Ferguson, PhD**

Group Director, Cell Biology Research Group, Robarts Research Institute  
Assistant Professor, Departments of Physiology and Pharmacology,  
University of Western Ontario  
(London, Ontario)

### **Alaa El-Husseini, PhD**

Assistant Professor, Psychiatry/Division Neuroscience,  
Brain Research Centre,  
University of British Columbia  
(Vancouver, British Columbia)

### **Ridha Joober, MD, PhD**

Assistant Professor, Department of Psychiatry, McGill University  
Co-Director, Douglas Hospital Research Centre  
Associate Director, Program for Early Intervention and Prevention of Psychotic Disorders, Douglas Hospital  
(Montreal, Quebec)

### **Anthony G. Phillips, PhD, FRSC**

Professor, Department of Psychiatry,  
University of British Columbia  
Chair, Advisory Board, CIHR Institute of Neurosciences, Mental Health & Addiction  
(Vancouver, British Columbia)



**Brain Repair Program team leaders**

**Left to right: Dr. Yu Tian Wang, Dr. Freda Miller, Dr. Michael Salter.**

## The first Brain Repair Program competition

was made possible thanks to the support of our donor and partners, listed on pages 14 and 15.

### The peer review process was rigorous and highly competitive.

Following a call for applications, NeuroScience Canada received 21 Letters of Intent (LOIs), which were subsequently reviewed by our Science Advisory Council. Eight LOIs were selected to advance to the Full Application stage. In May 2004, these Full Applications were delivered to a committee of seven internationally recognized experts from the United States and Europe, and this committee met in July 2004 to complete the final review. The reviewers were told that only teams ranked in the “excellent” to “outstanding” range according to the Canadian Institutes of Health Research scale could qualify for funding. At the time, NeuroScience Canada had full funding for two teams.

With the completion of the review process, three projects were unanimously recommended for funding. These projects were not only judged to have a high potential for breakthroughs in the neurosciences, but were also seen to be complementary in that they covered a wide range of neurological and psychiatric diseases and disorders, including chronic pain, spinal cord injury, mental illness and addiction. NeuroScience Canada was committed to raising the additional \$1.5 million so that all three projects could be funded, and by the public launch of the program in November, we had reached this goal.

The three teams will be closely monitored and will provide regular progress reports. Following the close of this first round of the program, we will evaluate the feedback we receive from the recipients, the science community and our partners and funders, before deciding the best way to go forward with the Brain Repair Program.

### Public Announcement of Brain Repair Program Results

At a ceremony in Ottawa on November 25, 2004, the Honourable Robert G. Thibault, Parliamentary Secretary to the Minister of Health, on behalf of the Honourable Ujjal Dosanjh, Minister of Health, and NeuroScience Canada and its Brain Repair Program, officially announced the first three recipients of Brain Repair Program funding. Mr. Thibault said: “I commend NeuroScience Canada and their partners and donors for this outstanding research initiative. These teams and the projects they will pursue represent some of the best health researchers and research on the globe. I am proud that Canada is supporting such excellent research that will ultimately benefit Canadians and the Canadian health system.”



**Announcement of the three Brain Repair Program teams selected in the first competition, at the reception hosted by the Canadian Alliance on Mental Illness and Mental Health (CAMIMH) on the eve of the CIHR Institute of Neurosciences, Mental Health and Addiction (INMHA) third Annual Meeting.**

**Left to right: Mr. Phil Upshall, National Director, CAMIMH; Dr. Anthony G. Phillips, Chair, INMHA Institute Advisory Board (IAB); The Honourable Robert G. Thibault, Parliamentary Secretary to the Minister of Health; Dr. Jeffrey Coull, 2004 Brain Star of the Year recipient; Ms. Inez Jabalpurwala, President, NeuroScience Canada; Dr. Rémi Quirion, Scientific Director, INMHA; Dr. Michael Salter, Director, INMHA IAB; Dr. John Service, Executive Director, Canadian Psychological Association and Chair, CAMIMH.**

## The Second Brain Repair Program Competition

To meet our five-project objective, NeuroScience Canada must raise \$3 million to fund the final two Brain Repair Program projects. In 2005, we will focus on cultivating new prospects and engaging more partners for our program.

*“I believe that you assembled an excellent panel of internationally recognized scientists who had the necessary expertise to crucially evaluate the proposals. All of the grants were fairly reviewed and the strengths and weaknesses of the respective proposals were delineated to the point where there were no major disagreements between the reviewers.”*

### Dr. Scott R. Whittemore, PhD

Member, Brain Repair Program Review Committee; Henry D. Garretson Professor of Neurological Surgery  
Scientific Director, Kentucky Spinal Cord Injury Center, University of Louisville School of Medicine

## Other programs currently funded

### There were three new Alberta Initiative awards in 2004:

#### STUDENTSHIP

Dr. Ira Driscoll, University of Lethbridge  
*The Aging Hippocampus: A Multilevel Assessment of Age-Related Memory Deficits*

This project will systematically look at the effects of age on the neurobiology that underlies learning and memory.

