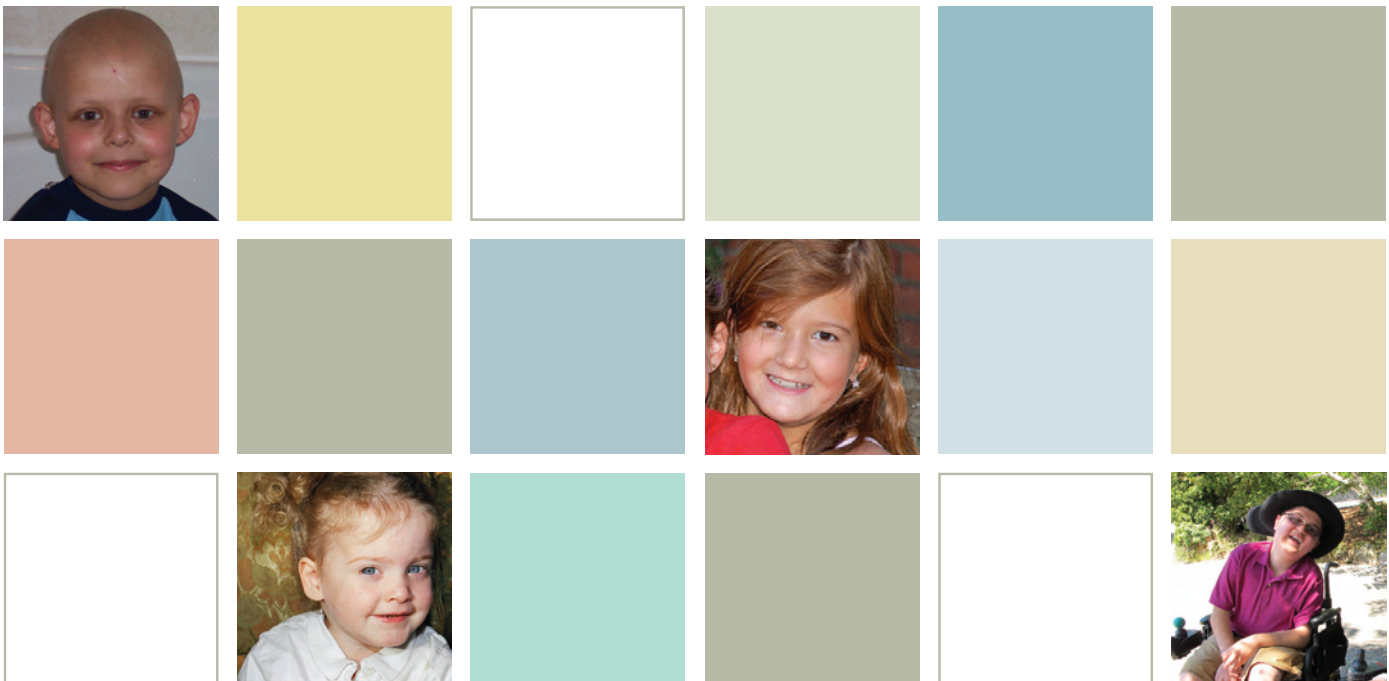


**CHILD
& FAMILY
RESEARCH
INSTITUTE**

Science Making **Miracles**

research today
for **cures** tomorrow

2009/10 Annual Report



The Child & Family Research Institute (CFRI) conducts discovery, clinical and applied research to benefit the health of children and families. It is the largest institute of its kind in Western Canada. There are over 200 investigators and more than 260 trainees, including graduate students and postdoctoral fellows, at CFRI.

CFRI works in close partnership with the University of British Columbia, and the Centre for Molecular Medicine and Therapeutics; BC Children's Hospital and Sunny Hill Health Centre for Children, BC Women's Hospital & Health Centre, and BC Mental Health & Addiction Services, agencies of the Provincial Health Services Authority; and BC Children's Hospital Foundation.

CFRI has additional important relationships with British Columbia's (B.C.'s) five regional health authorities and with B.C. academic institutions Simon Fraser University, the University of Victoria, the University of Northern British Columbia and the British Columbia Institute of Technology.

Science Making Miracles

Vision We passionately pursue discovery, knowing our achievements have the capacity to transform lives.

Mission The Child & Family Research Institute conducts discovery research to benefit the health of children and families.

