1999 – 2000 annual report chair’s statement

This 1999 – 2000 Annual Report summarizes the Department’s activities during the 4th year of my 5 year term as Chair of Paediatrics of the University of Toronto and the Paediatrician in Chief at The Hospital for Sick Children (HSC). I will take this opportunity to outline some of the changes that have taken place during my term and the present status of the Department.

There have been marked changes in the internal and external environment since the summer of 1996. The almost decade long reduction in the funding for health care institutions has come to an end and increased funding appears imminent. Similarly, an increase in medical school enrollments will now replace the previous reductions. Hopefully increases in residency positions will follow. The HSC has completed its “re-engineering” and the Health Service Restructuring Commission, which was responsible for reorganizing the provinces’ hospital based delivery of health care, has completed its mandate. The Federal Government is now increasing, rather than decreasing, its funding for health oriented research as it establishes the Canadian Institutes of Health Research (CIHR).

During the past 4 years there has been a significant re-organization of the Department’s administrative structure. My formation of a Paediatric Executive has enabled a transparent, appropriate, and effective delegation of the authorities of the offices of Chair / Paediatrician in Chief. The consolidation of the Department’s previous 20 Divisions into 16 Divisions has been complimented by the establishment of the University of Toronto Division of Neonatology (HSC, Sunnybrook & Women’s College Health Sciences Centre, and Mt. Sinai Hospital’s Neonatal Intensive Care Units), Paediatric Academic MultiOrgan Transplant (PAMOT) programme, and Section of Community Paediatrics.

One of my major priorities has been to promote the career development of our faculty and to develop mentorship programmes. The various roles of physicians within our academic health science centre (AHSC) are now outlined in our six different Job Activity Profiles (JAP, Clinician–Scientist, Clinician –Specialist, Clinician–Investigator, Clinician–Educator, Clinician–Teacher, and Clinician – Administrator). These JAPs recognize and promote the different roles of physicians in an academic health science centre. As part of this initiative a "road-map" of achievements outlining successful career development have been created. These goals, along with the guidance provided by Division Chiefs and our newly established mentorship programmes assist our Faculty in their career development. These goals also provide benchmarks whereby our Department’s peer review Career Development and Compensation Programme (CDCP) determines their remuneration.

The funding for the Department’s compensation of paediatricians and supporting personnel, and recruitment of new faculty has increased from $25 million in 1995 to $30 million in 1999 due to the successful 1998 re-negotiation of the Alternative Payment Plan and more support from The HSC and its Foundation. HSC based physicians can once again enter a HSC based pension plan.
Over the past 4 years there have been 34 female and 15 male paediatricians hired to replace departing paediatricians and to increase the Department complement of paediatricians. As of July 1, 2000 there were 133.6 FTE physicians holding primary appointments in the Department at The HSC. There are also 164 part time physicians in The HSC Department, a number that includes the 11 full-time neonatologists at Mt. Sinai Hospital and Sunnybrook & Women's College Health Sciences Centre. All of these physicians, along with 26 colleagues who do not practice medicine have their primary academic appointment in Paediatrics. Taken together, as of July 1, 2000, there are 338 primary academic appointments within the University of Toronto's Department of Paediatrics.

We have maintained and enhanced our profile as a research intensive Department. Through a collaborative effort with the leadership of The HSC's Research Institute (RI), new categories of RI appointments now allow 58, as opposed to the previous 18, paediatricians to have full access to RI infrastructure resources. There are also 18 non–physician members of the Department who hold RI appointments. Members of our Department now head the majority of the RI programmes and one member of our Department is the Associate Director (Clinical Research) of the RI. Members of our Department have also been the inaugural holders of 7 of the 15 endowed chairs for whom individuals have been named. Several initiatives have been undertaken to promote research in Education including the development of a JAP to promote such activities and the recruitment of a Ph.D. trained Education researcher. Our research achievements are perhaps best illustrated by the observation that primary appointees within the Department of Paediatrics have increased the amount of peer reviewed grant funding by approximately 50% and nearly doubled the amount of external career scientist salary award funding. In the 4 preceding Departmental annual reports they have listed a total of 3,888 peer-reviewed publications!

The Department continues its outstanding contributions to the education of child health care providers. The Department provides undergraduate education in paediatrics for the 708 medical students at the University of Toronto and instruction to national and international medical students taking electives at The HSC. Our core paediatric residency training programme attracts outstanding candidates from our own medical school and from across Canada. During the 2000-2001 academic year there are 160 subspecialty residents/ fellows from 30 countries training in the Department’s 17 programmes. Advances in medicine and technology, along with the need to develop new strategies to deliver in-patient care, have led to the establishment of new Departmental, Paediatric Academic MultiOrgan Transplant (PAMOT), and Neonatal Transport Fellowship programmes; these now attract paediatricians from around the world. Our core and sub-speciality residents / fellows have increased their research productivity and over the past 3 years and they have won 5 awards in the cross – Canada resident and fellow research competition. Our Grand Rounds have been creatively re-organized by members of our Department. New initiatives have also been undertaken in Continuing Education. These include changes in our Department’s “Paediatric Update” that has resulted in increased local and international attendance, the development of an annual “Medical Education Day”, and the increased usage of electronic medium for local and national CE initiatives. The pedagogical excellence of our Department’s faculty is illustrated by the 7 Faculty of Medicine-wide Teaching Awards that our colleagues have received over the past 4 years!

The Department provides physicians for approximately 70% of all patient care at The HSC. For example, in 1998-9, The HSC’s Department of Paediatrics had 6,971 admissions, 52,282 hospital days, 98,703 outpatient visits, and 48,320 emergency room visits. Over the past 5 years the Department’s volume of in-patient cases has remained stable whereas “weighted cases”, a more comprehensive work-load measure, has increased significantly. Ambulatory patient care activity has increased slightly, and the number of Emergency Room visits is unchanged. Strategies have been developed and implemented to improve the profile of paediatricians whose predominant role was to provide clinical care. Clinical Practice Units have been reorganized (general paediatrics) and developed (Oncology and PAMOT).
Our Department is nationally and internationally recognized for its clinical, educational, and research activities. Its profile has been enhanced by our success in securing the editorial offices of the Journal “Pediatric Research” (http://www.pedresearch.org/). I am also pleased to be a member of organizing committee of the proposed Canadian Health Research Institute for Mother, Child, and Youth (CHRIMCY, http://www.chrimcy.org/) and a member of the executive committees of the Pediatric Scientist Development Program http://info.med.yale.edu/pediat/pedsci1.htm) and of the Association of Medical School Pediatric Department Chairs (AMSPDC) Inc.

The achievements of our Department are truly outstanding! I would like to take this opportunity to thank the members of my Department and its trainees for their contributions to the well-being of infants and children through their generation, evaluation, dissemination, and application of health oriented knowledge.

Hugh O’Brodovich MD, FRCP(C)
Professor of Paediatrics and Physiology
Chairman of Paediatrics, University of Toronto
Paediatrician in Chief, Hospital for Sick Children
R.S. McLaughlin Foundation Chair in Paediatrics at The Hospital for Sick Children
divisional overviews
adolescent medicine

faculty Eudice Goldberg, MD, FRCPC, head, Debra Katzman, MD, FRCPC, Karen Leslie, MD, FRCPC, Miriam Kaufman, MD, FRCPC, Stephen Rivers, PhD, C Psych

part-time Afsoon Fathollahzadeh, MD,FRCPC, Christina Grant, MD, FRCPC, Elyea Noriega, MD, FRCPC, Miriam Rossi, MD, FRCPC

clinical fellows April Elliott, MD, FRCPC

publications


books and chapters in books


research and investigations

The Canadian Institutes of Health Research, Networking Program of the ICRS

A Tri-Council Workshop/Networking Program. Frappier J-Y (Project Leader), Katzman DK, Davis C, Pierce DW, Forger J, Wilkins J, Salcy S-J

current year $12,000 term 2000 – 2002

Ontario HIV Treatment Network (OHTN)


current year $151,717 term 1999 – 2002
Ontario Mental Health Foundation
Brain Structure and Function in Adolescents with Anorexia Nervosa. Katzman DK, Zipursky RB, Christensen BK, Young AR, Mikulis DJ

$57,873 2000 – 2002

Canadian Health Network
Youth Affiliate (Health Canada). Goldberg E. ($298,000 awarded to consortium)

$15,676 term 1999 – 2000

Psychiatry Endowment Fund
Clinical and serological characteristics of insidious vs. acute onset obsessive compulsive disorder in childhood. Arnold P, Richter M, Katzman DK (Co-investigator), Manassis K

$5,000 term 1999 – 2000

Health Canada – Health Protection Branch
Enhanced STD surveillance in Canadian street youth. Rossi M, Leslie K, Ewart R

$33,242 term 1999 – 2000

Health Canada Health Infostructure Support Program (HISP)
Teen Clinic Online: Using information technology for prevention and health care in youth. Skinner H, Goldberg E (Co-investigator)

$167,000 term 1999 – 2000

Paediatric Consultants
The Adolescent with a Chronic Illness: Substance Use and Implications for Treatment. Leslie K, Kaufman M

$4,380 term 1999 – 2000

The Ontario Ministry of Health
The Ontario Community Outreach Program for Eating Disorders. McVey, Duvis R, Geist R, Kaplan AS, Katzman DK (Co-investigator)