#### FELLOWSHIPS

Dr. Steeve Houle, University of Calgary  
*Molecular Pharmacology of the Proteinase-Activated Receptor-4: Roles and Mechanisms of Action in Inflammation.*

This project will elucidate the roles of the newly discovered receptor in inflammation as well as pain transmission, and help determine whether this receptor could eventually be a potential target for drug development.

Dr. Tiona Todoruk, University of Calgary  
*The Effects of Metals on Matrix Metalloproteinases: A Link Between Environmental Factors and Multiple Sclerosis?*

This project will attempt to isolate environmental factors that may contribute to the onset and/or progression of multiple sclerosis in the hopes of better understanding its pattern of development.

#### ALBERTA INITIATIVE

The Alberta Initiative was developed with the purpose of retaining excellent young neuroscience researchers at three Alberta universities: the University of Calgary, the University of Alberta and the University of Lethbridge. Gifts to the Alberta Initiative are combined with Alberta Heritage Foundation for Medical Research (AHFMR) funds, effectively multiplying support. The AHFMR also conducts the peer review to select the award recipients.

To date, we have allocated \$597,650 to support eight fellowships and 22 studentships. These funds were matched by the AHFMR at a ratio of 7:3. An additional \$125,000 was allocated from the Alberta Initiative to Dr. Samuel Weiss of the University of Calgary, who is a member Dr. Freda Miller's Brain Repair Program team. These funds will support two researchers in Dr. Weiss' lab, Dr. Andrew Chojnacki, a post-doctoral fellow, and Ms. Rozina Hassam, a senior research assistant.

Funds have also been reserved to support Alberta-based research that looks at mental illness and concurrent disorders as determinants of homelessness. Two leading researchers, Dr. James R. Dunn and Dr. Paula Goering, will conduct a project entitled *Feasibility Study for a Two City Demonstration of Supportive Housing for Individuals with Severe Mental Illness*.

#### BARBARA TURNBULL AWARD FOR SPINAL CORD RESEARCH

Funded by NeuroScience Canada in partnership with the Barbara Turnbull

Foundation for Spinal Cord Research and the Institute of Neurosciences, Mental Health and Addiction (INMHA) of the Canadian Institutes of Health Research (CIHR), this award, in honour of Barbara Turnbull, supports Canadian research in spinal cord injury. The award recipient, who is selected from among the CIHR-funded investigators for that year, is judged to be conducting the most promising and exciting research in this area. NeuroScience Canada and the Barbara Turnbull Foundation for Spinal Cord Research each provide \$25,000, which is added to the \$300,000 operating grant provided by the CIHR to the researcher over three years.

The 2004 recipient is Dr. David Bennett, Faculty of Rehabilitation Medicine, University of Alberta, for his research entitled *Neuronal Mechanisms of Spasticity after Spinal Cord Injury: Animal Studies*.

#### COGNITIVE IMPAIRMENT IN AGING

NeuroScience Canada is a member of the Cognitive Impairment in Aging (CIA) Partnership. The CIA Partnership is a collaboration between government, non-government and industry groups. Its mission is to improve knowledge in the area of cognitive impairment by coordinating increased research efforts that in turn will facilitate the development, application and evaluation of interventions, services and products for older people.



**Ms. Barbara Turnbull, President, The Barbara Turnbull Foundation for Spinal Cord Research, and Honourary Board Member, NeuroScience Canada; and Dr. Charles Tator, Senior Scientist, Division of Cellular and Molecular Biology, Toronto Western Research Institute and Chair, Canadian Brain and Nerve Health Coalition.**

### DR. NORMA CALDER SCHIZOPHRENIA POST-DOCTORAL FELLOWSHIP

The Dr. Norma Calder Schizophrenia Post-Doctoral Fellowship, which is a partnership between NeuroScience Canada and the Dr. Norma Calder Schizophrenia Foundation in British Columbia (Mind Society of British Columbia), funds a post-doctoral fellow at the University of British Columbia who is conducting research on schizophrenia, within the CIHR's Health Partnership Program. The award recipient receives \$41,500 per year for three years. NeuroScience Canada's contribution is \$10,375 per year.

In 2003, a peer-review panel selected Dr. Clare L. Beasley as the recipient of the fellowship, which began in September 2003. Dr. Beasley, a former resident of the United Kingdom, completed her PhD at the University of Sheffield and was a research fellow at the Institute of Psychiatry in London. Dr. Beasley's research is entitled *Investigating the possible role of proteins, lipids and metabolites in schizophrenia*. Her work focuses on comparing brain samples taken from people with schizophrenia with samples taken from people without psychiatric disorders in the hopes of finding differences that may be related to schizophrenia. Dr. Beasley's goal is to identify changes in the way brain cells connect and interact either within a specific region of the brain or between different regions.



