



braintumour
foundation
OF CANADA

RESEARCH GRANTS & AWARDS

2010 Edition

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Hope is obtained every day with new advances in neuro-oncology research in Canada. Over time, research has led to: technological improvements allowing us to view the brain, advances in surgical techniques, radiation practices and treatments for all tumour grades, and improvements in care for pediatric patients.

Since 1982, Brain Tumour Foundation of Canada has provided \$2.75 million to support this important research into the cause of and cure for brain tumours. This focus on funding research was established by the organization's co-founders, **Dr. Rolando Del Maestro, Pamela Del Maestro and Steve Northey** – to help fund better treatments and a cure for brain tumours. This includes the annual grant program supporting Canadian researchers, the new **William Donald Nash Brain Tumour Research Fellowship**, and honouring the important work of health care professionals with annual awards and sponsorships in the fields of neuroscience, neuro-oncology and psychosocial oncology. The lives of survivors and their families are also impacted by sponsorship and the support of a variety of other research initiatives including the Brain Tumour Tissue Bank.

It is because of the many gifts from the dedicated and determined brain tumour community that these steps forward are possible. Thank you to everyone who has made this funding possible.

The change and growth that this history of research efforts explains is inspiring and motivating to continue working towards the future. For more information about these research efforts, please visit our website, www.braintumour.ca.

Dr. Joseph Megyesi
Chair of the Board

Susan Marshall
Executive Director

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RESEARCH GRANTS & AWARDS

Supporting brain tumour research in Canada allows each of us who are affected by brain tumours to both better understand this disease and to move closer to finding new treatments, improving current treatments, and enhancing the quality of life for brain tumour patients.

The Research Grant Program provides support to Canadian researchers with critical funds that help to propel their research forward into the future.

Proposals that receive funding include research that involves any and/or all of the following:

The development of new concepts in patient-oriented research such as clinical trials, epidemiological studies, quality of life studies, outcomes, health services research, and pre-clinical research evaluating the therapeutic potential of recent discoveries in the basic mechanisms of either brain tumour pathogenesis or experimental therapeutics.

Innovative research proposals such as those that incorporate novel or original concepts that have the potential to make a difference are also considered. Applications for grants up to \$25,000 are considered on an annual basis.

The Research Grant Program is supported through a variety of efforts including the generosity of the Jones and Crone families. Since 2006, Alison and Darrell Jones and Howard and Michelle Crone have donated more than \$458,000 to fund brain tumour research grants awarded by Brain Tumour Foundation of Canada.

These gifts were made to honour Alison's brother Richard Motyka, a brain tumour survivor.

Thank you to these generous families who are helping researchers discover better treatments and find a cure.

Research grants have been awarded to the following projects:

PROJECT: Discovery of biomarkers to guide individualized therapy of brain metastasis

DR. CAROLINE CHUNG

**Princess Margaret Hospital,
Toronto, ON**

AWARD AMOUNT: \$24,850

PROJECT: Radiation Treatment effects on neurocognitive and psychosocial function in AYA brain tumour survivors

DR. KIM EDELSTEIN

**Princess Margaret Hospital,
Toronto, ON**

AWARD AMOUNT: \$24,593

PROJECT: Feasibility Study of Magnetic Resonance Spectroscopy and Dynamic Enhanced CT Scan Imaging in Gliomas: Predictive Value for Postradiation Relapse

DR. BARBARA FISHER

**The University of Western Ontario,
London, ON**

AWARD AMOUNT: \$23,750

PROJECT: Molecular correlates of outcome in patients with Glioblastoma Multiforme

DR. MARSHALL W. PITZ

**Cancer Care Manitoba,
Winnipeg, MB**

AWARD AMOUNT: \$25,000

PROJECT: Factors influencing the outcomes of low grade Astrocytoma: a population based study

DR. ARJUN SAHGAL

**University Toronto, Sunnybrook
Health Sciences Centre and
Princess Margaret Hospital,
University Health Network,
Toronto, ON**

AWARD AMOUNT: \$9,832

PROJECT: Role of DHX29 in the Pathogenesis of Brain Cancers

DR. NAHUM SONENBERG

McGill University, Montreal, QC

AWARD AMOUNT: \$24,960

PROJECT: Monitoring radiation treatment response of brain tumours in vivo using dynamic contrast-enhanced CT