Values We work in an environment that values:

- Integrity
- Excellence
- Transformation
- Interaction
- Openness

Research clusters

- Childhood Cancer & Blood Research
- Diabetes, Nutrition & Metabolism
- Developmental Neurosciences & Child Health
- Genetics & Health
- Immunity in Health & Disease
- Innovations in Acute Care & Technology
- Reproduction & Healthy Pregnancy

Research partner

- Centre for Molecular Medicine and Therapeutics



www.cfri.ca

950 West 28th Avenue, Vancouver, BC Canada V5Z 4H4
Phone: 604.875.3194 | Fax: 604.875.2496



(Left) Dr. Don Brooks, Chair, Board of Directors, Child & Family Research Institute (CFRI) and Associate Vice President, Research & International, University of British Columbia

(Right) Dr. Jan Friedman, Acting Executive Director (ED), CFRI, and Dr. Stuart MacLeod, former ED, CFRI and current Vice President, Academic Liaison and Research Coordination, Provincial Health Services Authority



Board Chair Comment

Change is good. It's an opportunity for organizations to find new ways of looking at old problems. It's been a busy and challenging year for the Child & Family Research Institute (CFRI). We transitioned from Dr. Stuart MacLeod's leadership to Dr. Jan Friedman as Acting Executive Director while the Board of Directors' search committee recruits a permanent head for the institute. The extraordinary calibre of the applicants is a testament to the stature of CFRI. Dr. Friedman is doing a great job as Acting Executive Director, keeping CFRI steady and on course during a time of transition.

On behalf of CFRI, I'd like to recognize the enormous debt we owe to Dr. Stuart MacLeod, who retired as CFRI's Executive Director at the beginning of 2010. Over his six years at the helm, he implemented a wonderful vision for CFRI. It's a different-looking place now than when he first came. Under his leadership, and that of former Board Chair Maurice Mourton, CFRI built a new research complex, which allowed recruitment of brilliant scientists to solve the health problems facing children and their families. During Dr. MacLeod's tenure, CFRI instituted a membership program and enhanced support for clinical research. Dr. MacLeod also championed PHSA's and UBC's vision of an academic health sciences centre on the Oak Street campus, which included establishing the UBC C&W Research Ethics Board.

I'd like to thank Maurice Mourton for his service to CFRI as former Chair, Patricia Hanbury and Dr. David Hardwick who also retired from the Board last year. We are indebted to Sue Carruthers, who retired this year as President and CEO of BC Children's Hospital Foundation and was not only a member of our Board, but also one of our strongest supporters.

On behalf of CFRI, I'd particularly like to thank BC Children's Hospital Foundation for their ongoing strong support. If there's one thing that makes CFRI stand out, it's the Foundation. Their investment in CFRI is something for which they are both famous and admired.

This past year we welcomed Dr. Jane Ingman-Baker, Chris Carty and Kathryn Hayashi to our Board. New members have brought a fresh perspective to the organization. We are reviewing the Board's governance mandate, which will make a big change in how CFRI operates. There's a lot of positive energy from the Board to address CFRI's challenges and opportunities.

This time next year, things will look a lot different for CFRI. A permanent Executive Director will be in place, with a first priority of strategic planning – a key recommendation arising from CFRI's external review last summer. There will be new heads for the UBC academic departments on campus: Pediatrics, Obstetrics & Gynaecology, and Medical Genetics, and there will be a new permanent leader for the Foundation. Since April 1, 2010, the recruitment of leading scientists has continued with the arrival of Dr. Anthony Bailey, Dr. Heather MacDonald, Dr. Megan Levings, Dr. Robert McMahon, Dr. Evelyn Stewart and Dr. Naznin Virji-Babul.

I'm optimistic for the bright future that lies ahead for CFRI.

Executive Comment

Our passion is to learn how to make children healthier. Our clinician scientists work at the bedside to find ways to prevent disease and improve the treatment of sick children. Our laboratory investigators tear apart molecules to discover how cells work. Our community and population health researchers are finding insights into broader causes of illness. All of the people at the Child & Family Research Institute (CFRI) are dedicated to making sure that the children in British Columbia (B.C.) benefit from important scientific advances occurring throughout the world.

The year 2009/10 was one of opportunity and change. Our investigators received funding for several exciting new research projects that promise to improve child health. Among them:

- Dr. Daniel Goldowitz received \$19.5 million from the Networks of Centres of Excellence to establish a national research network focused on understanding child brain development.
- Dr. Ian Pike was awarded \$2 million to develop a new research team in child and youth injury prevention.