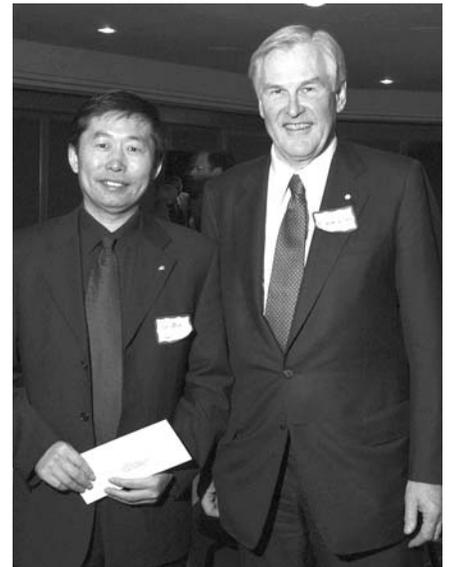
Dr. Clare L. Beasley, Dr. Norma Calder Schizophrenia Post-Doctoral Fellowship recipient.

### SASKATCHEWAN SCHIZOPHRENIA RESEARCH PROGRAM

The Saskatchewan Schizophrenia Research Program is a \$1-million, five-year program whose funding partners include AstraZeneca Canada Inc., the Institute of Neurosciences, Mental Health and Addiction of the Canadian Institutes of Health Research, the Royal University Hospital Foundation, the Schizophrenia Research Foundation Saskatchewan Inc., the Saskatoon chapter of the Schizophrenia Society of Saskatchewan and the University of Saskatchewan's College of Medicine. NeuroScience Canada is providing an additional \$30,000 to this program.

The goals of the program, entitled *Schizophrenia Research Program: From Genes to Clinic to Community*, are to strengthen, expand and increase research productivity to hasten the understanding of schizophrenia and lead to earlier diagnosis and improved treatment. The University of Saskatchewan is a recognized leader in schizophrenia research and has a mix of established researchers and new investigators. According to Steven Franklin, Vice-President Research for the university, "This partnership will build on our strengths in neuroscience research and contribute to a new understanding of this devastating illness, which exacts a huge toll in direct and indirect health care costs annually in Canada. With this new funding, the unit will be able to add at least 20 post-doctoral fellows, research associates and graduate students over the next five years, providing a superb training ground and advancing the Neuropsychiatry Research Unit as a national centre of excellence for schizophrenia research."

The program leader is Dr. Xin-Min Li, Professor and Director of the Neuropsychiatry Research Unit at the University of Saskatchewan. According to Dr. Li, "This funding will be the catalyst for establishing a first-rate multidisciplinary group in schizophrenia research and ensuring that Saskatchewan patients with schizophrenia will be the beneficiaries of leading-edge discoveries and improved services."



Dr. Xin-Min Li, Team Leader of the Schizophrenia Research Program, receives a cheque from the Honourable Michael H. Wilson.

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Mr. Allan R. Taylor, Dr. David Kaplan,  
The Honourable Michael H. Wilson,  
Mr. J. Anthony Boeckh, Mr. Marcel Côté.

### Middle row:

Dr. Michael Salter, Dr. Freda Miller, Dr. Min Zhuo,  
Dr. Yu Tian Wang, Dr. Alaa El-Husseini,  
Ms. Inez Jabalpurwala, Mr. Warren C. Bull,  
Dr. Jeffrey Mogil.

### Back row:

Mr. John M. Stewart, Dr. Stephen S.G. Ferguson,  
Dr. Ridha Joober, Dr. Anthony G. Phillips,  
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for Pain Research and Care

### Larry M. Jordan, MSc, PhD

(Effective May 2005)  
Professor of Physiology  
and Co-Director, Spinal Cord Research Centre,  
Health Sciences Centre  
Director, Neuroscience Research Program  
University of Manitoba

### Stanley P. Kutcher, MD, FRCPC

Director, International Psychiatry,  
Department of Psychiatry  
Associate Dean, International Medical  
Development and Research  
Faculty of Medicine, Dalhousie University

### Andres M. Lozano, MD, PhD, FRCSC, BMedSci

Head and Senior Scientist, Division of Applied  
and Interventional Research,  
Toronto Western Research Institute

### Anthony G. Phillips, PhD, FRCSC

Professor, Department of Psychiatry,  
University of British Columbia  
Chair, Advisory Board,  
CIHR Institute of Neurosciences,  
Mental Health and Addiction

### Richard Riopelle, MD

Chair, Department of Neurology and Neurosurgery,  
McGill University

### Serge Rossignol, MD, PhD

Director, Centre for Research  
in Neurological Sciences,  
Université de Montréal

### Guy Rouleau, PhD

(Effective May 2005)  
Canada Research Chair in Genetics of the  
Nervous System (Tier I)  
Adjunct Professor, Department of Genetics,  
McGill University  
Professor, Department of Medicine,  
Université de Montréal  
Director, Centre for the Study of Brain Diseases,  
Centre hospitalier de l'Université de Montréal