$132,000 term 1999 – 2000
faculty Robert Freedom, MD, head (head to September 30, 2000), Ian Adatia, MD, Leland Benson, MD, Anne Dipchand, MD, Gil Gross, MD, Robert Hamilton, MD (acting head as of October 1, 2000), Lisa Hornberger, MD, Joel Kirsh, MD (as of July 1/2000), Kyong-Jin Lee, MD, Brian McCrindle, MD, David Nykanen, MD, Marlene Rabinovitch, MD, Jeffrey Smallhorn, MD, Lori West, MD, Dphil, Shi-Joon Yoo, MD (cross appointed as of May/2000)
part time & associate staff Jack Coleman, MD, Dayanand Jagdeo, MD, Paul Kantor, MD, Fred Keeley, MD, Charles Lazzam, MD, Peter McLaughlin, MD, Cliffton Way, MD, Gary Webb, MD, Anil Menon, MD, Lynne Nield, MD, Norman Musewe, MD
clinical fellows Mustafa Abdullah, MD – to Aug. 30/00, Shelby Ahammedkutty, MD – as of 7/00, Kirsten Amark, MD, Catherine Barrea, MD, Rolf Bennhagen, MD – as of 7/00, Vishwanath Bhat, MD – as of 7/00, Rejane Dillenberg, MD, Gideon duMarchie Sarvaas, MD, Fraser Golding, MD, Tilman Humphl, MD, Henri Justino, MD, Lillian Lai, MD – as of 7/00, Suzie Lee, MD, Stephanie Levasseur, MD, Lynne Nield, MD – to 7/00, Alejandro Peirone, MD, Jennifer Russell, MD, Kalyani Trivedi, MD – as of 7/00, Emanuela Valsangiocomo, MD – as of 7/00
publications
Abdullah M, Yoo S-J, Lee YH, Hornberger LK, Smallhorn J: Diagnosis of left juxtaposition of the atrial appendages in the fetus. Cardiology in the Young: May 2000:
Gillis AM, Hamilton RM, LeFeuvre CA: Chapter 8 unusual cases of sudden cardiac death due to ventricular tachyarrhythmias. Canadian Journal of Cardiology: June 2000: 16(SuppC): pp 34C-40C.
Humph T, Huggan P, Hornberger LK, McCrindle BW: Presentation and outcomes of ectopia cordis. Canadian Journal of Cardiology: July
Maeno Y, Kamenir SA, Sinclair B, Van der Velde ME, Smallhorn JF, Hornberger LK: Comparison of the outcome when hypoplastic left heart syndrome and transposition of the great arteries are diagnosed prenatally versus when diagnosis of these two conditions is made only postnatally. American Journal of Cardiology: July 1999: 83: pp 1649-1653.


books and chapters in books


research and investigations

Medimmune
current year $85,000 term 1999 – 2000

Heart & Stroke Foundation of Canada
Apolipoprotein A, AML1, elastase and tenascin in pulmonary vascular disease. Rabinovitch M
current year $167,553 term 1998 – 2001

Grant-In-Aid, Heart and Stroke Foundation of Ontario
B1 integrins and the IGF2-IGF1 receptor system in fetal cardiac myocyte proliferation: Regulatory role for the nuclear transription factor Sp1. Hornberger LK
current year $56,000 term 2000 – 2002

St. Boniface General Hospital Research Foundation/Medical Research Council of Canada
Cardiac electropharmacology of H1-receptor antagonist drugs. Hryshko LV, Gross GJ (Co-Principal Investigator)
current year $42,720 term 1999 – 2000

Physician Services Incorporated Foundation
Cardiovascular risk factors after Kawasaki Disease. McQuinn BW
current year $78,000 term 1999 – 2000

Medical Research Council Grant
Determination of autoantibodies and antigens responsible for congenital heart block. Hamilton R, Hornberger LK, Silverman E
current year $54,000 term 1998 – 2000

HSC Foundation – Ductus Gene Therapy Fund
Ductus Gene Therapy. Rabinovitch M
current year $100,000 term 1999 – 2004

Paediatric Consultants, Hospital for Sick Children
Effects of potassium current inhibition on proliferative protein gene expression in pulmonary arterial smooth muscle cells. Gross GJ
current year $4,899 term 1999 – 2000

Medical Research Council of Canada – Distinguished Scientist Award
Elastase and the extracellular matrix in vascular disease. Rabinovitch M
current year $65,000 term 2000 – 2005

Medical Research Council of Canada
Elastase myocardial remodeling and progenitor cells. Rabinovitch M
current year $105,000 term 2000 – 2005

Seed Grant, The Hospital for Sick Children
Evaluation of indirect fetal ECG in fetal cardiac diagnosis. Hamilton R, Hornberger LK

The Hospital for Sick Children
Fetal electrocardiography, patient-based research. Hamilton RM
current year $14,000 term 1999 – 2001

March of Dimes Research Grant
current year $67,000 term 1998 – 2000

March of Dimes Foundation
Maternal autoantibodies in pregnancy and congenital atrioventricular heart block. Hornberger L, Hamilton RM
current year $32,405 term 1997 – 2000

Fujisawa
FK506 versus neoral for immunosuppression after pediatric cardiac transplantation. West LJ, McQuinn BW, Dipchand A, Lee KJ (Co-Investigators)
current year $50,000 term 1999 – 2000


<table>
<thead>
<tr>
<th>Grant/Institution</th>
<th>Description</th>
<th>Principal Investigators</th>
<th>Current Year</th>
<th>Term</th>
<th>Funding</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physician’s Services Incorporation Foundation Fellow Grant</td>
<td>Maternal plasma homocysteine and fetal heart disease. Lougheed J, Hornberger LK (Supervisor)</td>
<td>current year $20,000</td>
<td>term 1999 – 2000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Medical Research Council of Canada</td>
<td>Molecular mechanisms regulating matrix and neonatal formation. Rabinovitch M</td>
<td>current year $120,696</td>
<td>term 1996 – 2001</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pfizer</td>
<td>PATH-1 (Pediatric use of amlodipine in the treatment of hypertension-1). Benson LN, Lee KJ (Toronto Investigators – Multicenter trial in both Canada and the USA)</td>
<td>current year $20,000</td>
<td>term 2000 – 2001</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Heart &amp; Stroke Foundation of Canada</td>
<td>Regulation of cardiovascular remodeling by elafin and a novel vascular chymase: Studies including a transgenic approach. Rabinovitch M</td>
<td>current year $109,611</td>
<td>term 1999 – 2002</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sigma Tau Inc</td>
<td>The biochemical markers of cardiac toxicity with anthracycline administration. Benson L, Lehotay D</td>
<td>current year $12,500</td>
<td>term 1998 – 2000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Heart &amp; Stroke Foundation of Canada</td>
<td>The role of respiratory chain free radical production in response to cardiac ischemia and energy deprivation. Robinson B, Benson L</td>
<td>current year $644,081</td>
<td>term 1998 – 2000</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
faculty
Rosanna Weksberg, MD, PhD, FRCPC, FCMCG, FACMG, head, David Chitayat, MD, FABMG, FACMG,
FCMCG, FRCPC, Joe T.R. Clarke, MD, PhD, FRCPC,
Annette Feigenbaum, MB, ChB, FRCPC, Roderick R.
McInnes, MD, PhD, FRCPC, FACMG, Stephen Meyn, MD,
PhD, FRCPC, FACMG, Marjan Nezarati, MSc, MD, FRCPC,
FCMCG, Ahmad S. Teebi, MD, DCH, DHCG(Lond),
FRCP(Edin), FACMG, CSPQ
part time staff
Alan Berzen, ChB, MB, FRCPC, Leona Fishman, MD, FRCPC
clinical fellows
Nouriya Al-Sanna’a, MD, Sarah Dyack,
MD, FRCPC, FAAP, Karen Harman, MD, FRCPC, Deb Renaud, MD, Komudi Siriwardena, MBChB, Stephen Withers, MB, BS, FRACP

publications
Hinek A, Smith A, Cutisongco EM, Gripp KW, Callahan JW, Weksberg

clinical and metabolic genetics


books and chapters in books


6 The Physicians’ Services Incorporated Foundation
A randomized controlled trial to evaluate the use of misoprostol
current year $21,666 term 1997 – 2000

Medical Research Council of Canada
current year $112,982 term 2000 – 2003

AA National Institute of Child Health and Development
Case control surveillance for birth defects (RO1 HD 27697). Chitayat D, Mitchell
current year $225,608 term 1997 – 2001

The Ontario Association of Medical Laboratories
Cryptic rearrangements in children detected by subtelomeric FISH and SKY. Weksberg R, Teshima I, Techi A, Chitayat D
current year $20,000 term 1999 – 2000

Ian Douglas Bebensee Foundation Operating Grant
Determining a screening method to identify a genetic subtype of schizophrenia. Weksberg R, Bassett AS, Dickson R, Chow EWC, Brzustowicz L
current year $40,000 term 1999 – 2001

DPLM Test Development Fund
Development of FISH probes for the SMARCB1 gene in rhabdoid tumours. Teshima I
current year $14,700 term 2000 – 2001

MRC
Developmental genetics of the mammalian eye (plus attached Student Voucher $15,000/yr). McInnes RR
current year $86,741 term 1996 – 2001

Centres of Excellence Program
From Genes to Therapies: Project 1: Gene isolation for ocular diseases; Project 2: Retinal stem cells for the treatment of retinal degeneration. McInnes RR
current year $87,671 term 1998 – 2005

Ataxia Telangiectasia Medical Research Foundation
Functional characterization of the ATM protein. Meyn MS
current year $25,000 term 1998 – 2001

National Cancer Institute of Canada
Genomic imprinting in a tumor predisposing region of chromosome band 11p15. Weksberg R, Squire J
current year $117,259 term 1995 – 2001

Leukemia Research Fund of Canada
hSNF5/INI1 in childhood leukemia. Malkin D, Teshima I
current year $107,000 term 2000 – 2002

Macular Vision Research Foundation (USA)
Identification of mutant response genes in inherited retinal degenerations. McInnes RR
current year $80,000 term 1999 – 2002

Retinitis Pigmentosa Eye Research Foundation
Identification of proteins that interact with CHX10 and ROM1 in the mammalian retina. McInnes RR
current year $80,000 term 1997 – 2000

The National Institutes of Health – R01 CA60592
Molecular analysis of the chromosome instability syndromes. Meyn MS
current year $142,000 term 1994 – 1999

Howard Hughes Medical Institute International Research Scholar Award
The genetics of mammalian retinal development and photoreceptor structure (US Funds). McInnes RR
current year $65,000 term 1997 – 2001
faculty Shinya Ito, MD, ABCP, FRCP, head, Gideon Koren, MD, FACMT, FRCP, Sylvain Baruchel, MD, Bhushan Kapur, PhD, Michael McGuigan, MD, Patricia Harper, PhD

part-time Denis Grant, PhD, Dennis Scolnik, MD, Lidia Derewlany, PhD, Tom Einarson, PhD, Allan Okey, PhD, Neil Shear, MD, Bonnie Stevens, PhD, clinical fellows Tommy Ho, MD (University of Toronto, Canada), Eran Kozer, MD (University of Tel-Aviv, Israel)

research fellows Irena Nulman, MD (The Ternopol State Medical Institute, Ternopol, USSR), Meena Pole, MD (Bombay University, India), Alexander Liaschko, MD (Leningrad Medical School, Russia), Adriana Costei, MD (University of Tirgu Mures, Romania), Zina Levichek, MD (Azerbaijan, USSR), Radda Boskovic, MD (University of Tuzla, Bosnia)

publications


Emelianova S, Einarson A, Mazzotta P, Magee L, Koren G:
### Books and Chapters in Books