DR. SLAV YARTSEV

**London Regional Cancer Program,
London Health Sciences Centre,
London, ON**

AWARD AMOUNT: \$23,362

2010 RESEARCH GRANT AWARD RECIPIENTS

PROJECT: Screening for Novel Therapeutics for Treatment of Glioma

DR. J. GREGORY CAIRNCROSS

University of Calgary, Calgary, AB

AWARD AMOUNT: \$24,914

PROJECT: Pooled risk factors analysis for childhood brain tumours in three completed studies

DR. CLAIRE INFANTE-RIVARD

Faculty of Medicine, McGill University, Montreal, QC

AWARD AMOUNT: \$25,000

PROJECT: Investigating the role of ShcD adaptor protein in brain tumours

DR. NINA JONES

University of Guelph, Guelph, ON

AWARD AMOUNT: \$25,000

PROJECT: Characterization of nanoparticle delivery across the blood brain barrier

DR. JAMES RUTKA

Hospital for Sick Children, Toronto, ON

AWARD AMOUNT: \$24,500

PROJECT: A Randomized Phase II Trial Comparing Whole Brain Radiation and Stereotactic Radiosurgery Vs. Stereotactic Radiosurgery alone following resection of single brain metastases

DR. LUIS SOUHAMI

McGill University Health Centre, Montreal, QC

AWARD AMOUNT: \$22,300

PROJECT: Value of Diffusion Tensor Imaging with Fiber Tracking in Determining Facial Nerve Position prior to Vestibular Schwannoma Resection

DR. SEAN SYMONS

Sunnybrook Health Sciences Centre, Toronto, ON

AWARD AMOUNT: \$25,000

2009 RESEARCH GRANT AWARD RECIPIENTS

2008 RESEARCH GRANT AWARD RECIPIENTS

PROJECT: Evaluation of magnetic resonance T1-weighted perfusion imaging in the diagnosis and therapeutic monitoring of patients presenting with cerebral gliomas.

DR. THANH BINH-NGUYEN

Ottawa, ON

AWARD AMOUNT: \$24,800

PROJECT: Combi-EGFR-,EGFR-vIII-DNA targeting molecules: a novel chemotherapeutic alternative to temodal-based therapy of gliomas

DR. JEAN-CLAUDE BERTRAND

McGill University,
Montreal, QC

AWARD AMOUNT: \$25,000

PROJECT: Molecular and Cellular Characterization of Tumour MGMT from Patients Treated with Temozolomide

**DR. ROLANDO F. DEL MAESTRO
AND WILLIAM FEINDEL**

Brain Tumour Research Centre,
Montreal Neurological Hospital
and Institute, Montreal, QC

AWARD AMOUNT: \$24,979.19

PROJECT: Determination of the methylation status of different regions within Glioblastoma multiforme and its relevance to treatment outcome

DR. MARK GILES HAMILTON

University of Calgary,
Calgary, AB

AWARD AMOUNT: \$23,740

PROJECT: Patterns of relapse for patients with glioblastoma treated in the "Stupp" era of chemoradiation.

**DR. JAMES PERRY AND
TONY CROLLA**

Sunnybrook Health Sciences
Centre and Odette Cancer Centre,
Toronto, ON

AWARD AMOUNT: \$15,000

PROJECT: A phase II study of hair sparing intensity modulated whole brain radiotherapy and topical Tempol in the treatment of brain metastases.

DR. DAVID ROBERGE

McGill University Health Centre,
Montreal, QC

AWARD AMOUNT: \$9,575.24

PROJECT: Thalamic Brain Tumours in Canada in the MRI era

DR. PAUL STEINBOK

University of British Columbia,
Children's & Women's Health
Centre of British Columbia,
Vancouver, BC

AWARD AMOUNT: \$25,000

PROJECT: A driving simulator study of brain tumour patients with focal cerebellar lesions

DR. MICHAEL CUSIMANO

**St. Michael's Hospital,
Toronto, ON**

AWARD AMOUNT: \$25,000

PROJECT: Evaluation of biomarkers in relation to recurrence rate in childhood ependymoma