### James T. Rutka, MD, PhD, FRCSC, FACS, FAAP

Co-director and Principal Investigator,  
The Sonia and Arthur Labatt Brain Tumour  
Research Centre  
The Hospital for Sick Children  
Professor and Chair, Division of Neurosurgery,  
University of Toronto

### Peter St. George-Hyslop, MD, FRCP(C), FRS

Director, Centre for Research in  
Neurodegenerative Diseases  
University of Toronto  
Director, Toronto Western Research Institute

### Richard B. Stein, PhD

Professor Emeritus of Physiology and Neuroscience,  
Centre for Neuroscience,  
University of Alberta

### Donald T. Stuss, PhD, FRSC, O.Ont.

Director, The Rotman Research Institute  
The Reva James Leeds Chair in Neuroscience and  
Research Leadership,  
Baycrest Centre for Geriatric Care  
Professor of Psychology and Medicine, (Neurology,  
Rehabilitation Science)  
University of Toronto

### Franco J. Vaccarino, PhD

Head, Neuroscience Program,  
Department of Psychiatry  
Professor, Departments of Psychiatry and Psychology,  
University of Toronto

### Samuel Weiss, PhD

Director, Hotchkiss Brain Institute  
Professor, Departments of Cell Biology and Anatomy  
and Pharmacology and Therapeutics,  
University of Calgary

## International Friends of NeuroScience Canada

In 2004, the Board of Directors passed a motion to appoint "International Friends" of NeuroScience Canada, who will provide the Science Advisory Council and Board of Directors with advice and feedback on our science program. These scientists will ensure that we are benchmarking our science program against international standards and will help us raise our profile around the world.

### Larry Benowitz, PhD

Director, Laboratories for Neuroscience Research in  
Neurosurgery,  
Children's Hospital, Boston  
Associate Professor of Neurosurgery (Neuroscience),  
Harvard Medical School  
(Boston, Massachusetts)

### Gary E. Landreth, PhD

Professor of Neurosciences and Neurology,  
Alzheimer Research Laboratory,  
Case Western Reserve University  
School of Medicine  
(Cleveland, Ohio)

### Lorne M. Mendell, PhD

Distinguished Professor and Chair, Department of  
Neurobiology and Behaviour  
SUNY at Stony Brook,  
(Stony Brook, New York)

### Alain Privat, MD, PhD

Director, Spinal Cord Team,  
Institut des Neurosciences  
(Montpellier, France)

### Peter R. Rapp, PhD

Associate Professor,  
Kastor Neurobiology of Aging Laboratories,  
Mount Sinai School of Medicine  
(New York, New York)

### Scott R. Whittemore, PhD

Professor and Vice-Chairman for Research,  
Department of Neurological Surgery  
Henry D. Garretson Endowed Chair in Spinal Cord  
Injury Research  
Scientific Director, Kentucky Spinal Cord  
Injury Research Center,  
University of Louisville School of Medicine  
(Louisville, Kentucky)

## Board development

In 2003, a more streamlined governance structure was achieved with the integration of the boards of the NeuroScience Canada Partnership and NeuroScience Canada Foundation. This resulted in a stronger affiliation between the Partnership and Foundation activities over the past year. Following the integration, the Honourable Michael H. Wilson continued as Chair of NeuroScience Canada and Mr. Allan R. Taylor stayed on as Chair of the Governance Committee. Mr. J. Anthony Boeckh retained his position as Vice-Chair Administration and Chair of the Audit and Finance Committee while Dr. David Kaplan continued as Vice-Chair Science and Chair of the Science Advisory Council.

The Governance Committee provides counsel on all

governance matters, ensuring that we operate with the highest standards of ethics and are transparent and fully accountable to our stakeholders. The Audit and Finance Committee reviews budgets and financial statements on a regular basis. Both committees work closely with the President and report to the Board of Directors.

Two new directors were appointed in May 2004: Mr. Marcel Côté, Founding Partner and President of SECOR (Montreal), and Dr. Franco J. Vaccarino, Head, Neuroscience Program, Department of Psychiatry and Professor, Departments of Psychiatry and Psychology at the University of Toronto. Dr. Vaccarino, who was already a member of the Science Advisory Council, will continue to serve on the council.

## Raising awareness beyond the neuroscience community

### The Public Policy and Communications Committee

This year saw the establishment of a new sub-committee, the Public Policy and Communications Committee, chaired by Mr. Marcel Côté. Its purpose is to develop and present, for Board approval, strategies and action plans to advance NeuroScience Canada's efforts to raise awareness of the incidence and impact of neurological and psychiatric diseases, disorders and injuries. Activities will target the public and both levels of government. In particular, NeuroScience Canada will take a more active leadership role in 2005 in advocating for increased funding for neuroscience research in Canada. We are delighted that Mr. Gregor Angus, President of BBDO Montreal, has kindly agreed to assist NeuroScience Canada with developing a branding strategy for the neuroscience "umbrella." This will serve as the basis for a public awareness campaign.