**Juurlink DN, Stanbrook MB, McGuigan MA:** Hyperbaric oxygen for carbon monoxide poisoning (Cochrane Review. In: The Cochrane Library Oxford,: 2000:

### Research and Investigations

**Senior Investigator's Name Appears in Italics**

**Pfizer**

**Amlodipine in children (PATH 1 & 2). Koren G**

- **current year:** $140,000
- **term:** 1999 – 2000

**Health Canada**

**Breaking The Cycle – Canadians of Substance Abuse project. Koren G**

- **current year:** $65,000
- **term:** 1999 – 2001

**MRC**

**Comparison of amitriptyline and placebo for the reduction of pain in children with JRA. Feldman B, Koren G**

- **current year:** $8,000
- **term:** 1999 – 2001

**MRC Grant MA 8544**

**Determinants of renal handling of drugs during development. Koren G**

- **current year:** $80,000
- **term:** 1984 – 2004

**Eli-Lily Canada Inc**

**Effects of fluoxetine during breastfeeding on their breastfed infants. Ito S, Koren G**

- **current year:** $43,090
- **term:** 1999 – 2000

**Ontario HIV Treatment Network (NHTV)**

**Evaluating safety and risk of antiretroviral drug exposure during pregnancy for infants born to HIV positive women in Ontario. King SM, Koren G**

- **current year:** $58,333
- **term:** 1999 – 2002

**Research Institute: Start Up Fund**

**Maternal smoking and neonatal HIE. Pelman M, James A, Koren G**

- **current year:** $19,000
- **term:** 1998 – 2000

**Canadian Foundation for Women’s Health (The Duscheney fund for better use of drugs during pregnancy and lactation. Maternal use of beta-blockers during breastfeeding. Ito S, Ho T**

- **current year:** $19,180
- **term:** 1999 – 2000

**Medical Research Council**

**Mechanisms of drug transfer into human milk [MT-13747: Renewed in 1999].**

- **current year:** $71,954/year + equipment.
- **term:** 1999 – 2002

**Health Canada**

**Breaking The Cycle Program. Koren G**

- **current year:** $340,000
- **term:** 1994 – 2000

**MRC**

**Role of P-glycoprotein in the blood-brain barrier. Ito S**

- **current year:** $71,654
- **term:** 1999 – 2000

**Astra Canada**

**Pharmacokinetics of penile absorption of EMLA in newborn piglets. Koren G**

- **current year:** $5,000
- **term:** 1993 – 2000

**1998 University of Toronto/Connaught New Staff Matching Grants**

**Role of P-glycoprotein in the blood-brain barrier. Ito S**

- **current year:** $15,000
- **term:** 1998 – 2000

**PMAC/MRC**

**Safety of omeprazole in pregnancy and lactation. Koren G, Ito S, Magee L (Co-Investigators)**

- **current year:** $93,750
- **term:** 1998 – 2000

**March of Dimes**

**Social disparities in preterm births. Kramer M, Koren G (US Funding)**

- **current year:** $249,978
- **term:** 1998 – 2001

**MRC MT 1797**

**The role of the placenta in perinatal toxicology: Study in a human placental perfusion system. Derewlaney L, Ito S, Koren G (Co-Investigators)**

- **current year:** $70,000
- **term:** 1990 – 2002

**American Lung Foundation**

**Tobacco smoke exposure and infant respiratory function. Groner J, Koren G (Co-applicant) (US Funding)**

- **current year:** $25,000
- **term:** 1998 – 2000

**Duchesnay, Laval Quebec**

**Treatment of morning sickness. Koren G**

- **current year:** $30,000
- **term:** 1994 – 2002
emergency services

faculty William Mounstephen, MD – head, Uzma Ahmed, MD, Carolyn Calpin, MD, Laura Duggan, MD, Cara Gilman, MD, Leah Harrington, MD, Anna Jarvis, MD, Kelly Keogh, MD, Sohail Khattak, MD, Luba Komar, MD, Andrew Mason, MD, Jonathan Pirie, MD, Maryanne Robb, MD, Suzan Schneeweiss, MD, Suzanne Schuh, MD, Dennis Scolnik, MD part-time Adelle Atkinson, MD, Sherry Baine, MD, Brenda Banwell, MD, Alan Berzen, MD, Gail Churchill, MD, Carlos Contreras, MD, Jacquie Curtis, MD, Paul Dick, MD, Martha Dirks, MD, Katy Driver, MD, John Freedman, MD, Claudio Fregonas, MD, Gerald Friedman, MD, Sabine George, MD, Judith Gibbs, MD, Donna Goldenberg, MD, Leslie Goodis, MD, Shawna Granovsky, MD, Masoud Grouhi, MD, Astrid Guttmann, MD, Suja Hafiz, MD, Rick Hamat, MD, Mark Handley-Derry, MD, Jim Hilton, MD, Annie Huang, MD, Nicole Inch, MD, Andrew James, MD, Fatima Kamalia, MD, Shahida Khan, MD, Yen Le, MD, Sylvie Lebel, MD, Peter Lewin, MD, Patricia Linders, MD, Karen Mandel, MD, Aubrey Maze, MD, Diana Mills-Tettey, MD, Steven Moss, MD, Paul Nathan, MD, Patricia Neelands, MD, Evangelina Papadouris, MD, Jocelyn Parent, MD, Linda Pedder, MD, Pratap Rastogi, MD, Lillian Rojnic, MD, Antonina Saksznajder, MD, Clive Schwartz, MD, Domenick Shelton, MD, Heshy Sturm, MD, Padmuja Subbarao, MD, Jonathan Tolkin, MD, Sunita Vohra, MD, Jeffrey Weisbrot, MD, Hilary Whyte, MD, Sheldon Wise, MD, Hirotaka Yamashiro, MD, Albert Yeung, MD, Conrad Yim, MD, Mary Zachos, MD clinical fellows Jason Acworth, MB, FRACP (The University of Queensland, Australia), Eran Kozer, MD (Sackler School of Medicine, Tel-Aviv University) research fellows Fahad Al-Mukhaizeem, L.R.C.P., & S.I., M.B., B.Ch., B.A.O.(National University of Ireland), Brigitte Bartholome, MB, DCH, Dip IMC, DGM (University of Aachen, Germany), Tanuja Kodeeswaran, MD (McMaster University)

publications


research and investigations

Exergen-Phillips Grant

Comparison of the temporal artery, aural and rectal thermometry in children in the Emergency Department. Schuh S

current year $77,000 term 1999 – 2000

MRC – PMAC Grant

Efficacy of oral dexamethasone in the emergency therapy of acute bronchiolitis. Schuh S

current year $41,474 term 1997 – 2000

Paediatric Consultants Grant

Efficacy of salbutamol administered to hospitalized children via a vented versus unvented jet nebulizer. – A pilot study. Schuh S

current year $5,000 term 1999 – 2000

Harvard Pilgrim Health Care Foundation

Impact of an inpatient service led by pediatric hospitals: Efficiency of care, patient satisfaction and health status outcomes

current year $10,000 in kind. Srivastava R, Landrigan C, Graef J, Soumerai S

current year $10,000 term 1999 – 2000
PSI Grant
Interleukin 6 levels in febrile children with bacteremia. Schuh S
   current year   $7,500   term   1998 – 2000

Exergen-Phillips Grant
Validation of temporal arterial heat thermometry by its comparison with esophageal temperature in children. Schub S
   current year   $40,000   term   2000 – 2001
faculty
Denis Daneman, MB, BCh, FRCP, head, Amira Klip, PhD, Kusiel Perlman, MD, FRCP, Joanne Rovet, PhD, Etienne Sochett, MB, BS, FRCP, Diane Wherrett, MD, FRCP. part-time Susan Kirsch, MD, FRCP, Sang Whay Kooh, MD, FRCP
clinical fellows
Adnan Al-Shaikh, MD (King Abdulaziz University) Saudi Arabia, Kausik Bandyopadhyay, MD (University of Calcutta) India, Mijin Brown, MD (University of Western Ontario) London, Carol Huang, MD (University of Toronto), Karen McAssey, MD (Queen’s University) Kingston research fellows
Jacqueline Curtis, MD (University of Toronto), Jill Hamilton, MD, FRCP (University of Ottawa)
publications


books and chapters in books


Research and investigations
Ontario Mental Health Foundation
Attention and memory in low risk prematurity as a function of Hypothyroxinemia at birth. Rosset J, Perlman K
Current year $126,000 term 1997 – 2000

Canadian Diabetes Association
Cerebral edema in pediatric diabetic ketoacidosis. Muirhead S, Daneman D, Cummings E (Co-Investigators)
Current year $30,000 term 1999 – 2001

Banting and Best Research Institute, University of Toronto Clinical and Research Applications of a Diabetes Complications Database. Sochett EB, Parikh A, Glaab M
Current year $8,000 term 1999 – 2001

National Institutes of Health
Diabetes Prevention Trial – Type 1 (DPT – 1), Toronto and Regional Recruitment Coordinating Site Principal Investigator (US Funds). Wherrett D
Current year $28,000 term 1998 – 2000

Research Institute, Internal Divison Funds
Early Ambulatory Blood Pressure Abnormalities in Adolescents with Type 1 Diabetes: Is sodium dysregulation (non-modulation) responsible for these changes? Sochett EB, Curtis J, Daneman D
Current year $34,000 term 1999 – 2000

Medical Research Council of Canada
Eating disorders in young women with type 1 diabetes. Rodin G, Daneman D, Olmsted M (Co-Investigators)
Current year $60,000 term 1999 – 2001

Juvenile Diabetes Foundation International
Eating disturbances and psychosocial functioning: A controlled study of preadolescent girls with insulin-dependent diabetes mellitus (US Funds). Rodin G, Colton P, Daneman D, Olmsted M
Current year $50,000 term 1998 – 2000

Pfizer Canada Inc.
Efficacy and safety of inhaled compared to subcutaneous human insulin in an intensive insulin regimen for subjects with Type 1 Diabetes Mellitus: A six month outpatient parallel comparative trial – a multicentered study. Perlman K (P.I. for HSC site)
Current year $45,000 term 1999 – 2000