Our achievements couldn't happen without the generosity of the community that supports BC Children's Hospital Foundation. Funding provided to us by the Foundation pays for our investigators and supports their graduate students and post-doctoral fellows, who are embarking on careers dedicated to improving the health of children. With the Foundation's support, we've recruited four outstanding new scientists over the past year:

- Dr. Jan Ehses is researching new strategies to protect the insulin-producing beta cells and promote their survival in children with diabetes.
- Dr. Rajavel Elango is studying the protein requirements of children and pregnant women to help provide them with better dietary recommendations.
- Dr. Christopher Maxwell is investigating the roles of specific proteins during the life cycles of cells, with the aim of discovering new anti-cancer drug targets and improving current treatments.
- Dr. Matthew Farrer, holder of the University of British Columbia's (UBC's) only Canada Excellence Research Chair, is unravelling the molecular origins of brain diseases in children and adults.

Our successes don't happen in isolation. We depend on our partners – UBC, the Centre for Molecular Medicine and Therapeutics, BC Children's Hospital and Sunny Hill Health Centre for Children, BC Women's Hospital & Health Centre, BC Mental Health & Addiction Services, the Provincial Health Services Authority, BC Children's Hospital Foundation and others – and we are grateful to them. Together we have made CFRI an environment that's ripe for discovery and for the translation of those discoveries into better health for the children of B.C.

List of Funders 2009/10

FOUNDATIONS AND GRANTING AGENCIES/ORGANIZATIONS

Advanced Foods and Materials Network (AFMNet) – Networks of Centres of Excellence (NCE)
 AllerGen NCE Inc. – Allergy, Genes and Environment Network
 ALS Society of Canada
 Alzheimer Society of Canada
 Alzheimer's Drug Discovery Foundation
 American Heart Association
 Arthritis Society
 Autism Speaks
 BC Children's Hospital Foundation
 BC Medical Services Foundation
 BC Transplant Research Foundation
 Brain Tumour Foundation of Canada
 British Columbia Lung Association
 British Columbia Prader Willi Syndrome Association
 Burroughs Wellcome Fund
 C17 Research Network
 Canada Foundation for Innovation
 Canada Research Chairs
 Canadian Anesthesiologists' Society
 Canadian Arthritis Network (CAN) – Networks of Centres of Excellence (NCE)
 Canadian Association of Gastroenterology
 Canadian Breast Cancer Foundation
 Canadian Cancer Society
 Canadian Cancer Society Research Institute
 Canadian Child Health Clinician Scientist Program
 Canadian Cystic Fibrosis Foundation
 Canadian Diabetes Association
 Canadian Foundation for AIDS Research
 Canadian Immunodeficiency Society
 Canadian Institute for Advanced Research
 Canadian Institutes of Health Research
 Canadian Liver Foundation
 Canadian Paediatric Society
 Canucks for Kids Fund
 Centre de santé et de services sociaux de Chicoutimi
 CHDI Foundation, Inc.
 Child Health BC
 Crohn's & Colitis Foundation of Canada
 Cystic Fibrosis Foundation (U.S.)
 Cystic Fibrosis Foundation Therapeutics, Inc.
 Fanconi Canada
 Genome British Columbia
 Heart and Stroke Foundation of BC & Yukon
 Heart and Stroke Foundation of Canada
 High Q Foundation
 HP Therapeutics Foundation
 Huntington Society of Canada
 Huntington's Disease Society of America
 International Human Frontier Science Program Organization
 International Pediatric Association
 Jack and Doris Brown Foundation
 Juvenile Diabetes Research Foundation International
 Lawson Foundation
 Lotte & John Hecht Memorial Foundation
 March of Dimes (U.S.)
 Massage Therapists Association of British Columbia
 Medbuy Corporation

Michael Smith Foundation for Health Research
 Multiple Sclerosis Society of Canada
 Muscular Dystrophy Canada
 National Childhood Cancer Foundation (U.S.)
 National Institutes of Health
 National Marrow Donor Program
 National Multiple Sclerosis Society (U.S.)
 Natural Sciences and Engineering Research Council of Canada
 Networks of Centres of Excellence (NCE)
 NeuroDevNet – Networks of Centres of Excellence (NCE)
 Ontario Genomics Institute
 Ontario Institute for Cancer Research
 Ontario Neurotrauma Foundation
 Pacific Alzheimer Research Foundation
 Rare Disease Foundation
 Rx&D Health Research Foundation
 Saskatchewan Ministry of Health
 Savoy Foundation for Epilepsy
 Scottish Rite Charitable Foundation of Canada
 SickKids Foundation
 Social Sciences and Humanities Research Council of Canada
 St. Baldrick's Foundation
 Stem Cell Network (SCN) – Networks of Centres of Excellence (NCE)
 Stollery Children's Hospital Foundation
 The Arthritis Society – British Columbia and Yukon Division
 The Association of Hemophilia Clinic Directors of Canada
 The Association of Professors of Obstetrics & Gynaecology of Canada (APOG)
 The Automobile of the 21st Century (AUTO21) – Networks of Centres of Excellence (NCE)
 The Blue Sky Foundation
 The Canadian Society for Mucopolysaccharide and Related Diseases (MPS) Inc.
 The Community Against Preventable Injuries
 The Gerber Foundation
 Vancouver Foundation
 Victoria Foundation
 World Health Organization