The Public Policy and Communications Committee has been working with a number of stakeholders to build the case for increased neuroscience research funding. The case will establish the burden of neurological and psychiatric diseases, disorders and injuries on society – one that will increase as the population ages – and show the enormous capacity of Canada's neuroscience research community to address this burden. To advise them in this work, the Public Policy and Communications Committee Advisory Council was assembled. The members of the Advisory Council, who were chosen because of their access to professional networks, are consulting with their stakeholder groups and keeping them informed of all progress.

### The Public Policy and Communications Committee Advisory Council

**Patricia Boksa, PhD**

President, Canadian College of Neuropsychopharmacology  
Researcher, Douglas Hospital Research Centre  
(Montreal)

**Garth M. Bray, MD, FRCP(C)**

Executive Vice-President,  
Canadian Congress of Neurological Sciences  
Director, Division of Neurology,  
Department of Medicine, MUHC, MGH Site  
(Montreal)

**Sally Gregg**

Managing Director,  
Canadian Congress of Neurological Sciences  
and The Canadian Journal of Neurological Sciences  
(Calgary)

**Freda Miller, PhD**

Senior Scientist,  
The Hospital for Sick Children  
Professor, Departments of Medical Genetics and  
Physiology  
University of Toronto  
(Toronto)

**Richard Riopelle, MD**

Chair, Department of Neurology and Neurosurgery,  
McGill University  
(Montreal)

**Valerie M.K. Verge, PhD**

President, Canadian Association for Neuroscience  
Associate Professor,  
Department of Anatomy and Cell Biology,  
University of Saskatchewan  
Principal Investigator, Cameco MS Neuroscience  
Research Center  
(Saskatoon)

*From the beginning, "partnership" has been a core value of NeuroScience Canada. Our role as a connector is to bring together governments and the private and voluntary sectors and thereby create one strong voice for the neurosciences.*

## Science Advisory Council news

In 2004, the Science Advisory Council provided valuable leadership and advice on our Brain Repair Program. Beyond helping shape the goals and format of the program, council members wrote the Request for Applications and undertook the important task of reviewing the Letters of Intent. Members also provided names for the International Review Committee that would make the final recommendation on which teams to fund.

This past year the Science Advisory Council welcomed a new member, Dr. Donald T. Stuss, Director of the Rotman Research Institute, the Reva James Leeds Chair in Neuroscience and Research Leadership at the Baycrest Centre for Geriatric Care, and Professor of Psychology and Medicine (Neurology, Rehabilitation Science) at the University of Toronto. Dr. Stuss' own research, which focuses on how mental deficits form after a brain injury, provides a bridge between psychiatry and neurology.

In May 2005, the Science Advisory Council convened to evaluate the results to date of the first Brain Repair Program competition.

Each member of the NeuroScience Canada Science Advisory Council is a leader in neuroscience research. Here are some of the many achievements of our Science Advisory Council members in 2004:

**Dr. M. Catherine Bushnell** of McGill University's Centre for Research on Pain was quoted extensively in a February 2005 ABC News article entitled, "Studies: Chronic Pain Comes From the Brain." In 2003, Dr. Bushnell was named director of the newly formed McGill Centre for Research on Pain.

**Dr. James L. Henry** was appointed Scientific Director of the Michael G. DeGroote Institute of Pain Research and Care at McMaster University. In addition, Dr. Henry was appointed Professor in the Departments of Psychiatry and Behavioural Neurosciences and Anaesthesia at McMaster University, and is the newly endowed Chair in Central Pain.

**Dr. Stanley P. Kutcher** of Dalhousie University was named one of six Champions of Mental Health who have made a difference in the advancement of important issues around mental illness and mental health. Dr. Kutcher is currently working in the area of mental health with the World Health Organization.

**Dr. Andres M. Lozano** and members of his research team at Toronto Western Hospital made international headlines when they demonstrated that deep brain stimulation helps patients suffering from long-lasting clinical depression who have been resistant to conventional treatment.

**Dr. Peter St. George-Hyslop** was named the new Director of Toronto Western Research Institute. He was also named a Fellow of the Royal Society of London.

**Dr. Richard B. Stein** is the inventor and developer of an innovative device to treat foot drop, called WalkAide. Foot drop is a condition whereby a stroke or spinal cord injury causes a patient to drag a foot while walking.

**Dr. Samuel Weiss** was named director of the Hotchkiss Brain Institute in Calgary, Alberta, an institute devoted to advancing research in mental health and neuroscience.



Members of NeuroScience Canada's Science Advisory Council convened on May 3, 2005.  
Left to right: Dr. Anthony G. Phillips, Dr. Albert J. Aguayo, Dr. Richard B. Stein, Dr. Richard Riopelle, Dr. M. Catherine Bushnell, Dr. James L. Henry, Ms. Inez Jabalpurwala, Dr. Franco J. Vaccarino, Dr. David Kaplan, Dr. Vincent Castellucci, Dr. Samuel Weiss, Dr. Donald T. Stuss.