DR. JULIETTE HUKIN

**BC Children's Hospital,
Vancouver, BC**

AWARD AMOUNT: \$24,975

Funding supported through proceeds from London Rigatoni for Research

PROJECT: Hippocampal Radiosurgery Exposure and Memory

DR. CYNTHIA MENARD

**Princess Margaret Hospital,
Toronto, ON**

AWARD AMOUNT: \$22,950

PROJECT: Clinical features, epidemiology, pathophysiology, and treatment of epilepsy associated with cerebral oligodendrogliomas in adults and children

DR. SEYED M. MIRSATTARI

**London Health Sciences Centre,
London, ON**

AWARD AMOUNT: \$24,795

PROJECT: Little patients are losing patience: Studies to evaluate urgently needed therapeutic agents for the treatment of atypical teratoid rhabdoid tumour of the CNS

DR. ARU NARENDRAN

**Alberta Children's Hospital,
Calgary, AB**

AWARD AMOUNT: \$25,000

PROJECT: Development of new functional neuroimaging tools for the assessment of high-order cognitive functions in patients with low-grade gliomas

DR. MICHAEL PETRIDES

**Montreal Neurological Institute,
Montreal, QC**

AWARD AMOUNT: \$25,000

PROJECT: Perceived benefits of and barriers to participation in support groups for patients and caregivers living with a brain tumour

MAUREEN DANIELS, BScN RN

**The Gerry & Nancy Pencer Brain
Tumour Centre, Princess Margaret
Hospital, Toronto, ON**

AWARD AMOUNT: \$24,850

2007 RESEARCH GRANT AWARD RECIPIENTS

2006 RESEARCH GRANT AWARD RECIPIENTS

PROJECT: Multi-Modality Radiation Treatment Planning for Malignant Glioma

DR. GLENN BAUMAN

**London Regional Cancer Program,
London Health Sciences Centre,
Schulich School of Medicine
& Dentistry, The University of
Western Ontario, London, ON**

AWARD AMOUNT: \$25,000

PROJECT: Accelerated Radiation Therapy with Tomotherapy Simultaneous Integrated Boost (ART SIB) using Intensity Modulated Radiation Therapy (IMRT) with Concomitant and Adjuvant Temozolomide Chemotherapy for the Treatment of Glioblastoma

DR. JEAN-MICHEL CAUDRELIER

**Ottawa Regional Cancer Centre,
University of Ottawa,
Ottawa, ON**

AWARD AMOUNT: \$24,285

PROJECT: Measurement of Functional Impairments and Adaptational Efforts in Persons with Malignant Gliomas: A Prospective Mixed Methods Study

MAUREEN PARKINSON

**BC Cancer Agency,
Vancouver, BC**

AWARD AMOUNT: \$13,828

PROJECT: Evaluation of Temozolomide and MGMT levels in tumour tissues

DR. ROLANDO DEL MAESTRO

**Brain Tumour Research Centre,
Montreal Neurological Institute,
Montreal, QC**

AWARD AMOUNT: \$25,000



2005 RESEARCH GRANT AWARD RECIPIENTS

PROJECT: Butyrylcholinesterase and primary brain tumours: mechanisms and treatment options

DR. SULTAN DARVESH

**Dalhousie University,
Halifax, NS**

AWARD AMOUNT: \$25,000

PROJECT: Sodium alginate bead bioreactor technology for the sustained delivery of anti-invasive compounds in an in vivo medulloblastoma model.

DR. ROLANDO DEL MAESTRO

**Brain Tumour Research Centre,
Montreal Neurological Institute,
Montreal, QC**

AWARD AMOUNT: \$25,000

PROJECT: Visualizing invading glioma cells with magnetic resonance imaging (MRI)

DR. BRIAN K. RUTT

**Imaging Group,
Robarts Research Institute,
London, ON**

AWARD AMOUNT: \$25,000

PROJECT: Determination of human brain tumour therapy response using an Ex Vivo invasion assay - a potential step toward individualized treatment

DR. PENELOPE C. COSTELLO

**The University of Western Ontario,
London, ON**

AWARD AMOUNT: \$25,000

PROJECT: Increasing the recurrence-free interval for patients with malignant brain tumours by decreasing glutathione-mediated resistance to radiotherapy