GOVERNMENT

Alberta Health Services
 BC Centre for Disease Control
 BC Ministry of Children and Family Development
 BC Ministry of Health Services
 British Columbia Knowledge Development Fund
 Calgary Regional Health Authority
 Delegation of Commission of European Communities
 Government of Canada
 Government of Nunavut
 Health Canada
 Manitoba Falls Prevention
 Provincial Health Services Authority
 Public Health Agency of Canada
 The Government of Manitoba
 US Centers for Disease Control and Prevention
 US Department of Defense
 Vancouver Coastal Health Authority

HOSPITALS/UNIVERSITIES

Baylor College of Medicine
 BC Children's Hospital and Sunny Hill Health Centre for Children
 Centre hospitalier universitaire de Québec (CHUQ)
 CHU Sainte-Justine
 St. Michael's Hospital
 Sudbury Regional Hospital
 Sunnybrook Health Sciences Centre
 University of Alberta
 University of British Columbia
 University of California, San Francisco

INDUSTRY

Abbott Laboratories
 AMGEN Canada Inc.
 Applied Biosystems
 Applied Precision, Inc.
 Beckman Coulter Canada Inc.
 BioMarin Pharmaceutical Inc.
 Biosite Incorporated
 Boehringer Ingelheim (Canada) Ltd.
 Bristol-Myers Squibb Medical Imaging
 Centocor Inc.
 Clinical MicroSensors, Inc, DBA Osmetech Molecular Diagnostics
 Copan Diagnostics, Inc.
 Drägerwerk AG & Co. KGaA
 Eli Lilly Canada Inc.
 EMD Serono Canada Inc.
 ESBE Scientific
 Fisher Scientific
 Genzyme Canada Inc.
 Genzyme Corp.
 GlaxoSmithKline Inc. (Canada)
 Growth Curves USA
 Hewlett-Packard Canada Ltd.
 Hoffmann-La Roche Limited
 Inspire Pharmaceuticals Inc.
 ISIS Pharmaceuticals
 Island Network for Injury Prevention
 Islington Business Centre
 Life Technologies Corporation
 Luminex Molecular Diagnostics, Inc.
 Medtronic, Inc.
 Merck Frosst Canada Ltd.
 Novartis Pharmaceuticals Canada Inc.
 Novo-Nordisk
 NsGene A/S
 NuAire, Inc.
 Ortho Clinical Diagnostics
 Pal Technologies Ltd. (Spain)
 Pfizer Canada Inc.
 Pneuma Pharmaceuticals, Inc.
 Promega Corporation
 PTC Therapeutics Inc.
 Rainin Instrument, LLC
 Sanofi Pasteur Ltd.
 Sanofi-aventis Canada Inc.
 Schering-Plough Canada Inc.
 Schwarz Biosciences, Inc.
 UCB Bioproducts S.A.
 Varsity Computers
 VWR International
 Wyeth-Ayerst Canada Inc.

OTHER

Various sources

CFRI Research Cluster Leadership

Childhood Cancer & Blood Research

Dr. Kirk Schultz

Developmental Neurosciences & Child Health

Dr. Ron Barr
 Dr. Bruce Bjornson

Diabetes, Nutrition & Metabolism

Dr. Sheila Innis (Nutrition & Metabolism)
 Dr. Bruce Verchere (Diabetes)

Genetics & Health

Dr. Lorne Clarke

Immunity in Health & Disease

Dr. Rusung Tan
 Dr. Stuart Turvey

Innovations in Acute Care & Technology

Dr. Erik Skarsgard

Reproduction & Healthy Pregnancy

Dr. Geoffrey Hammond
 Dr. Peter von Dadelszen

A UBC partner organization of CFRI

Centre for Molecular Medicine & Therapeutics
 Dr. Michael Hayden

Board of Directors & Board Committees 2009/10

Board Members

Dr. Don Brooks (Chair)
 Ms. Nicola Sutton (Vice Chair)
 Ms. Patricia Hanbury (Secretary-Treasurer)
 Ms. Sue Carruthers
 Mr. Chris Carty (BC Children's Hospital Foundation representative)