## Fundraising activities

In 2001, NeuroScience Canada launched the \$10-million National Brain Repair Fund Campaign with the goal of supporting excellent neuroscience research. To date, we have raised \$8,527,641 and funded 97 researchers – individuals and teams – across Canada. This past year was our most successful fundraising year, and as we expand our network of supporters, we expect to continue in this upward trajectory.

In 2004, we raised \$2,371,750, compared with \$1,758,735 in 2003. Of our \$10-million National Brain Repair Fund Campaign goal, we now have \$8,527,641. These results are due to two factors: our stronger case for support, which focuses on our Brain Repair Program, and the efforts of a team of committed campaign volunteers led by the Honourable Michael H. Wilson. These volunteers are working alongside board members in making requests for donations from individuals, corporations and foundations.

The most significant fundraising event in 2004 was fulfilling the conditions of an Anonymous Donor (now deceased) challenge gift and thereby releasing \$1.2 million for the Brain Repair Program. The conditions were to raise

\$2.4 million from non-government sources (cash and pledges from donors) and \$1.4 million in government funds (cash in hand).

NeuroScience Canada continues to uphold its commitment to not overlap with the fundraising campaigns of disease- and disorder-specific voluntary health organizations in the neurosciences, but rather to expand the pool of funds available for neuroscience research that cuts across diseases and disorders, disciplines and institutions. The Brain Repair Program has given us an opportunity to work in collaboration – and not in competition – with disease- and disorder-specific organizations, thereby enhancing their own research activities.

Keeping our ratio of administration and program expenses to program disbursements as low as possible is an ongoing priority. We have set a maximum of 15 percent of our donations directed to administration/overhead and program-related expenses. A portion of these expenses has been offset by a few generous donors who have provided operational funds, and by a grant from Canada Economic Development for Quebec Regions.

## Stewardship and donor cultivation

*“I support NeuroScience Canada’s fundraising activities, as a donor and volunteer, because like so many others, I have witnessed the significant impact of brain disorders on family and friends. I believe that the organization is making a real difference. NeuroScience Canada is raising awareness about brain disorders and is investing in research that has a high potential for breakthroughs – giving hope to patients and their families that there will be better treatments and ultimately cures. I also commend the organization for its responsible use of funds, and its accountability to its donors and other stakeholders.”*

**Brian D. Lawson**  
Chief Financial Officer  
Brascan Corporation

NeuroScience Canada held a donor recognition event in Toronto on December 8, 2004, to thank our lead donors, partners and volunteers who have contributed much to our success in the past few years. The evening featured presentations from the two Brain Repair Program teams that have members in Ontario.

In March 2005, we held a dinner in Vancouver with the goal of spreading the message of the excellence and potential of Canadian neuroscience research. We also wanted to confirm our leadership role in this area. Present at the event were Vancouver-based board members and Science Advisory Council members as well as Vancouver-based members of the Brain Repair Program and other B.C.-based funded researchers. NeuroScience Canada Director Mr. Brandt C. Louie hosted the event, and guests included leaders of the local business and philanthropic communities.

In the coming year, we will continue to organize events across Canada that will raise awareness about Canadian neuroscience research and communicate our vision of collaborative neuroscience research that is focused on achieving breakthroughs.

# Annual General Meeting

The NeuroScience Canada Partnership and NeuroScience Canada Foundation held their first expanded Annual General Meeting and Dinner on May 2, 2005, at the InterContinental Toronto Centre, Toronto, Ontario. The meeting brought together about 70 prominent members of the business, science and philanthropic communities and featured progress reports from each of the three Brain Repair Program teams that we are currently funding.

During the reception, a human brain was on display and visitors were able to take a close look at the most mysterious and critical organ in the body. Dr. Michael J. Wiley, Professor and Division Chair Anatomy, Department of Surgery, University of Toronto, was on hand to answer questions about the brain and nervous system.

The keynote speaker at the dinner was Dr. Dave Williams, Astronaut, Canadian Space Agency, who was the Mission Specialist 3 aboard Space Shuttle Columbia on the 16-day flight that was called Neurolab. This flight was dedicated to the advancement of neuroscience research and focused on the effects of microgravity on the brain. Dr. Williams' stimulating presentation showed that important research can be accomplished on a space shuttle mission. He also spoke about how the results of the Neurolab research have already contributed to our understanding of the brain and nervous system.

AstraZeneca Canada generously provided funds to help underwrite some of the costs of the event.