DR. ROBERT GRIEBEL

**Royal University Hospital,
University of Saskatchewan,
Saskatoon, SK**

AWARD AMOUNT: \$20,000

PROJECT: Expression of angiopoietins 1 and 2 as indicators of angiogenesis in brain tumours

DR. ROBERT HAMMOND

**London Health Sciences Centre,
The University of Western Ontario,
London, ON**

AWARD AMOUNT: \$20,000

PROJECT: Identification of Genetic Markers of Chemosensitivity in Medulloblastoma Tumours

DR. ANNIE HUANG

**Labatt's Brain Tumour Research
Centre, Hospital for Sick Children,
Toronto, ON**

AWARD AMOUNT: \$20,000

PROJECT: Molecular Genetic Analysis of Tumour progression in Oligodendrogliomas

DR. BRIAN THIESSEN

**Vancouver General Hospital and
Department of Medical Oncology,
BC Cancer Agency, Vancouver, BC**

AWARD AMOUNT: \$20,000

PROJECT: Metabolic imaging of human malignant gliomas using 4.0 Tesla magnetic resonance spectroscopy

DR. CHRISTOPHER WATLING

**The University of Western Ontario,
London Regional Cancer Centre,
Robarts Research Institute,
London, ON**

AWARD AMOUNT: \$20,000

2004 RESEARCH GRANT AWARD RECIPIENTS

1988-1998 RESEARCH GRANT AWARD RECIPIENTS

1998

Four Grants-in-Aid

AWARD AMOUNT: \$45,000

1991

Two Grants-in-Aid

AWARD AMOUNT: \$32,000

1997

Seven Grants-in-Aid

AWARD AMOUNT: \$71,050

1990

One Grant-in-Aid

AWARD AMOUNT: \$13,550

1993

Three Grants-in-Aid

AWARD AMOUNT: \$60,000

1989

Two Grants-in-Aid

AWARD AMOUNT: \$25,338

1992

Three Grants-in-Aid

AWARD AMOUNT: \$60,000

1988

One Grant-in-Aid

AWARD AMOUNT: \$10,933

WILLIAM DONALD NASH BRAIN TUMOUR RESEARCH FELLOWSHIP

Thanks to a generous bequest from **William 'Bill' Nash**, a dairy farmer from Ingersoll, Ontario, the **William Donald Nash Brain Tumour Research Fellowship** will encourage young clinicians and scientists to enter the field of brain tumour research. The fellowship will also accelerate studies leading to a cure for brain tumours.

Each fellowship runs for two years and includes annual funds to cover salary and lab expenses of \$50,000. A new candidate will be chosen every two years starting in 2010.

2010

TITLE OF PROJECT: Active-Site mTOR Inhibitors and Oncolytic Viruses against Malignant Gliomas

DR. TOMMY ALAIN

Post-doctoral Fellow, Biochemistry

McGill University, Montreal, QC

AWARD AMOUNT: \$100,000 over two years



Marianne Lee, Dr. Tommy Alain and Dr. Megyesi.

OTHER RESEARCH FUNDING

MEDICAL FELLOWSHIPS

Before the development of the Research Grant Program, medical fellowships helped improve patient care and worked towards the vision to find the cause of and a cure for brain tumours.

1998

DR. V. AMBERGER

FELLOWSHIP AMOUNT: \$17,500

1997

DR. V. AMBERGER

FELLOWSHIP AMOUNT: \$71,050

1995

DR. MASASHI TAMAKI

FELLOWSHIP AMOUNT: \$27,500

1992

DR. ANDY VAITHILINGHAM

FELLOWSHIP AMOUNT: \$17,120

1991

FELLOWSHIP AMOUNT: \$32,613

1990

FELLOWSHIP AMOUNT: \$42,018

OTHER RESEARCH FUNDING

1989

FELLOWSHIP AMOUNT: \$26,890

1988

FELLOWSHIP AMOUNT: \$16,730

1987

FELLOWSHIP AMOUNT: \$27,304

1986

FELLOWSHIP AMOUNT: \$36,286

Cavitron Ultrasonic Aspirator

1985

The first significant research project undertaken by Brain Tumour Foundation of Canada was to support the equipment purchase of a **Cavitron Ultrasonic Aspirator** which assists with tumour diagnosis by effectively removing usable portions of intracranial tumours. By obtaining usable portions of tumours, accurate diagnosis can be obtained and effective treatment determined.