Canadian Diabetes Association
Family functioning, gender and metabolic control in adolescents with diabetes mellitus. Daneman D, Rodin G, Olmsted M (Co-Investigators)
Current year $105,330 term 1999 – 2001

Paediatric Consultants, The Hospital for Sick Children
Genetic analysis of Pit-1, Prop, Lhx3 and Hesx genes in children with idiopathic hypopituitarism. Daneman D, Hamilton J (Co-Investigator)
Current year $3,200 term 1999 – 2000

Juvenile Diabetes Foundation International – Research Grant GLUT4 Translocation: Vesicle fusion proteins, mechanisms and insulin resistance. Klip A, Trimble W (US Funds)
Current year $98,100 term 1998 – 2000

The Hospital for Sick Children Research Institute Seed Grant
Is poor glycemic control in adolescents with type 1 diabetes amenable to pharmacotherapy? A pilot study of the insulin-sensitizing agent, Metformin. Daneman D, Hamilton J, Cummings E, Sochett E, Zinman B (Co-Investigators)
Current year $29,808 term 1998 – 2000

Pfizer Canada Inc
Long term safety of inhaled human insulin: Extension of therapy in subjects with Type 1 or Type 2 Diabetes Mellitus completing randomized Phase III Treatment trials – a multicentered study. Perlman K (P.I. for HSC site)
Current year $32,000 term 2000 – 2001

Pfizer Canada Inc
Long term safety of inhaled human insulin: Extension of therapy in subjects with Type 1 or Type 2 Diabetes Mellitus completing randomized Phase III Treatment trials – a multicentered study. Perlman K (P.I. for HSC site)
Current year $32,000 term 2000 – 2001

Ministry of Health Ontario, Positive Action Fund
Metabolic Abnormalities Associated with Protease Inhibitor Use in HIV Infected Children. Sochett EB, King S, Bitun A
Current year $33,500 term 1999 – 2001

Medical Research Council of Canada – Operating Grant
Molecular regulation of glucose transport in muscle (plus student voucher). Klip A
Current year $82,000 term 1995 – 2000

Canadian Diabetes Association, ‘Dorothy Frater’ Research Grant
Novel mechanisms of regulation of glucose transporters. Klip A
Current year $60,000 term 1998 – 2000

Canadian Diabetes Association, Research Grant
Regulation of the intrinsic activity of glucose transporters by insulin. Klip A
Current year $60,000 term 2000 – 2001
The Canadian/European Trial of Nicotinamide to Prevent Insulin Dependent Diabetes Mellitus. *Wherrett D*

*Medical Research Council of Canada*

Current year $6,000  
Term 1998 – 2000

Thyroid hormone, attention, and memory in congenital hypothyroidism and ADHD. *Rovet J, Daneman D (Co-Investigator)*

*Medical Research Council of Canada*

Current year $70,000  
Term 1998 – 2001
faculty

Stanley Zlotkin, MD, PhD, head, Mary Corey, MSc, PhD, Peter Durie, MD, Katryn Furuya, MD, Anne Griffiths, MD, Nicola Jones, MD, PhD, Margaret Marcon, MD, Paul Pencharz, MB, ChB, PhD, Eve Roberts, MD, Philip Sherman, MD

part-time

Glenn Berall, MD, Carol Durno, MD clinical fellows

Jae Kim, MD, Jeffrey Critch, MD, Simon Ling, MD, Michael Stormon, MD

research fellows

Najma Ahmed, MD, Assad Butt, MD, Andrew Day, MD, Martha Dirks, MD, Hedy Ginzberg, MD, Latifa Yeung, MD, Mary Zachos, MD

publications


Foster D, Philpott D, AbuMih M, Huesca M, Sherman P, Lingwood C: Phosphatidyl Ethanolamine Recognition Promotes


books and chapters in books


Saunders Co, Philadelphia, PA: 2000:
Griffiths AM, Sutherland LR: Meta-analysis: principle and results in inflammatory bowel disease disorders. In: Maladies inflammatoires de l'intestin Collection Progres en Hepatogastroenterologie.; 1999:

**Research and Investigations**

Senior Investigator's Name Appears in Italics
American Digestive Health Foundation Research Scholar Award
American Digestive Health Foundation Research Scholar Award. Jones NL (US Funds)
current year $50,000 term 2000 – 2003
Schering-Plough
An Open-Label, Fixed Dose Study to Assess the Efficacy, Safety, and Tolerability of the Combination of Intron A plus Ribavirin in Pediatric Subjects with Chronic Hepatitis C (Study #SCH 18908). Roberts EA, principal investigator in Toronto
current year $16,524 term 2000 – 2002
Medical Research Council of Canada
Characterization of a new ABC gene, PRP, and identification of its partner proteins. Furuya KN
current year $61,263 term 1998 – 2001
National Cancer Institute of Canada
Characterization of a novel ATP binding cassette gene, PRP, that is overexpressed during hepatocarcinogenesis. Furuya KN, Harper P
current year $91,105 term 1998 – 2001
Canadian Cystic Fibrosis Foundation
current year $64,000 term 1997 – 2000
Solvay Pharmaceuticals
Correlation of non-invasive breath test indices with intraluminal measurements of lipid and starch digestion in cystic fibrosis patients with pancreatic insufficiency. Durie PR
current year $152,108 1999 – 2000
Crohn’s and Colitis Foundation of Canada
Decreased bone mineral density in pediatric inflammatory bowel disease: a prospective study of risk factors and basic pathogenic mechanisms. Griffiths, AM, Dr. Gillian Hazuk
current year $34,328 term 1999 – 2002
Program in Food Safety, University of Toronto
Evaluate nutritional impact of restricted fat intake in children. Zlotkin SH
current year $20,000 term 1998 – 2000
Canadian Cystic Fibrosis Foundation
Factors that influence disease severity in cystic fibrosis – links with the exocrine pancreas. Durie PR
current year $106,904 term 1999 – 2002
Medical Research Council of Canada
Function and regulation of human hepatic cytochrome P4501A2 (CYP1A2) in novel in vitro systems for culturing human hepatocytes. Roberts EA
current year $74,104 term 1997 – 2000
Ellipsis Corporation
Genetic studies in pediatric IBD. Siminovitch K, Scherer S, Tsui L-C, Griffiths AM
current year $34,000 term 1999 – 2000
Medical Research Council
Genetics and positional cloning of Shwachman syndrome defect. Rommens J, Durie PR
current year $101,905 term 1998 – 2001
HSC Research Institute, Seed Grant Competition
Histidine treatment of hepatic copper toxicosis in the toxic milk mouse, a model for Wilson disease. Roberts EA, Sarkar B (co-principal investigators)
current year $17,216 term 2000 – 2001
Canadian Association of Gastroenterology/Astra Zeneca Research Initiative Award (supported by MRC/PMAC)
Host Cell Signal Transduction Responses to Helicobacter pylori Infection. P Sherman
current year $62,500 term 1999 – 2001
Crohn’s and Colitis Foundation of Canada
Interaction of Campylobacter jejuni with Human Intestinal Epithelial Cells. V.L. Chan, Sherman P
current year $50,000 term 1997 – 2000
Medical Research Council of Canada
Mechanisms of Adhesion of Attaching and Effacing Gastrointestinal Bacterial Pathogens. P Sherman
current year $72,000 term 1997 – 2002
Human Nutrition Institute of the ILSI Research Foundation
Microencapsulated iron and vitamin A supplement to treat and prevent iron and vitamin A deficiency (US Funds). Zlotkin SH
IDRC – Micronutrient Initiative
Microencapsulated iron-zinc supplements for infants. Zlotkin SH

World Vision Canada
Micronutrient sprinkles in a relief setting – Kenya. Zlotkin SH

National Institutes of Health SCOR Grant (NIDDK)
Molecular basis of the cystic fibrosis phenotype (2P50 DK49096-06), (US Funds). Durie PR (Project 1), Tsui LC (Co-Director)

MRC/Health Canada Fellowship (Hepatitis C)
MRC/Health Canada Fellowship (Hepatitis C). Yeung L, Roberts EA (supervisor)

University of Toronto Connaught New Staff Matching Grant
Pathogenesis of H. pylori infection. Jones NL

Canadian Digestive Disease Foundation
Prevention of Helicobacter pylori infection. Jones NL

American Association for the Study of Liver Diseases
Schering Advanced Hepatology Fellowship. Dirks M, Roberts EA (supervisor) (US Funds)

Medical Research Council (Operating Grant)

Canadian Cystic Fibrosis Foundation
The effect of cystic fibrosis related diabetes mellitus on protein metabolism. Pencharz P; Tallis E

Organon Inc.
The fate of ingested pancreatic enzyme in patients with cystic fibrosis and pancreatic insufficiency. Durie PR

The Physicians’ Services Incorporated Foundation
The hippurate ratio: A new quantitative test of liver function. Paruya KN, Hemming A

Hospital for Sick Children Seed Grant
The role of T cells during H. pylori infection. Jones NL

Medical Research Council (Operating Grant)
The use of indicator amino acid oxidation to determine amino acid requirements. Pencharz P; Ball R