Dr. Diane Finegood
 Mr. Larry Gold
 Ms. Kathryn Hayashi
 Dr. Jane Ingman-Baker
 Ms. Lynne Kent
 Mr. Michael Marchbank
 Dr. Gavin Stuart (Alternate: Dr. Alison Buchan)

VACANCY (PHSA Nominee)

Dr. Stuart MacLeod/
 Dr. Jan Friedman (ex officio)

Executive & Governance Committee

Dr. Don Brooks (Chair)
 Ms. Nicola Sutton (Vice Chair)
 Mr. Michael Marchbank
 Dr. Stuart MacLeod/
 Dr. Jan Friedman (ex officio)
 Dr. Geoffrey Hammond (by invitation)

Finance Committee

Ms. Patricia Hanbury (Chair)
 Ms. Lynne Kent
 Ms. Nicola Sutton (ex officio)
 Dr. Don Brooks (ex officio)
 Dr. Stuart MacLeod/
 Dr. Jan Friedman (ex officio)
 Ms. Anita Chiu (non-voting member)
 Mr. Thomas Chan (by invitation)

NOTES:

1. Dr. Stuart MacLeod stepped down as Executive Director, CFRI on January 13, 2010. At that time, Dr. Jan Friedman assumed the position of Acting Executive Director, CFRI.
2. Ms. Patricia Hanbury resigned from the CFRI Board of Directors on March 31, 2010.

People

RESEARCH ADMINISTRATION

Ashley Biggerstaff
Lainie Burgess
Anita Chiu
Stephanie Dunn
Sandra Elias
Steffany Ellingham
Jan Friedman
Tracie Galbraith
Mike Gottenbos
Geoffrey Hammond
Joanna Ho
Linda Ip
Anne Junker
Jennifer Kohm
Annie Lam
Virginia Lew
Stuart MacLeod
Nathalie Pilkington
Allison Rintoul
Aimee Self
Grace Valente

RESEARCH IT

Gurm Dhugga
Husein Kaba
Jordan Trask
Dharma Wolford

RESEARCH FACILITIES

Todd Jacques
Claire Harrison
Mary Anne O'Reilly
Nick Steel

RESEARCH & TECHNOLOGY DEVELOPMENT OFFICE

Joel Livingston
Dawn McArthur

UBC/C&W RESEARCH ETHICS BOARD

Marie Buy
Maryam Ghafouri
Farin Meralli
Jennie Prasad

CLINICAL RESEARCH SUPPORT UNIT (CRSU)

Sema Aydede
Jocelyn Brown
Evelyn Chan
Victor Espinosa
Ricardo Gamero
Boris Kuzeljevic
Ashley McKerrow
Ruth Milner
Lesley Sturrock

Highlights of Board & Administration Honours 2009/10

Dr. Alison Buchan, named Fellow of the Canadian Academy of Health Sciences.

Anita Chiu, Executive MBA in Health Care, Sauder School of Business/ Centre for Health Care Management, University of British Columbia.

Dr. Dawn McArthur, Nominated for YWCA Women of Distinction, Education, Training & Development category.

Dr. Gavin Stuart, Presidential Medal Award, The Society of Gynecologic Oncology of Canada/La Société de Gynéco-Oncologie du Canada.

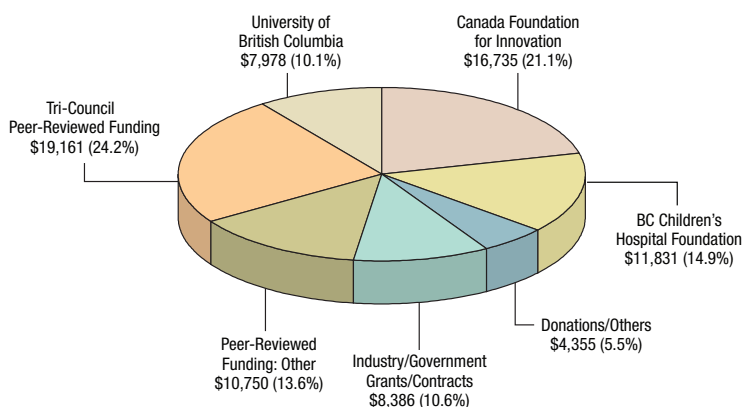
Revenue & Expenses 2009/10

In 2009/10, the total operating revenue/expenses of the Child & Family Research Institute was approximately \$62.8 million. The total research revenue includes grants, contracts and agreements received from foundations, granting agencies and organizations, governments, hospitals and universities.