Victoria Hospital, London, ON

Cavitron Ultrasonic Aspirator

FELLOWSHIP AMOUNT: \$95,000

PROFESSIONAL ASSOCIATION AWARDS

AWARD FOR EXCELLENCE IN NEUROSCIENCE NURSING



This annual award is presented to a member of the **Canadian Association of Neuroscience Nurses (CANN)** who demonstrates excellence in the area of neuroscience nursing related to brain tumours. Established in honour of **Pamela Del Maestro**, RN, BSc, CANN member and a co-founder of Brain Tumour Foundation of Canada, the award includes funds for professional development, a framed recognition certificate and the publication of the winner's paper in the Canadian Journal of Neuroscience Nursing.

2010 CANN WINNERS

TITLE: Truth-telling and an adolescent diagnosed with a malignant brain tumour: Who are we protecting?

**DZIGBORDI BANKAS, RN; BEVERLY ESPEDIDO, RN;
ARBELLE MANICAT-EMO, RN; LAURA
BRADBURY, RN**

Hospital for Sick Children, Toronto, ON

AWARD AMOUNT: \$1,500

2009 CANN WINNER

TITLE: Neurofibromatosis 2 – A Family Journey

LINDA CLARKE

QEII Health Sciences Centre, Halifax, NS

AWARD AMOUNT: \$1,500

2008 CANN WINNERS

TITLE: Discharge Management of an Adolescent Female With Medulloblastoma and Posterior Fossa Syndrome

**LISA PEARLMAN, KERRY HUNTER AND
ALISON MCVITTIE**

**Children's Hospital, London Health Sciences Centre,
Acquired Brain Injury Program, London, ON**

AWARD AMOUNT: \$1,000

2007 CANN WINNERS

TITLE: Glomus Tumours: Are they really so benign?

**WENDY BLACKBURN, CATHERINE MORASH AND
GRACE LEUNG**

**Sunnybrook and Women's Health Sciences Centre,
Toronto, ON**

AWARD AMOUNT: \$1,000

2006 CANN WINNER

TITLE: Ongoing Transitions: the impact of a malignant brain tumour on patient and family

YASMIN KHALILI

Montreal Neurological Hospital, Montreal, QC

AWARD AMOUNT: \$1,000

2005 CANN WINNERS

NOT AWARDED

2004 CANN WINNER

TITLE: Kerry's story: The challenges of facing a recurrent craniopharyngioma

JODI DUSIK-SHARPE

Health Sciences Centre, Winnipeg, MB

AWARD AMOUNT: \$1,000

2003 CANN WINNERS

NOT AWARDED

2002 CANN WINNERS

ANNE WYNESS AND MARGARET BOROZNY

University of British Columbia, Vancouver, BC

AWARD AMOUNT: \$1,000

2001 CANN WINNERS

NOT AWARDED

2000 CANN WINNER

IRENE LEBOEUF

Montreal Neurological Institute, Montreal, QC

AWARD AMOUNT: \$1,000

AWARD FOR EXCELLENCE IN NEURO-ONCOLOGY NURSING



Established in 2005, this annual award is presented to a member of the **Canadian Association of Nurses in Oncology (CANO)** to acknowledge the exemplary work of nurses in the area of neuro-oncology nursing. The purpose of the award is to promote the dissemination of information related to the nursing care of children, adults and families with brain tumours. The award includes funds to support continuing education and a framed recognition certificate presented at the annual **CANO** conference. Submitted abstracts may reflect clinical practice, education or research related to the neuro-oncology population.