Human Nutrition Institute of the ILSI Research Foundation
Transferrin receptor on dried filter paper (US Funds). Zlotkin SH
faculty Victor S Blanchette, MB, Bchir, FRCP, FRCP(C)
- head, Mohamed Abdelhaleem, Maureen Andrew, MD,
Sylvain Baruchel, MD,Evelyn M Boyle, MD, FRCP(C),
Manuel Carcao, MD, FRCP(C), FAAP, Anthony Chan,
Helen SL Chan, MB, BS, FRCP(C), FAAP, David B Dix,
MBChB, FRCP(C), FAAP, John J Doyle, MD, FRCP(C),
FAAP, Melvin H Freedman, MD, FRCP(C), FAAP, Ronald
M Grant, MD, FRCP(C), Mark L Greenberg, MB, ChB,
FRCP(C), FAAP, Johann (Hans) Hitzler, MD, FRCP(C),
Melanie Kirby, MBBS, FRCP(C), David Malkin, MD,
FRCP(C), FAAP, Patricia Massicotte, MSc, MD, FRCP(C),
Nancy F Olivieri, MD, FRCP(C), Carol Portwine, MD,
FRCP (C), FAAP, E Fred Saunders, MD, FRCP(C), Sheila
Weitzman, MB, FRCP(C) part-time Ibrahim Al-Hashmi,
MBBS, FRCP(C), Robert Lau, MB, BS, FRCP(C) clinical
fellows Fawaz Al-Kasim, (Saudi Arabia), Ebtesam Al-
Oneizi, Alex Barron, (London, Ontario), Lynette
Bowes, Annie Huang, (University of Toronto, Canada),
Deborah Levy, Arumugavadivel Narendran, (University
of Toronto, Canada), Paul Nathan, Shoshana Revel-Vilk, Anjali Sharathkumar, Supriya Sharma, Lillian
Sung, (University of Toronto, Canada), Ian Thornley,
(England), Kathia Valverde, (Costa Rica) research fel-
lows Hassan Al-Trabolsi, (Saudi Arabia), Bikul Das,
MD, Benjamin Gesundheit

haematology/oncology

publications

Adamkiewicz TV, Lorenzana A, Doyle J, Richardson S: Peripheral vs.
central blood cultures in patients admitted to a pediatric oncology
Al-Jefri AH, Dror Y, Bussel JB, Freedman MH: Thrombocytopenia
with absent radii: Frequency of marrow megakaryocyte growth and
development factor-responsiveness. Pediatric Hematology and
Bang KWA, Speck ER, Blanchette VS, Freedman J, Semple JW: Unique
processing pathways within recipient antigen presenting cells deter-
mine IgG immune responsiveness against donor platelet MHC anti-
Barnard M, Bayani J, Grant RM, Teshima I, Thorner P, Squire J: Use of
multicolor spectral karyotyping in genetic analysis of pleuropul-
monary blastoma. Pediatric and Developmental Pathology: January
Barnard M, Bayani J, Grant RM, Zielenska M, Squire J, Thorner P:
Comparative genomic hybridization analysis of clear cell sarcoma of
the kidney. Medical and Pediatric Oncology: January 2000: 34: pp
113-116.
Barron MA, Duncan DS, Green GJ, Modrusan D, Connolly B, Chait P,
Saunders EF, Greenberg ML: Efficacy and safety of radiologically
placed gastrostomy tubes in paediatric haematology/oncology
patients. Medical and Pediatric Oncology: January 2000: 34: pp
177-182.
Bernstein ML, Baruchel S, Devine S, Markoglu N, Wainer IW,
Williams M, Blaney S, Moghrami A, Winick N, Vietti T: Phase I
and pharmacokinetic study of CI-980 in recurrent pediatric solid
tumor cases – A Pediatric Oncology Group Study. Journal of
Pediatric Hematology/Oncology: November 1999: 21(6); pp 494-
500.
Borrenstein SH, Gerstle T, Malkin D, Thorner P, Filler RM: The effects
of pre-biopsy corticosteroid treatment on the diagnosis of mediasti-
936-973.
Brunner HI, Freedman MH, Silverman E: Close relationship between
systemic lupus erythematosus and thrombotic thrombocytopenic
purpura in childhood. Arthritis and Rheumatism: July 1999: 42: pp


Research and Investigations

Children's Hospital of Eastern Ontario Research Institute

A feasibility study of fever and neutropenia triage for outpatient management (Trial involves both The Hospital for Sick Children and Children's Hospital of Eastern Ontario). Doyle J (Local principal investigator at The Hospital for Sick Children and Children's Hospital of Eastern Ontario). Study: Current year $15,000 term 1999 – 2000

NCIC (Canada)


Fujisawa Healthcare Inc.

A phase 3, randomized, double-blind, comparative trial of FK463 versus fluconazole for prophylaxis of fungal infections in patients undergoing a hematopoietic stem cell transplant (Total award amount is $4,000 per patient). Doyle J (Local principal investigator at The Hospital for Sick Children). Study: Current year $61,281 term 1999 – 2000

Medical Research Council

A randomized controlled trial in children comparing standard heparin versus the low molecular weight heparin, Clivarin for the treatment of deep venous thrombosis and/or pulmonary embolism. Massicotte MP, Dr. Maureen Andrew, Senior Investigator and Prof. Michael Gent, Clinical Trials Methodology and Jim Julian, Clinical Trials Methodology, Hamilton Civic Hospitals Research Centre, Hamilton, ON, in collaboration with The Hospital for Sick Children, Toronto, ON (Grant PA-14591)

Knoll Pharma Germany

A randomized controlled trial in children comparing standard heparin versus the low molecular weight heparin, Clivarin for the treatment of deep venous thrombosis and/or pulmonary embolism. Massicotte MP, Dr. Maureen Andrew, Senior Investigator and Prof. Michael Gent, Clinical Trials Methodology and Jim Julian, Clinical Trials Methodology, Hamilton Civic Hospitals Research Centre, Hamilton, ON, in collaboration with The Hospital for Sick Children, Toronto, ON (Grant PA-14588)

Medical Research Council (Grant PA-14588)

A randomized controlled trial in children comparing the low molecular weight heparin, Clivarin versus placebo for the thromboprophylaxis of central venous catheters. Massicotte MP, Dr. Maureen Andrew, Senior Investigator and Prof. Michael Gent, Clinical Trials Methodology and Jim Julian, Clinical Trials Methodology, Hamilton Civic Hospitals Research Centre, Hamilton, ON, in collaboration with The Hospital for Sick Children, Toronto, ON (current year $410,984 term 1997 – 1999)

Knoll Pharma Germany

A randomized controlled trial in children comparing the low molecular weight heparin, Clivarin versus placebo for the thromboprophylaxis of central venous catheters. Massicotte MP, Dr. Maureen Andrew, Senior Investigator and Prof. Michael Gent, Clinical Trials Methodology and Jim Julian, Clinical Trials Methodology, Hamilton Civic Hospitals Research Centre, Hamilton, ON, in collaboration with The Hospital for Sick Children, Toronto, ON (current year $139,988 term 1997 – 1999)

Knoll Pharma Germany

A randomized controlled trial in children comparing the low molecular weight heparin, Clivarin versus placebo for the thromboprophylaxis of central venous catheters. Massicotte MP, Dr. Maureen Andrew, Senior Investigator and Prof. Michael Gent, Clinical Trials Methodology and Jim Julian, Clinical Trials Methodology, Hamilton Civic Hospitals Research Centre, Hamilton, ON, in collaboration with The Hospital for Sick Children, Toronto, ON (current year $764,010 term 1997 – 1999)

The Hospital for Sick Children Seed Grant Competition
A randomized controlled trial of once daily versus three times daily tobramycin in combination with piperacillin in febrile neutropenic children undergoing bone marrow transplantation. Doyle J

current year $14,730 term 2000

The Hospital for Sick Children Research Institute Seed Grant
Adenovirus-mediated p53 gene transfer in aggressive sarcomas of childhood. Malkin D

current year $14,600 term 1999 – 2001

Children’s Hospital of Eastern Ontario Research Institute
An examination of interleukin-1 and interleukin-1 receptor antagonist levels in children with febrile neutropenia (Trial involves both The Hospital for Sick Children and Children’s Hospital of Eastern Ontario). Doyle J (Local principal investigator at The Hospital for Sick Children)

current year $15,000 term 1999 – 2000

Brain Child Grant
Angiogenesis (bFGF, VEGF) and Ras activation in neurofibromatosis type 1 associated plexiform neurofibroma. Baruchel S

current year $14,600 term 1999 – 2001

The Hospital for Sick Children Seed Grant Competition
Angiogenesis (bFGF, VEGF) and Ras activation in neurofibromatosis type 1 associated plexiform neurofibroma. Baruchel S, Parkin P, Gesundheit B, Becker L, Guba A

current year $37,500 term 2000 – 2001

National Institutes of Health – HL-97-013
Augmentation of fetal hemoglobin in beta thalassemia. Olivieri NF (US Funds)

current year $15,660 term 1998 – 1999

Heart and Stroke Foundation of Ontario (Grant NA-4107)
Bone density in children on long term warfarin. Massicotte MP, Dr. Jackie Haton, Hematology, Children’s Hospital of Eastern Ontario, Ottawa, ON; Dr. Steven Shaughnessy, Hamilton Civic Hospitals Research Centre, Hamilton, ON; Dr. Colin Weher, Nuclear Medicine, Hamilton Health Sciences Corporation, McMaster Site, Hamilton, ON; and, Jim Julian, Clinical Trials Methodology, Hamilton Civic Hospitals Research Centre, Hamilton, ON

current year $104,300 term 1999 – 2001

Heart and Stroke Foundation of Canada T3157
Cardiac iron loading and gene expression. Olivieri NF

current year $147,000 term 1999 – 2002

Medical Research Council of Canada/Pharmaceutical Manufacturers Association of Canada

current year $124,540 term 1998 – 2000

Bayer Canada/Canadian Red Cross Society Blood Services, Research and Development Programme
Cost-effectiveness of escalating dose factor VIII prophylaxis in severe hemophilia A. Blanchette V, Feldman B (Co-PI)

current year $473,000 term 1996 – 2001

Hamilton Health Sciences Foundation
Creatine supplementation in children with cancer on corticosteroids. Chan AKC (co-investigator)

current year $24,200 term 1999 – 2000

Heart and Stroke Foundation of Ontario, Grant No. NA4020
Development of a novel covalent antithrombin-heparin complex. Chan AKC, Andreo M (Co-Investigator)

current year $26,500 term 1999 – 2001

Ontario Research and Development Challenge Fund/Glyco Design Inc
Development of a thromboresistant surface using a novel covalent antithrombin-heparin complex. Chan AKC. (Annual renewal)

current year $12,000 term 1998 – 2004

MRC

current year $198,408 term 1998 – 2001

National Institutes of Health – HL-96-001B
E/beta Thalassemia: Study of the natural history and response to chemotherapy. Vichinsky E, Oakland, California, Olivieri NF (US Funds)

current year $1,996,255 term 1998 – 2003

Medical Research Council of Canada Group Grant
Effect of heparin derivatives on thrombin regulation by the fetal lung surface. Chan AKC

current year $20,302 term 1999 – 2002

Medical Research Council of Canada

current year $19,996 term 1998 – 2001

The Liposome Company
Factors associated with a switch from regular amphotericin B to lipid amphotericin B among BMT patients. Doyle J