This was an outstanding year for capital infrastructure, which was \$16.4 million in 2009/10 compared to \$400,000 in 2008/09. This increase is largely attributed to funding from the Canada Foundation for Innovation and the British Columbia Knowledge Development Fund.

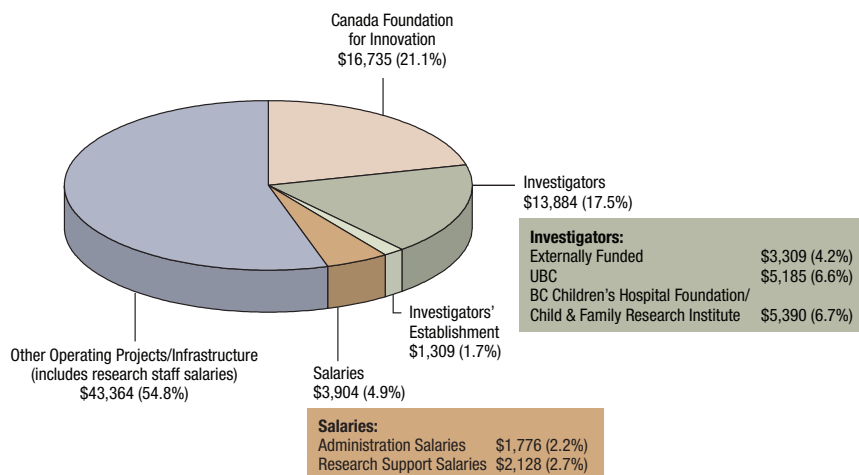
2009/10 Revenue Sources (in 000s)

Total operating: \$62.8 million | Total capital infrastructure: \$16.4 million
Total: \$79.2 million



2009/10 Expense Allocation (in 000s)

Total operating: \$62.8 million | Total capital infrastructure: \$16.4 million
Total: \$79.2 million



Awards

Major awards held by principal investigators at the Child & Family Research Institute (CFRI).

CIHR PARTNERSHIPS FOR HEALTH SYSTEM IMPROVEMENT

Dr. Bruce Carleton and Dr. Robert Peterson, Reducing the Acute Care Burden of Childhood Asthma on Health Services in British Columbia
 Dr. Patricia Janssen, Optimal Birth BC
 Dr. Scott Lear, Utilization of an interactive internet-based platform for managing chronic diseases at a distance

CIHR TEAM GRANTS

Dr. Michael Hayden, CIHR Team in Palmitoylation in Huntington Disease
 Dr. Poul Sorensen, The Terry Fox New Frontiers Program

Fast Facts 2009/10

- CFRI's overall success rate in national research funding competitions is close to 50 per cent – twice the national average.
- CFRI faculty produced 590 publications.
- CFRI's total revenue provides support for investigators, salary, operating, infrastructure and administration.

CFRI people

- 224 investigators
- 268 trainees (including graduate students and post-doctoral fellows)
- 56 summer students
- 338 research staff
- 32 administration staff

Commercialization metrics

- Invention disclosures involving CFRI faculty: 6
- Patent applications filed by CFRI investigators: 17
- Patents issued to CFRI faculty: 1
- Licence/option agreements to industry for CFRI-developed technologies: 4

Project in genomics of former fruste tumours: new vistas on cancer biology and management

Dr. Ian Pike, CIHR Team in Child and Youth Injury Prevention
 Dr. Rusung Tan, CIHR Team in Childhood Autoimmunity
 Dr. Lori Tucker, CIHR Team in Linking Exercise, Physical Activity and Pathophysiology in Childhood Arthritis: A Canadian Collaborative Team. Principal Investigator: Dr. Ciarán Duffy, McGill University Health Centre

EXTERNAL SALARY AWARDS

B.C. Leadership Research Chairs of the B.C. Leading Edge Endowment Fund

Dr. Urs Ribary, BC Leadership Chair in Cognitive Neuroscience in Early Childhood Health and Development at Simon Fraser University
 Dr. Thomas Boyce, Sunny Hill Health Centre BC Leadership Chair in Early Childhood Development