**Mr. Allan R. Taylor, Chair of the Governance Committee, moves the appointments of the Directors, Officers and Board committees.**



**Dr. Dave Williams, Astronaut, Canadian Space Agency, wowed the guests with his dinner presentation.**



**Dr. Michael J. Wiley, Professor and Division Chair Anatomy, Department of Surgery, University of Toronto, with his display of a human brain.**



**Guests (from left to right): Mr. Stephen Griggs, President, CEO and Director, Legg Mason Canada; Mr. Kevin McNeil, President and CEO, Gore Mutual Insurance Company; Ms. Judy Hills, Executive Director, Canadian Psychiatric Research Foundation; Mr. Stephen Voisin, Executive Director, RBC Foundation.**

**Researchers (from left to right): Dr. Yu Tian Wang, University of British Columbia; Dr. Anthony G. Phillips, University of British Columbia; Dr. Richard Riopelle, McGill University; Mrs. Kathryn Ferguson, Dr. Stephen F.G. Ferguson, University of Western Ontario; Dr. David Kaplan, University of Toronto; Dr. Samuel Weiss, University of Calgary.**



**Ms. Natasha Laliberté (left), Program Coordinator, and Ms. Patricia MacDonald, Communications Assistant, NeuroScience Canada, greet the guests.**

## Thanks to donors, partners and campaign volunteers

### NeuroScience Canada extends a special thank you

to an Anonymous Donor (now deceased), whose \$1.5-million challenge gift provided the impetus to launch the National Brain Repair Fund Campaign and Alberta Initiative.

**We also wish to express our thanks to our federal partner for their generous contribution to the Brain Repair Program:**

**\$1.5 million**



The Canadian Institutes of Health Research, and its Institute of Neurosciences, Mental Health and Addiction and Institute of Aging

**A heartfelt thanks, as well, goes to our provincial partner for their generous contribution to the Brain Repair Program:**

**\$250,000**



**Ontario Neurotrauma Foundation**  
Fondation ontarienne de neurotraumatologie

**NeuroScience Canada is proud to honour our lead corporate donors and other major corporate donors who share our vision of advancing Canadian neuroscience research:**

**\$750,000 + (cumulative giving)**



**\$500,000**



**\$300,000**



**\$250,000**



**\$100,000 - \$249,999**

BMO Financial Group  
Great-West Life, London Life and Canada Life  
Magna International Inc.  
Manulife Financial  
Power Corporation of Canada

**We are also proud to honour the individuals and foundations who are major supporters of our work:**

**\$250,000 - \$500,000**

Max Bell Foundation  
The John Dobson Foundation  
The J.W. McConnell Family Foundation

**\$100,000 - \$249,999**

Boeckh Family  
David and Dorothy Lam Foundation  
The Tong and Geraldine Louie Family Foundation  
Ronald N. Mannix  
Allan R. and Shirley Taylor  
The Barbara Turnbull Foundation for Spinal Cord Research  
Michael H. Wilson

**NeuroScience Canada thanks all other individuals, foundations and corporations who have generously contributed to our National Brain Repair Fund Campaign and to our Alberta Initiative.**

Achber, Vernon  
The Adair Family Foundation  
Aguayo, Albert J.  
Alpaca Ventures  
AstraZeneca Canada Inc.  
ATCO Ltd.  
BP Foundation Inc.  
Baillie, James C.  
Barrington Petroleum Ltd.  
Beddis, Ian D.  
Bell Canada Enterprises  
Bhayana Management  
Blundell, William  
Boardwalk Charitable Trust Fund  
The Graham Boeckh Foundation  
Bois, Pierre  
Borden Ladner Gervais  
The Brascan Foundation  
The R.P. Bratty Charitable Foundation  
The Marjorie and Gerald Bronfman Foundation  
Bull, Warren C.  
The Calgary Foundation / David and Leslie Bissett Fund  
Canadian Council of Christians and Jews  
Canadian Insurance Accountants Association  
Canadian Pensions and Benefits Institute,  
Ontario Regional Council  
Castellucci, Vincent  
Colangelo, Johanne  
Colangelo, Lina  
Corbertex Corporation  
Côté, Marcel  
Crown Life Insurance Company  
Cumming, Tom and Mary  
Mitzi & Mel Dobrin Family Foundation  
Dion, Durrell & Associates Inc.  
Dorrington, Keith J.\*\*  
Fraser, Anne  
Govain, Royal A.  
Guest, Gowan  
Harvie, Donald\*\*  
Haskayne, Richard F.  
Hotchkiss, Harley N.  
Hyndman, Lou D.  
Imasco Limited, Imperial Tobacco and  
Pharmaprix/Shoppers Drug Mart  
Jabalpurwala, Inez  
Jabalpurwala, Kaizer E.  
Jackman Foundation  
The Norman and Margaret Jewison  
Charitable Foundation  
Johnston, David  
Kaplan, Charles  
The Henry and Berenice Kaufmann Foundation  
Laliberté, June  
Laliberté, Natasha