current year $15,000 term 1999 – 2000

Searle Canada, Unit of Monsanto Canada Inc. Educational Grant
Flow cytometric evaluation of stem cell progenitors in pediatric cancer patients receiving Ifosfamide, Carbonplatin, Etoposide and Leridistim – A pilot study. Baruchel S, Freedman M, ...
<table>
<thead>
<tr>
<th>Sponsoring Organization</th>
<th>Project Title</th>
<th>Amount</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medical Research Council of Canada</td>
<td>Group in lung development project “Effect of Heparin derivatives on thrombin regulation by the fetal lung surface.”. Chan AKC, Andrew M, O’Brodovich H (Co-Investigators)</td>
<td>$12,090</td>
<td>1999 – 2000</td>
</tr>
<tr>
<td>Pediatric Consultants Research Grant Committee</td>
<td>Hematopoietic replicative stress (in support of Dr. Ian Thornley). Freedman MH</td>
<td>$4,870</td>
<td>1999 – 2000</td>
</tr>
<tr>
<td>Medical Research Council of Canada MT-11270</td>
<td>Impact of Chelation on iron transport and regulations. Templeton D, Olivier NF</td>
<td>$240,000</td>
<td>1999 – 2004</td>
</tr>
<tr>
<td>Isshu-Genki Pharm</td>
<td>In vitro activity of squalene as a chemopotentiating agent in neuroblastoma cell lines and as a cytoprotective agent in bone marrow progenitors. Baruchel S, Das B</td>
<td>$63,000</td>
<td>2000 – 2001</td>
</tr>
<tr>
<td>Hecht Memorial Foundation</td>
<td>Jak 2 Tyrophostin Inhibitors for ALL. Freedman MH, Roifman C</td>
<td>$16,000</td>
<td>1998 – 2001</td>
</tr>
<tr>
<td>Schering Plough Grant</td>
<td>Phase I study of oral continuous administration of temodal in recurrent brain tumors – A Canadian Phase I study. Baruchel S</td>
<td>$94,000</td>
<td>1999 – 2001</td>
</tr>
<tr>
<td>National Cancer Institute of Canada</td>
<td>Psychological Outcomes and Quality of Life after Pediatric Mone Marrow Transplantation. Saunders EF, Barrera M</td>
<td>$80,000</td>
<td>2000 – 2003</td>
</tr>
<tr>
<td>Sangstat</td>
<td>Rabbit ATG in BMT. Saunders EF</td>
<td>$7,500</td>
<td>1998 – 2000</td>
</tr>
<tr>
<td>Rhone-Poulenc Rorer Canada Inc.</td>
<td>Randomized placebo controlled trial of oral antibiotics in paediatric oncology patients with fever and neutropenia (Total award amount does not include product support). Doyle J</td>
<td>$460</td>
<td>1999 – 1999</td>
</tr>
<tr>
<td>Hospital for Sick Children, Seed Grant Competition</td>
<td>Replicative stress after stem cell transplantation (in support of Dr. Ian Thornley). Freedman MH</td>
<td>$35,592</td>
<td>1999 – 2001</td>
</tr>
<tr>
<td>Hospital for Sick Children SEED Grant</td>
<td>Sensitivity and specificity of ultrasounds and lineograms vs 34 Department of Paediatrics 1999-2000</td>
<td>$94,000</td>
<td>1999 – 2001</td>
</tr>
</tbody>
</table>
venography in children with central venous lines. Massicotte MP, Dr. Peter Chait, Diagnostic Imaging, The Hospital for Sick Children, Toronto, ON

current year $5,040 term 1998 – 2000

The Hospital for Sick Children, Paediatric Consultants
Sensitivity and specificity of ultrasounds and lineograms vs venography in children with central venous lines. Massicotte MP, Dr. Peter Chait, Diagnostic Imaging, The Hospital for Sick Children, Toronto, ON

current year $2,000 term 1998 – 2000

Heart and Stroke Foundation of Ontario (Grant NA-3670)
Sensitivity and specificity of ultrasounds and lineograms vs venography in children with central venous lines. Massicotte MP, Dr. Peter Chait, Diagnostic Imaging, The Hospital for Sick Children, Toronto, ON

current year $65,800 term 1998 – 2000

National Institutes of Health – HL52193-02
Stroke prevention trial in Sickle Cell disease. Adams R, Olivieri NF (US Funds)

current year $300,000 term 1995 – 2001

Grant Miller Cancer Research Grant
Studies to determine the presence of SV40 viral sequences and anti-SV40 antibodies in patients with osteosarcoma. Malkin D

current year $20,000 term 1999 – 2000

National Institutes of Health, USA
Thalassemia Centers’ Grant – HL-99-016 (US Funds). Olivieri N

current year $750,000 term 2000 – 2005

Bloorview Children’s Hospital Foundation
The Bloorview Children’s Stroke Project. deVeer G, MacGregor D, Curtis R, Tuff L, Friefeld, Andrew M (Co-Investigators)

current year $208,000 term 1998 – 2001

Centeon Canadian Granting Program
The platelet collagen receptor a2B1 integrin and frequency of a silent polymorphism in the a2 gene coding sequence in patients with type I von Willebrand Disease. Rand M, Freedman J, Lillie D, Tveten JM, Treutiger I, Blanchette VS (Co-I.)

current year $25,264 term 1999 – 2000

Heart and Stroke Foundation of Ontario
The procoagulant surface of activated platelets: Persistence in vivo and in vitro. Rand ML, Freedman J

current year $126,404 term 1999 – 2001

Medical Research Council, Research Scholarship Award
Thrombosis program in children. Massicotte PM


Knoll Pharma
Thrombosis program in children. Massicotte PM

current year $125,398 term 1998 – 2000

NIH/NCI The American College of Surgeons Oncology Trials Group Grant

current year $612,943 term 2000 – 2003

Medical Research Council of Canada
Warfarin prophylaxis in systemic lupus erythematosus patients with antiphospholipid antibodies. Mitchell L, Ginsburg J (Principal Investigators), Andrew M, Silverman E, Denburg J, Denburg S, Gent M (Professor), (Co-Investigators)

current year $165,000 1998 – 2001
immunology/allergy

faculty Chaim Roifman M.D., head, Adelle Atkinson M.D., Amos Cohen PhD, Gordon Donsky M.D., Milton Gold M.D., Sergio Grinstein PhD, David Hummel M.D., Howard Langer M.D., Sasson Lavi M.D. clinical fellows Michelle McLauchlin M.D. (Senior resident), Eyal Grunebaum M.D. research fellows James Booth PhD, Marc Coppolino PhD, Patricia Cuellar-Mata PhD, Andrew Freywald PhD, Rene Harrison PhD, Hisayoshi Hayashi PhD, John Marshall PhD, Katalin Szaszi PhD, Mauricio Terebiznik PhD, Shirley Tse, M.D./PhD, Otilia Vieira PhD

publications


research and investigations

Bayer Corporation
A randomized, double-blind, multicenter, parallel group trial comparing the safety and efficacy of IGIV Chromatography. Roifman CM

current year $320,071 term 1999 – 2000

Lotte & John Hecht Memorial Fund
Development of Jak2 Tyrophostin Inhibitors for treatment of recurrent acute lymphoblastic leukemia. Roifman CM

current year $50,000 term 1998 – 2001

Canadian Centres of Excellence for Genetic Disease – Genetics Program
Models of hematopoietic gene therapy. Roifman CM

current year $53,455 term 1998 – 2002

Medical Research Council of Canada
Molecular mechanisms of inborn immune-deficiencies in T-cell development and signal transduction. Roifman CM (4th

current year $120,320 term 1998 – 2003

National Institute of Health
Risk of cancer in A-T families. Haile R, Roifman CM (US Funds)


Medical Research Council of Canada
Role of protein tyrosine kinases Jak-2 in acute lymphoblastic leukemia. Roifman CM (3rd Renewal)

current year $81,245 term 1996 – 1999

National Cancer Institute of Canada
Role of protein tyrosine kinases Jak-2 in acute lymphoblastic leukemia (4th renewal). Roifman CM

current year $117,450 term 2000 – 2003
**faculty**

Stanley E. Read, MD, PhD., Head, Upton D. Allen, MBBS, E. Lee Ford-Jones, MD, Susan M. King, MD, CM, Anne G. Matlow, MD

**part-time**

Dat Tran, MD, Ian Kitai, MD cross appointments

William D. Biggar, MD, Marvin Gans, MD, Susan Richardson, MD, Sharon Walmsley, MD, Lionel Weinstein, MD clinical fellows

Sandra Arnold, MD, Sean Ari Bitnun, MD, Galia Grisaru-Soen, MD, David Krieser, MD, Annu Wadhawa, MD

---

**publications**


King S, Matlow AG: Control of methicillin-resistant Staphylococcus aureus in Canadian paediatric institutions is still a worthwhile goal. Paediatric Child Health: July 1999: 4: pp 337-341.


Matlow AG: Infection control in the office and clinic. Surgical


Books and chapters in books


Research and investigations

The Research Institute, The Hospital for Sick Children (Seed Grant)


current year $13,500 term 2000

NIH

A phase III randomized, double-blinded, study of nevirapine for prevention of maternal-fetal transmission in pregnant HIV-infected women. ACTG 316. Read SE, Gomez (PI), Nassau site (US Funds)

current year $60,000 term 1999 – 2000

The Research Institute, The Hospital for Sick Children (Seed Grant)

A randomized controlled trial of once daily versus three times daily tobramycin in combination with piperacillin in febrile neutropenic children undergoing bone marrow transplantation. Doyle J, Sung J, Dupuis L, Taddio A, Bliss B, Addolletti M, Allen UD

current year $25,044 term 2000 – 2001

Ontario Ministry of Health via Kingston-Frontenac Health Unit

Active human surveillance for west nile virus encephalitis in Ontario. Ford-Jones EL (reporting Maus M, LeBer C), Pearton M, Dwight P, Stirling R

current year $118,000 term 2000

Paediatric Consultants Research Grant

Acute disseminated encephalomyelitis: Etiologic review, neurologic and cognitive outcome. MacGregor D, Ford-Jones EL, Hahn BC, Heurter H

current year $3,204 term 1999 – 2001

Research Institute, Children’s Hospital of Eastern Ontario


current year $10,000 term 1998 – 2000

OHPN


current year $150,000 term 1999 – 2003

Abbott Laboratories, USA

An open-label phase I/II study of ABT-378/Ritonavir in combination with reverse transcriptase inhibitors in HIV-infected children. Allen UD (PI for Canadian site) for ABT-378