Canadian Diabetes Association

Dr. Constadina Panagiotopoulos, Clinician Scientist Award

CIHR

Dr. Elizabeth Conibear, New Investigator
 Dr. William Gibson, Clinician Scientist
 Dr. Liisa Holsti, Canadian Child Health Clinician Scientist Program
 Dr. Tobias Kollmann, Canadian Child Health Clinician Scientist Program
 Dr. Blair Leavitt, Clinician Scientist
 Dr. Ying MacNab, New Investigator
 Dr. Steven Miller, Clinician Scientist
 Dr. Stuart Turvey, Canadian Child Health Clinician Scientist Program

Dr. Wyeth Wasserman, New Investigator
 Dr. Cheryl Wellington, New Investigator

Canadian Association of Gastroenterology/Crohn's and Colitis Foundation of Canada/CIHR (Rx&D)

Dr. Laura Sly, New Investigator Award

Heart and Stroke Foundation of Canada

Dr. Angela Devlin, New Investigator Award, and McDonald Scholarship Award

MSFHR

Dr. J. Mark Ansermino, Scholar – Clinical
 Dr. Cornelius Boerkoel, Scholar – Biomedical
 Dr. Mariana Brussoni, Scholar – Health Services
 Dr. Jan Dutz, Senior Scholar – Clinical
 Dr. Janusz Kaczorowski, Senior Scholar
 Dr. Michael Kobor, Scholar – Biomedical
 Dr. Blair Leavitt, Scholar – Biomedical
 Dr. Suzanne Lewis, Scholar – Clinical
 Dr. Louise Mâsse, Senior Scholar – Population Health
 Dr. Steven Miller, Scholar – Clinical
 Dr. Evica Rajcan-Separovic, Scholar – Clinical
 Dr. Rusung Tan, Senior Scholar – Clinical
 Dr. Peter van den Elzen, Scholar – Biomedical
 Dr. Bruce Verchere, Senior Scholar – Biomedical
 Dr. Peter von Dadelszen, Senior Scholar – Clinical

Multiple Sclerosis Society of Canada

Dr. Peter van den Elzen, Career Development Award

National Research Chairs

Dr. Ronald Barr, CRC in Community Child Health Research

Dr. Adele Diamond, CRC in Developmental Cognitive Neuroscience

Dr. Matthew Farrer, CERC in Neurogenetics and Translational Neuroscience
 Dr. Daniel Goldowitz, CRC in Developmental Neurogenetics

Dr. Geoffrey Hammond, CRC in Reproductive Health
 Dr. Michael Hayden, CRC in Human Genetics and Molecular Medicine
 Dr. Scott Lear, Pfizer/Heart and Stroke Foundation Chair in Cardiovascular Disease Prevention Research at St. Paul's Hospital (Simon Fraser University)

Dr. Elizabeth Saewyc, CIHR/ PHAC Chair in Applied Public Health Research
 Dr. David Scheifele, CIHR/ Wyeth Chair in Clinical Vaccine Research
 Dr. Elizabeth Simpson, CRC in Genetics and Behaviour
 Dr. Stefan Taubert, CRC in Transcriptional Regulatory Networks

Dr. Glen Tibbits, CRC in Molecular Cardiac Physiology (Simon Fraser University)
 Dr. Bruce Vallance, CRC in Pediatric Gastroenterology

INFRASTRUCTURE AWARDS

CFI/CIHR Regional/ National Clinical Research Initiatives

Dr. Bruce Carleton and Dr. Michael Hayden, Genotype-Specific Approaches to Therapy in Children: Canadian Pharmacogenomics Network for Drug Safety

CFI Leading Edge Fund & BCKDF

Dr. Suzanne Lewis, British Columbia Lead, A Comprehensive Approach to Identifying Genes for Complex Genetic Disorders: Autism Spectrum Disorders & Beyond. Principal

Investigator: Dr. Jeanette Holden, Queen's University

CFI National Platforms Fund & BCKDF

Dr. Jan Friedman, Canadian Molecular Cytogenetics Platform

CFI New Initiatives Fund & BCKDF

Dr. Steven Miller, Child & Family Research Imaging Facility
 Dr. Bruce Verchere, Centre for Research on Childhood Diabetes
 Dr. David Speert, Centre for Understanding and Preventing Infection in Children

Recent Awards from the CFI Leaders Opportunity Fund & BCKDF

Dr. Thomas Boyce, Social Disparities in Neurological and Epigenetic Vulnerability among British Columbia Children
 Dr. William Gibson, Laboratory for Obesity Genetics and Indirect Calorimetry
 Dr. Brad Hoffman and Dr. Francis Lynn, Beta Cell Genesis Research Facility
 Dr. Tobias Kollmann, VIVArc: Vancouver Immunity and Vaccine Analysis Research Centre
 Dr. Chinten James Lim, AIMS: Advanced Imaging Microscope Suite
 Dr. Laura Sly, Inflammatory Macrophages (IMacs) Research Laboratory
 Dr. Peter van den Elzen, Lipid Immunology Facility