Lawson, Brian D. and Joannah  
Lebrun, Manon  
William F. Lede Family Foundation  
The Alvin and Mona Libin Foundation  
Lind, Philip B.  
Lippman Leebosh April  
London Drugs Foundation  
Louie, Brandt C.  
Love, G. Donald\*\*  
MacDonald, Patricia  
Mackenzie Financial Services Inc.  
Mackie, James  
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Melcor Developments Ltd.  
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Mississauga South Federal Progressive  
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Muller, Linda  
Munroe-Blum, Heather  
Newall, J.E. (Ted)  
Peters, Robert G.  
Phillips, Anthony G.  
The Real Canadian Superstore  
Robb, Christopher J.  
Rothney, Bruce M.  
Rygiel, Edward K.  
SGI  
Saskatchewan Wheat Pool  
SaskTel TelCare  
Savard, Guy  
The Seagram Company Ltd.  
St. Joseph's Healthcare Foundation  
Stein, Richard B.  
Stewart, John M.  
Stripp, Bitten  
TD Bank Financial Group  
Tavender, Carolyn and David  
Theanon Charitable Foundation  
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Corporation Limited  
TransCanada Pipelines Ltd.  
Trimac Corporation  
The William and Nancy Turner Foundation  
UBS Bank (Canada)  
van Roon, Kenneth and Petrula  
Viner, Paula  
George Weston Limited  
Wynne-Edwards, Hugh

**We also extend a special thank you to our donors who made gifts to honour the memory of the following individuals:**

Rocky Colangelo  
Vincenzo Maiorano

\*\*deceased

*We make every effort to ensure the accuracy of this list. If we have made any errors, please accept our apologies.*

**NeuroScience Canada wishes to thank the following funders and partners for providing in-kind and other valuable support:**

Allon Therapeutics Inc. (formerly Neuro Discovery Inc.) for their valued partnership.

Canada Economic Development for Quebec Regions, for providing funds to support our infrastructure, enabling us to allocate the maximum dollars to our programs.

The McGill University Health Centre Foundation and especially its President and CEO, Mr. Donat J. Taddeo, for generously renting and sharing office space.

**Volunteer leadership for the National Brain Repair Fund Campaign**

**The commitment and energy of our campaign leaders and volunteers across Canada are a constant source of inspiration.**

*National Brain Repair Fund Campaign*

The Honourable Michael H. Wilson,  
National Chair (Toronto)  
J. Anthony Boeckh (Montreal)  
Marcel Côté (Montreal)  
Lili de Grandpré (Montreal)  
Rupert Duchesne (Montreal)  
Alan S. Dunnett (Winnipeg)  
George F. Gaffney (West Vancouver)  
J. Douglas Grant (Toronto)  
Stanley H. Hartt (Toronto)  
Paul J. Hill (Regina)  
Brian D. Lawson (Toronto)  
Bruce M. Rothney (Toronto)  
Robert K. Siddall (Winnipeg)  
John M. Stewart (Toronto)

*Alberta Initiative Volunteer Steering Group*

Anne Fraser, Chair (Calgary)  
Mary Cumming (Calgary)  
William D. Hawley (Calgary)  
Lou D. Hyndman (Edmonton)  
Barbara J. Sparrow (Calgary)  
Carolyn Tavender (Calgary)

## 2004 Partnership and Foundation \* Financial Report at a glance

### NeuroScience Canada Combined Financial Statements

At December 31	2004	2003
	\$	\$
<b>ASSETS</b>		
<b>Current Assets</b>		
Cash and cash equivalents	127,823	190,476
Temporary investments	3,354,351	1,627,407
Sundry receivables	18,550	12,057
Government grant receivable	-	27,033
Deposits	57,822	37,954
	3,558,546	1,894,927
Investments in private companies	751	751
	<b>3,559,297</b>	<b>1,895,678</b>
<b>LIABILITIES</b>		
<b>Current Liabilities</b>		
Accounts payable and accrued liabilities	10,724	17,276
Current portion of program commitments	1,862,885	1,243,390
	1,873,609	1,260,666
Program commitments		
Long term – with funds allocated	1,169,743	177,000
	3,043,352	1,437,666
<b>NET ASSETS</b>		
Unrestricted net assets	515,945	458,012
	<b>3,559,297</b>	<b>1,895,678</b>

At December 31	2004	2003
	\$	\$
<b>REVENUES</b>		
Restricted contributions	1,728,650	624,775
Canadian Institutes of Health Research	750,000	750,000
General contributions	10,000	-
	2,488,650	1,374,775
Less: deferred amount	(1,612,238)	(775,890)
	876,412	598,885
Government grants	13,353	56,004
Interest and other income	40,018	20,193
	929,783	675,082
<b>EXPENDITURES</b>		
Grants and awards	524,640	207,875
Operating expenses	347,210	374,942
	871,850	582,817
<b>Excess of revenues over expenditures for the year</b>	<b>57,933</b>	<b>92,265</b>

The financial statements of NCP - NeuroScience Canada Partnership and NCF - Neuroscience Canada Foundation are audited by KPMG LLP and are available upon request.



Accredited as an adherent to the Canadian Centre for Philanthropy's Ethical Fundraising and Financial Accountability Code. Information about the Code can be found at the website [www.ccp.ca](http://www.ccp.ca)