International Research Group, Read S, King S (per patient enrolled, funding in CDN $)

current year $10,290 term 1999 – 2000

Abbott

An open-label phase I/II study of ABT-378/ritonavir in combination with reverse transcriptase inhibitors in HIV-infected children. Gomez, Read SE, McNeil (co-PI), Nassau site (US Funds)

current year $60,000 term 1999 – 2000

Pfizer


current year $19,000 term 2000

ABBOTT Laboratories, Canada


current year $21,667 term 1998 – 2000

Hoffmann-LaRoche Pharmaceuticals

Community surveillance for antibiotic resistant bacteria (day cares, family day care homes; now Jamaica). Kellner J, Ford-Jones EL, Allen U

current year $20,000 term 1996 – 2000

Exergen-Phillips

Comparison of the temporal artery, aural and rectal thermometry in children in the emergency department. Schub S, Allen UD, Komar L, Read S, Stephens D

current year $77,000 term 1999 – 2000
<table>
<thead>
<tr>
<th>Project Title</th>
<th>Investigator(s)</th>
<th>Funding Agency(s)</th>
<th>Amount</th>
<th>Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epidemiology of bacterial colonization of neonates. Matlow AG, Whyte H</td>
<td></td>
<td>Hoffmann Laroche</td>
<td>$20,000</td>
<td>1999 – 2000</td>
</tr>
<tr>
<td>Evaluating safety and risk of anti-retroviral drug exposure during pregnancy for infants born to HIV positive women in Ontario. King SM, Koren G</td>
<td></td>
<td>Ontario HIV Treatment Network (OHTN)</td>
<td>$175,000</td>
<td>1999 – 2002</td>
</tr>
<tr>
<td>Evaluating the safety and risk of anti-retroviral drug exposure during pregnancy for infants born to HIV positive women in Ontario. King SM, Koren G</td>
<td></td>
<td>Glaxo-Wellcome &amp; Biochem-Pharma</td>
<td>$100,000</td>
<td>1999 – 2002</td>
</tr>
<tr>
<td>HIV viral load. Read SE</td>
<td></td>
<td>Ontario MOH</td>
<td>$60,000</td>
<td>1997 – 2000</td>
</tr>
<tr>
<td>Open randomized comparative multicenter study of the efficacy, safety and toleration of voriconazole versus amphotericin B followed by other licensed antifungal therapy in the treatment of acute invasive aspergillosis in immunocompromised patients. current year $36,250 per 5 subjects enrolled)</td>
<td></td>
<td>Abbott Laboratories Limited</td>
<td>$2,781</td>
<td>1997 – 2000</td>
</tr>
<tr>
<td>Hospital for Sick Children Foundation</td>
<td></td>
<td>Pfizer</td>
<td>$64,895</td>
<td>1999 – 2000</td>
</tr>
</tbody>
</table>
faculty Keith Tanswell, MD, head; Jonathan Hellmann, MD; Andrew James, MD; Aideen Moore, MD; Christine Newman, MD; Boriana Parvez, MD; Max Perlman, MD; Hilary Whyte, MD scientific faculty Martin Post, DVM, PhD

part-time Rosemary Moodie, MD associate medical faculty Elizabeth Asztalos, MD; Michael Dunn, MD; Ann Jefferies, MD; Edmond Kelly, MD; Karel O’Brien, MD; Arne Ohlsson, MD; Andrew Shennan, MD; Brian Simmons, MD; Martin Skidmore, MD; Sharon Unger, MD; Kin Fan Young Tai, MD clinical fellows Anwar Asady, MD (Peshawar University, Pakistan), Catherine Taylor, MD (University of Toronto), Ethel Ying, MD (University of Toronto), Federico Zagli, MD (Padua University, Italy), Geraldine Ng, MD (England), Naeem Parvez, MD (Dow University, Pakistan), Nilesh Senthie, MD (Bharathiar University, India), Sumesh Thomas, MD (UK), Cherrie Tan-Dy, MD (Boston University, US), Jae Kim, MD (University of Toronto), Nancy Radakovic, MD (McMaster University), Preeti Jain, MD (Rajasthan University, India), Yenge Diambomba, MD (Laval University), Prakeshkumar Shah, MD (SMT.N.H.L. Muni Medical School, India), Ranjit Kylat, MD (Stanely University, India), Shaheen Doctor, MD (McMaster University), Eugene Ng, MD (University of Toronto), Frank Bloomfield, MD, MD (Government Medical College, India), Abhay Lodha, MD (University of Melbourne, Australia) research trainees Yuan Shizeng, MD, PhD (University of Toronto), Robert Jankov, MD (University of Toronto), Ian Copeland, MSc (University of Toronto), Nicholas Cartel, MSc (University of Toronto), Veronica Del Riccio, BSc (University of Toronto), Sharadindu Rai, BSc (University of Toronto), Sujitha Ratnasingham, BSc (University of Toronto), Ross Ridsdale, MSc (University of Toronto), Philipp Maehl, MD (Humboldt-University of Berlin, Germany), Minke van Tuyl, MD (Erasmus University, The Netherlands)


books and chapters in books


research and investigations
Sanderson Endowment Fund
A Purchase of Soluble Growth Factor Receptors. Tanswell AK
current year $3,000 term 2000
Canadian Institutes of Health Research, Grant #MGP-15276
Core. Tanswell AK
current year $250,935 term 1999 – 2004
INO Therapeutics Inc
Early inhaled nitric oxide in the near mature and mature newborn with severe hypoxenic respiratory failure
current year $1,500/patient. James AG (HSC site).
current year $1,500 term 1999 – 2000
Society for Academic Continuing Education – Fellowship Training in Research in Continuing Education – Research Fellowship
Ethical dilemmas in clinical practice: Can continuing education programs play a role? (US Funds). Hellman J
current year $4,500 term 1999 – 2000
The Hospital for Sick Children Seed Grant
Inflammatory mediated damage to fetal bowel in gastrochisis. Moore A
current year $11,340 term 1999 – 2001
PSI Funding for Gastrochisis Project
Inflammatory mediated damage to fetal bowel in gastrochisis. Moore A
current year $90,000 term 1999 – 2000
HSC Research Institute (Seed Funding Competition)
Maternal smoking and hypoxic ischemic encephalopathy (HIE). James AG, Perlman M, Koren G
current year $16,480 term 1998 – 2000
Canadian Institutes of Health Research, Grant #MGP-15276
Mechanisms and mediators of pulmonary oxygen toxicity. Tanswell AK
current year $82,422 term 1999 – 2004
Canadian Institutes of Health Research
Molecular regulation of pulmonary phosphatidylcholine synthesis. Post M
current year $98,337 term 1999 – 2004
Intermedico
Multicentre IL-8 trial. Moore A
current year $22,470 term 1999 – 2000
Canadian Institutes of Health Research, Grant #MOP-37981
Regulation of normal and oxygen-mediated aberrant postnatal lung growth. Tanswell AK, Ha J
current year $133,281 term 2000 – 2005
Canadian Institutes of Health Research
Role of epithelial-mesenchymal interactions in lung development. Post M
current year $150,796 term 1999 – 2004
Canadian Institutes of Health Research
Role of mechanical forces on lung growth and differentiation.
Post M
current year $104,012 term 1999 – 2004

Canadian Cystic Fibrosis Foundation
SPARX II: Gene-based therapy for cystic fibrosis lung disease.
O’Brodovich H (Director), Tanswell AK (Assoc. Director), Bear C,
Coates G, Corey M, Dolovich M, Durie P, Hu J, Lukas G, Sweezey
N, Tsui LC, Tullis E

The Hospital for Sick Children Seed Grant
The protective effects of breastmilk in the very low birth weight
infant. Moore A
current year $9,250 term 1999 – 2001

Medical Research Council of Canada
Two year outcomes of infants and mother enrolled in the term
breech trial. Whyte HE, Hannah M, Saigal S, Hodnett ED, Roger
A, Hannah WJ, et al
current year $46,175 term 1999 – 2004

Associated Medical Services Inc
Withdrawal of Life Sustaining Medical Technology in the
Neonatal Intensive Care Unit: Factors Affecting Physician
Practice. Hellmann J, Jacobs S, O’Brien K, McDillster M, Harrison
C.
current year $15,000 term 1999 – 2000
nephrology

facultty
Denis F. Geary MB MRCP(UK), FRCP(C), head,
Gerald S. Arbus MD FRCP(C), J. Williamson Balfe, MD FRCP(C), E. Harvey MD FRCP(C), D. Hébert MD FRCP(C),
Norman Rosenblum MD FRCP(C) part-time faculty Leo Levin MD FRCP(C) clinical fellows Rajendra Bhimma
(to Dec. 31, 1999 – University of Natal, 1988), Rhona Capisonda (from Jan 1, 2000 – Manila Central University, 1989), Sanjeev Gulati (University of Delhi, 1985), Eleonora Hansch (University of Manitoba, 1996), Henry Morgan (University of Birmingham, 1993), Veronique Phan (McGill University, Montreal 1994) research fellows Silviu Grisaru (Technion Institute, Israel 1991), Tino Piscione (Queen’s University, Kingston 1991)

publications

books and chapters in books

research and investigations
Medical Research Council of Canada
Control of Renal Branching Morphogenesis: Cellular Events and Molecular Mechanisms. Rosenblum ND
current year $60,733 term 1997 – 2000
Kidney Foundation of Canada
Control of Renal Collecting System Morphogenesis by Glypican-3. Rosenblum ND
current year $40,000 term 1999 – 2001
Merck
Immunogenicity and persistence of antibody levels following varivax in children with nephrotic syndrome. Arbus GS (Co-Investigator)
current year $5,000 term 1998 – 2001
Ronald McDonald House
Molecular determinants in children with diarrhea positive Hemolytic-Uremic Syndrome. Arbus GS
current year $3,000 term 1998 – 2000
Pfizer
current year $200,000 term 2000 – 2001
The Hospital for Sick Children Seed Grant
Randomized trial of antibiotic prophylaxis in children with vesico-ureteric reflux. Geary DF
current year $11,500 term 1999 – 2001

null
Pfizer
The Pediatric Use of Amlodipine in the Treatment of Hypertension. A population pharmacokinetic trial (PATH-2).