2010 CANO WINNER

TOPICS: Neurological Examination: putting it into oncology practice and A Nurse-led Session: An innovative educational approach for patients with high grade gliomas

CATRIONA LECKIE

Department of Neuro-Oncology, Tom Baker Cancer Centre, Calgary, AB

AWARD AMOUNT: \$1,500

2009 CANO WINNERS

NOT AWARDED

2008 CANO WINNERS

PROJECT: Perfexion Gamma Knife Radiation Treatment: When the Extraordinary becomes Ordinary

BARB WILLSON, RN, MS, CON(C); ANNE BRADWELL, RN; SANDRA CHAPMAN, RN; LEELA KESAVAN, RN

Princess Margaret Hospital, University Health Network, Toronto, ON

AWARD AMOUNT: \$1,000

2007 CANO WINNER

PROJECT: Measurement of Functional Impairments and Adaptational Efforts in Persons with Malignant Gliomas: A Prospective Mixed Methods Study

ROSEMARY CASHMAN

BC Cancer Agency, Vancouver, BC

AWARD AMOUNT: \$1,000

2006 CANO WINNER

PROJECT: An Evidence Based Approach to the Development of a Brain Tumour Support Group

LORRIANNE TOPF

BC Cancer Agency, Kelowna, BC

AWARD AMOUNT: \$1,000

2005 CANO WINNERS

PROJECT: Tumours of Glial Origin: Confined Complexity

CINDY CUMMINGS-WINFIELD AND SUSAN KING

Cross Cancer Institute, Edmonton, AB

AWARD AMOUNT: \$1,000

AWARD FOR EXCELLENCE IN PSYCHOSOCIAL ONCOLOGY



Canadian Association of Psychosocial Oncology
Association Canadienne d'Oncologie Psychosociale

Established in 2008, this annual award is presented to a member of the **Canadian Association of Psychosocial Oncology (CAPO)** to acknowledge the exemplary work of psychosocial oncology professionals. **CAPO** members are invited to submit abstracts, papers or posters to the awards committee for the annual **CAPO** conference. The award includes funds to support continuing education and a framed recognition certificate presented at the annual **CAPO** conference. Submitted abstracts may reflect clinical practice, education or research related to the psychosocial oncology population.

2010 CAPO WINNER

TITLE: The Neurocognitive Late Effects of Treatment in Adult Survivors of Childhood Cancer

DR. KIM EDELSTEIN

Princess Margaret Hospital, Toronto, ON

AWARD AMOUNT: \$1,500

2009 CAPO WINNERS

PROJECT: Comparison of Two Cognitive Screening Measures, the Mini Mental State Examination (MMSE) and Montreal Cognitive Assessment (MoCA), in patients with brain tumours.

DR. ROBERT OLSON; HANNAH CAROLAN; ANN-LOUSIE ELLWOOD; MAUREEN PARKINSON; KYLE FERGUSON; DR. GRANT IVERSON; MICHAEL MCKENZIE

BC Cancer Agency, Vancouver, BC

AWARD AMOUNT: \$1,500

2008 CAPO WINNERS

PROJECT: Quality of Life of Spousal Caregivers of Primary Malignant Brain Tumour Patients

DR. GUY PELLETIER AND TRACEY WORNSBECKER

University of Calgary, Calgary, AB

AWARD AMOUNT: \$1,000

SCIENTIFIC MEETING SPONSORSHIPS

BIENNIAL CANADIAN NEURO-ONCOLOGY CONFERENCE

The **Canadian Neuro-Oncology Conference (CNO)** is run by the **Canadian Brain Tumour Consortium**, of which Brain Tumour Foundation of Canada is a member. Brain Tumour Foundation of Canada provides sponsorship at each biennial CNO Conference in honour of Dr. Rolando Del Maestro, neurosurgeon, researcher, and Brain Tumour Foundation of Canada co-founder.

2010

Sponsorship supported the 2010 CNO conference held in Niagara-on-the-Lake, ON, May 12-16, 2010

2008

Sponsorship supported Dr. John Sampson, Associate Professor of Surgery, Associate Professor of Pathology, Associate Deputy Director, The Preston Robert Tisch Brain Tumor Center at Duke University, giving Brain Tumour Foundation of Canada Lectureship.