CFI CRC Infrastructure Awards & BCKDF

Dr. Daniel Goldowitz, Neurodevelopmental Imaging Facility
 Dr. Stefan Taubert, Laboratory for Transcriptional Regulatory Networks

BCKDF = British Columbia Knowledge Development Fund
CFI = Canada Foundation for Innovation
CIHR = Canadian Institutes of Health Research
CERC = Canada Excellence Research Chair
CRC = Canada Research Chair
MSFHR = Michael Smith Foundation for Health Research
PHAC = Public Health Agency of Canada

To learn more about the research of CFRI's investigators, please visit www.cfri.ca and click on "Find a Researcher."



BC Children's Hospital Foundation
BC Children's Hospital Foundation raises money to support excellence and innovation in care, treatment and research at BC Children's Hospital, Sunny Hill Health Centre for Children and the Child & Family Research Institute. The Foundation is currently engaged in the \$200-million Campaign for BC Children to build a new children's hospital and ensure all B.C. children have access to a consistent standard of pediatric care.



a place of mind

The University of British Columbia
The University of British Columbia (UBC) is one of Canada's largest and most prestigious public research and teaching institutions and consistently ranks among the top 40 universities in the world. It offers a range of innovative undergraduate, graduate and professional programs in the arts, sciences, medicine, law, commerce and other faculties. UBC has particular strengths in biotechnology and ranks in the top 10 universities in North America and number one in Canada for commercializing research and for its patent activity in the life sciences.



Provincial Health Services Authority

The first authority of its kind in Canada, the Provincial Health Services Authority (PHSA) plans, manages and evaluates selected specialty and province-wide health care services across British Columbia, working with the five geographic health authorities to deliver province-wide solutions that improve the health of British Columbians. PHSA is one of the largest academic health organizations in Canada, with about 2,000 people involved in research activities supported by \$150 million in research funding each year.



BC Children's Hospital and Sunny Hill Health Centre for Children

BC Children's Hospital is British Columbia's (B.C.'s) only pediatric hospital and home to many specialized pediatric services available nowhere else in the province, including B.C.'s trauma centre for children, pediatric intensive care, kidney and bone marrow transplants, open heart surgery, neurosurgery and cancer treatment. Sunny Hill Health Centre for Children is the provincial facility that offers specialized child development and rehabilitation services to children and youth.



BC Women's Hospital & Health Centre

BC Women's Hospital & Health Centre is the province's only facility devoted exclusively to the health of women, newborns and families. It is one of the country's busiest maternity centres, delivering more than 7,000 babies annually, and has the largest neonatal intensive care unit in B.C. More than 20,000 women are seen annually through its specialized women's health programs, which include world-class services in breast health, substance dependency, osteoporosis, HIV/AIDS and reproductive health.



BC Mental Health & Addiction Services

BC Mental Health & Addiction Services provides unique and specialized mental health services to the citizens of British Columbia. An integral part of the agency's program is the assessment and treatment of addictions. The agency also makes significant contributions in the areas of research and knowledge exchange in the field of mental health.



Centre for Molecular Medicine and Therapeutics

The Centre for Molecular Medicine and Therapeutics (CMMT) is a synergistic group of scientists and researchers who share a strong sense of commitment to solve the many genetic questions surrounding human illness and well-being. Affiliated with the University of British Columbia and the Child & Family Research Institute, CMMT conducts discovery research and translates that research into effective clinical and therapeutic strategies to promote health. For more information, visit www.cmmt.ubc.ca.



Our Partners

The Child & Family Research Institute (CFRI) works in close partnership with the **University of British Columbia** and the **Centre for Molecular Medicine and Therapeutics; BC Children's Hospital and Sunny Hill Health Centre for Children, BC Women's Hospital & Health Centre and BC Mental Health & Addiction Services, agencies of the Provincial Health Services Authority; and BC Children's Hospital Foundation.** CFRI has additional important relationships with British Columbia's (B.C.'s) five regional health authorities and with B.C. academic institutions Simon Fraser University, the University of Victoria, the University of Northern British Columbia and the British Columbia Institute of Technology.



Science Making **Miracles**

www.cfri.ca

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