Banff, AB, May 16-18, 2008

SPONSORSHIP AMOUNT: \$5,000

2006

Sponsorship supported Dr. Arie Perry, Associate Professor, Division of Neuropathology, Washington University School of Medicine

"Meningiomas" current classification and molecular features

Winnipeg, MB, May 26-28, 2006

SPONSORSHIP AMOUNT: \$5,000

2004

Sponsorship supported Dr. Edward Shaw, Chair of Radiation Oncology, Wake Forest University School of Medicine

Current concepts in the etiology and treatment of radiation-induced brain injury

Toronto, ON, May 28-30, 2004

SPONSORSHIP AMOUNT: \$5,000

2002

Canadian Congress of Neurological Sciences Scientific Award

SPONSORSHIP AMOUNT: \$5,000

2000

Canadian Congress of Neurological Sciences Scientific Award

SPONSORSHIP AMOUNT: \$3,000

1998

Canadian Congress of Neurological Sciences Conference

SPONSORSHIP AMOUNT: \$5,000

1996

Canadian Congress of Neurological Sciences Conference

SPONSORSHIP AMOUNT: \$2,000

OTHER SCIENTIFIC MEETING SPONSORSHIPS

2007

4th Annual Cross Lectureship in Brain Tumour Research (Patient-Focused)

**Odette Cancer Centre at Sunnybrook Health Sciences Centre,
Toronto, ON, October 2007**

SPONSORSHIP AMOUNT: \$1,500

Brain Tumour Information and Support Evening (Patient-Focused)

**CancerCare Manitoba,
Winnipeg, MB, October 2007**

SPONSORSHIP AMOUNT: \$1,600

2006

Brain Tumour Information and Support Evening (Patient-Focused)

**Cancer Care Manitoba,
Winnipeg, MB, October 2007**

SPONSORSHIP AMOUNT: \$1,600

Share Conference: Survivor's Health: Advocating for Resources and Education

**Children's Hospital of Eastern Ontario,
Ottawa, ON, November 4, 2006**

SPONSORSHIP AMOUNT: \$250

2003

Glioma Invasion Scientific Conference

SPONSORSHIP AMOUNT: \$5,000

1994

Symposium on Brain Tumours

SPONSORSHIP AMOUNT: \$2,250

1991

Canadian Neuro-Oncology Conference

SPONSORSHIP AMOUNT: \$2,000

1990

Canadian Neuro-Oncology Conference

SPONSORSHIP AMOUNT: \$2,000

1988

Canadian Neuro-Oncology Conference

SPONSORSHIP AMOUNT: \$3,360

COLLABORATIVE RESEARCH GRANTS

To further the impact of important brain tumour research, Brain Tumour Foundation of Canada has formed a partnership with seven other non-profit, philanthropic and advocacy organizations from the United States. This partnership has led to the launch the Brain Tumor Funders' Collaborative whose aim is to further brain tumour research. The goal is to promote collaborative, innovative and novel research approaches for pre-clinical systems to accelerate more effective outcomes for patients with gliomas.

Eleven funded projects of \$400,000 were awarded in 2010:

2010

Children's Hospital Boston

INVESTIGATOR: EDWARD R. SMITH

Urinary Biomarkers for Non-invasive Assessment of Therapeutic Efficacy in Glioma

Emory University School of Medicine

INVESTIGATOR: ERWIN G. VAN MEIR

Development of Protein Arrays for the Detection of Biomarkers in the CSF of Brain Tumor Patients

Johns Hopkins University

INVESTIGATOR: JAISHRI O. BLAKELEY

Amide Proton Transfer MR Imaging to Assess Tumor Response in Patients with Gliomas

Johns Hopkins University

INVESTIGATOR: LUIS A. DIAZ

Circulating Tumor DNA as a Dynamic Biomarker in Malignant Gliomas

Johns Hopkins University

INVESTIGATOR: ALENA HOSKA

Non-invasive Assessment of Glutamate in Glioblastoma Multiforme: Effect of Treatment

Massachusetts General Hospital

INVESTIGATOR: BOB S. CARTER

Exosome Analysis: A Non-Invasive Approach to Monitor Treatment Responses in Glioma Patients

Memorial Sloan-Kettering Cancer Center

INVESTIGATOR: ANDREW B. LASSMAN

Molecular Determinants of [18F]FACBC-PET Imaging in Brain Tumors

University of California (David Geffen School of Medicine at UCLA)

Investigator: WHITNEY B. POPE

Combining Genomics with Physiologic Imaging Biomarkers to Predict and Follow Treatment Response in Glioma

COLLABORATIVE RESEARCH GRANTS

University of Texas MD Anderson Cancer Center

INVESTIGATOR: KENNETH D. ALDAPE

A combined molecular and clinical predictor of progression vs. pseudoprogression in newly diagnosed GBM

University of Washington

INVESTIGATOR: KRISTIN R. SWANSON

Patient-specific Metrics of Treatment Response

Vanderbilt University Medical Center

INVESTIGATOR: KYLE D. WEAVER

Monitoring Response to Therapy in Malignant Glioma Patients Using Blood-Based Epigenomic and Proteomic Biomarkers

Three projects were awarded in 2006:

2006

Kennedy-Krieger Institute, Johns Hopkins, Baltimore MD

INVESTIGATOR: DR. JOHN LATERR

Tumour Stem Cell-Based Drug Discovery for Adult and Pediatric Glioma

David Geffen School of Medicine at UCLA

INVESTIGATOR: DR. PAUL MISCHEL

Molecularly Guided Clinical Trials for Glioma

American College of Radiology/Radiation Therapy
Oncology Group

INVESTIGATOR: DR. MINESH MEHTA

Identifying and Overcoming Resistance Mechanisms in
Glioblastomas: A Joint EORTC-RTOG Effort

To learn more about these research grant awards, visit the
Brain Tumour Funders' Collaborative website at
www.braintumorfunders.org.

BRAIN TUMOR FUNDERS' COLLABORATIVE

- American Brain Tumor Association (ABTA)
- Brain Tumour Foundation of Canada
- Children's Brain Tumor Foundation (CBTF)
- Goldhirsh Foundation
- Ben and Catherine Ivy Foundation
- James S. McDonnell Foundation
- National Brain Tumor Society (NBTS)
- Sontag Foundation

BRAIN TUMOUR TISSUE BANK

Since 1999, Brain Tumour Foundation of Canada has been the sole funder to the exciting work performed by the **Brain Tumour Tissue Bank**, located at **London Health Sciences Centre** in London, Ontario. To aid researchers, the **Brain Tumour Tissue Bank** collects human brain tumour specimens and matches clinical data for neuro-oncology research in Canada and internationally.

To date, Brain Tumour Foundation of Canada has provided more than **\$640,000** to fund the **Brain Tumour Tissue Bank** since its opening in 1991. In 2009, **\$83,000** was dedicated to cover the operating costs for the year to ensure that researchers will always have access to a variety of tumours and normal brain tissue for molecular, protein, enzyme and immunohistochemical studies.

In 2009, 67 cases were collected. These cases yielded 335 snap frozen and 34 OCT embedded vials for research.

Since it opened, the **Brain Tumour Tissue Bank** has provided hundreds of investigators with tissue samples. This includes 30 Canadian research centres and 30 additional research centres from around the world.



2010 RESEARCH COMMITTEE

It is with a tremendous amount of support from volunteer committee members that each year the awardees of the Brain Tumour Research Grants and the William Donald Nash Brain Tumour Research Fellowship are selected.

OUR DEEPEST APPRECIATION IS EXTENDED TO THE 2010 RESEARCH COMMITTEE.

Phyllis Retty (Chair)

Diane McAuley , MD

Chantalle Butler

Joseph Megyesi, MD

Jane Hauser

Adrianna Ranger, MD

Marianne Lee

Susan Ruypers

Susan Marshall



LEGACY GIVING

YOUR GIFT IS YOUR LEGACY OF HOPE AND COMPASSION.

A legacy gift makes a difference in the lives of those making the journey with a brain tumour. Your gift for tomorrow ensures that the support and information critical to patients and their families will continue to be provided by Brain Tumour Foundation of Canada without charge. You bring hope that in the future, brain tumour research will continue to forge new treatments and find a cure.

Legacy gifts come in many forms: bequests, life insurance policies, endowment gifts and gifts of stocks or securities.

To donate or for additional information about how your contribution makes an impact in the lives of those affected by a brain tumour, please contact:

Susan Relecom

Director of Development

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LEARN MORE ABOUT THE RESEARCH TO FIND THE CAUSE OF AND CURE FOR BRAIN TUMOURS, AND ALL OF THE SUPPORT, EDUCATION AND INFORMATION AVAILABLE TO THOSE AFFECTED BY A BRAIN TUMOUR.



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