*Arbus GS*

- **current year**: $100,000
- **term**: 2000 – 2001

Janssen
To assess the benefit of concomitant therapy of Prednisone with Levamisole for the initial episode of Idiopathic Nephrotic Syndrome. *Arbus GS*

- **current year**: $6,000
- **term**: 1999 – 2001
neurology

faculty O. Carter Snead, MD, FRCP(C) – head, Brenda Banwell, MD, FRCP(C), Gabrielle deVeber, MD, FRCP(C), Robert H.A. Haslam, MD, FRCP(C), William Logan, MD, FRCP(C), Maureen Lovett, PhD, Daune L. MacGregor, MD, FRCP(C), Berge Minassian, MD, FRCP(C), Hiroshi Otsubo, MD, Sheila W. Roberts, MD, FRCP(C), Jay Rosenfield, MD, FRCP(C), Ingrid Tein, MD, FRCP(C), Jiri Vajsar, MD, FRCP(C), Shelly Weiss, MD, FRCP(C)
part time David Berbrayer, MD, FRCP(C) (Honorary), Pam Cooper, MD, FRCP(C), Rosalind Curtis, MD, FRCP(C), Darcy Fehlings, MD, FRCP(C), Cynthia Goldfarb, MD, FRCP(C), SML Kirkpatrick, MD, FRCP(C), Jeffrey Kobayashi, MD, FRCP(C), John Lovering, MD, FRCP(C), Douglas McGreal, MD (Honorary), Gilbert Miller, MD, FRCP(C), Golda Milo-Manson, MD, FRCP(C), Gordon Murphy, MD, FRCP(C), (Honorary), Joyce Nesker Simmons, PhD, Peter Rumney, MD, FRCP(C), Diann Superina, MD, FRCP(C) (Honorary), Jentien Vermaat, MD, FRCP(C) (Honorary), Fred Weinberg, MD, FRCP(C) (Honorary)
clinical fellows Abdullah Al-Rasheed, MD, King Saud University, Abdulaziz Al-Ruwaishid, MD, King Saud University, Mubeen Fatima, MBBS, University of Sind, Meredith Golomb, MD, Harvard University, Sylvain Lanthier, MD, University of Montreal, Mark Mackay, MBBS, Monash University, Adel Mahmoud, MD, Cairo University, Shahid Parvez, MB, Sofia Medical Academy, Deborah Renaud, MD, University of Western Ontario, Michael Salman, MBBS, Royal Free Hospital School of Medicine, Ngai-Chuen Sin, MBBS, University of Hong Kong
developmental fellows Sherri Baine, MD, McMaster University, Janine Flanagan, MD, University of Toronto, Karen Harman, MD, McMaster University, Tamarah Kagan-Kushnir, MD, University of Toronto, Tara Kennedy, MD, University of Western Ontario
residents Elizabeth Donner, MD, McMaster University, Cecil Hahn, MD, University of Toronto, Hanna Kolski, MD, University of Alberta, Jonathan Ponesse, MD, Queen’s University
publications


Hu RQ, Bannenjeek PK, Snead OC: Regulation of presynaptic g-aminobutyric acid (GABA) and glutamate release mediated by the GABAC/g-hydroxybutyric acid (GHB) receptor complex in rat cerebral cortex in the GHB model of absence seizures in rat. Neuropharmacology: January 2000: 39: pp 427-439.


Astra-Zeneca Pharmaceuticals, Inc.

A multicenter, double-blind, placebo-controlled, randomized trial and an open-label long-term tolerability trial of zolmitriptan (ZOMIG™) for the acute treatment of migraine headaches in adolescent subjects. MacGregor DL (Co-Principal Investigator)

current year $28,000 1999 – 2000

Muscular Dystrophy Association in US


current year $138,000 term 2000 – 2002

The Hospital for Sick Children, Paediatric Consultants Grant

ACTH vs Vigabatrin for infantile spasms. Snead OC

current year $5,000 term 1998 – 1999

Paediatric Consultants
Acute disseminated encephalomyelitis: Etiological review, neurologic and cognitive outcome. MacGregor DL

current year $1,602 term 1999 – 2000

CIHR

Atypical Absence Epilepsy: GABABR-mediated mechanisms. Snead OC, Cortez M, Francis E

current year $118,000 term 2000 – 2003

Hospital for Sick Children, Paediatric Research Grant


current year $5,000 term 1999 – 2000

Medical Research Council

Autism and moebius syndrome. Bryson S, Roberts W (Investigator)

current year $54,745 term 1999 – 2001

Paediatric Consultants

Behavioural treatment trial for children with ADHD and sleep disorders. Weiss S, Corkum P, Stephens D

current year $4,025 term 1999 – 2000

Bloorview Children’s Hospital Foundation

Canadian pediatric ischemic stroke registry and outcome project. deVeber G, MacGregor DL (Co-Investigator)

current year $208,000 term 1998 – 2001

Hospital for Sick Children Pediatric Consultants Grant

Central nervous system recovery following pediatric ischemic stroke evaluated by functional MRI. deVeber G

current year $5,000 term 1999 – 2000

Grotto Cerebral Palsy Foundation

Cerebral palsy research. Logan WJ

current year $15,000 term 1996 – 2000

Canadian Cancer Society

Development of Communications Skills Teaching for Faculty to Clerks and Residents. Rosenfield J (EFPO site coordinator at Toronto)

current year $20,000 term 1998 – 2001

Paediatric Consultants

Educatng paediatric residents: A framework for cross-cultural communication. Lingard L, Rosenfield J, Tullett S

current year $4,958 term 1999 – 2000

Bloorview

Epilepsy Research Program. Snead OC, Burnham M

current year $140,000 term 1997 – 2001

Don and Linda Carter Foundation

Evaluation of function in Holoprosencephaly (US Funds). Logan WJ

current year $6,091 term 1999 – 2000

Hospital for Sick Children, Paediatric Consultants Research Grant


current year $5,000 term 1999 – 2000

Medical Research Council of Canada

g-Hydroxybutyrate: Second messenger mechanisms. Snead OC

current year $80,000 term 1997 – 2000

Medical Research Council of Canada

mGluR4-mediated mechanisms of absence seizures. Snead OC, Hampson D

current year $80,000 term 1999 – 2002

National Institute for Health (NIH), Washington DC


current year $123,810 term 1998 – 2003

National Health Research and Development Program (NHRDP)

Health, social and environmental determinants for developmental attainment in young children in Canada. To T, Dick P, Parkin P, Rosenfeld J, Gutman A

current year $50,600 term 1999 – 2000

National Institute of Health (US) ITO1HD35946-01

Hydrocephalus: MRI morphometric and cognitive correlations (US Funds). Dennis M, MacGregor DL (Co-Investigator)

current year $226,228 term 1998 – 2003

Medical Research Council


current year $118,419 term 1997 – 2002

The Hunter Foundation

Medical education in child development. Roberts W

current year $40,000 term 1999 – 2001

Medical Research Council of Canada

Milk fat in the ketogenic diet. Snead OC, Cunnane S

current year $30,000 term 1999 – 2000

Heart and Stroke Foundation of Canada

Molecular characterization of the plasmalemmal carnitine transporter. Tein I


NIH
Murine knockout of 4-hydroxybutyrate aid. Snead OC, Gibson M (US Funds)
current year $504,000 term 2000 – 2004

Sigma-Tau Pharmaceuticals Inc. Grant
Neonatal Carnitine Screening Project – Multicentre collaboration (Columbia University, New York, NY; Children's Hospital of Pittsburgh and Neo Gen Screening, Inc., Pittsburgh, PA; University of Toronto, Toronto, ON.; Yale University School of Medicine, New Haven, CT). De Vivo DC, Tein I
current year $675,000 term 1996 – 2001

NINDS Grant ZROINS 21889-16
Neurobehavioural outcome of head injury in children – Subcontract $279,021 (US Funds). Dennis M, MacGregor DL (Co-Investigator)
current year $864,481 term 1998 – 2004

Neurometabolic Research Fund
Neurometabolic Research. Tein I
current year $5,000 term 1991 – 2000

Heart and Stroke Foundation
Predictors of neurodevelopmental outcome after neonatal cardiopulmonary bypass. Kelly E, MacGregor DL (Co-Investigator)
current year $70,159 term 1998 – 2000

Government of Ontario
Research on current definitions, standards of assessment, programming and teacher education as related to early identification of learning disabilities. Rosenfield J (Co-Chair of Provincial Task Force/Steering Committee)
current year $500,000 term 1999 – 2001

Bloorview Children's Hospital Foundation
The Bloorview children's stroke project: Canadian pediatric ischemic stroke registry and outcome projects. deVeber G
current year $208,000 term 1998 – 2001

Medical Research Council of Canada
The treatment of comorbid ADHD and RD: A randomized controlled trial of stimulant medication and reading remediation. Tannock R, Lovett MW, Benson NJ, Ickowicz A
current year $465,000 term 1996 – 2001

LEO Laboratories
Tinzaparine: Dose finding study of low molecular weight heparin in children with thromboembolism. deVeber G
current year $250,000 term 1999 – 2000

Ontario Mental Health Foundation
Treating the core phonological deficits of developmental dyslexia: A controlled evaluation of auditory and articulatory phonological training methods. Lovett MW, Barron RW
current year $130,322 term 1997 – 2000

National Institutes of Health, National Institute of Child Health and Human Development
Treatment of developmental reading disabilities. Morris R, Lovett MW, Wolf M (US Funds)
current year $3,055,740 term 1996 – 2001

Research Institute, Hospital for Sick Children, Seed Grant 2000
Use of Creatine Monohydrate in the treatment of Duchenne Muscular Dystrophy. Vajsar J
current year $26,475 term 2000 – 2002
paediatric medicine

faculty Patricia C Parkin, MD, head, Tara T. Baron, MD, Stacey E Bernstein, MD, Victoria J. Davis, MD, Paul T Dick, MDCM, Jeremy N Friedman, MBChB, Beth Gamulka, MDCM, Marvin H Gans, MD, Alan Goldbloom, MDCM, Saul Greenberg, MD, Robert I Hilliard, MD, Dirk W Huyer, MD, Moshe M Ipp, MBBCh, Sheila J Jacobson, MBBCh, Bernice R Krafcik, MBBCh, Sanjay Mahant, MD, Marcellina Mian, MDCM, Michael Peer, MD, Marina Salvadori, MD, Norman R Saunders, MD, Michelle K. M. Shouldice, MD, Susan E Tallett, MBBS, Teresa To, PhD, Michael Weinstein, MD, Nancy L Young, PhD part-time Lisa Allen, MD, Crawford Anglin, MD, Tony Barozzino, MD, Glenn Berall, MD, Alan Berzen, MBBCh, Lionel Boxall, MBBS, Michael Braudo, MBChB, Nicolette Caccia, MD, Bonnie Cameron, MD, Andrew Chlebus, MD, Carlos Contreras, MD, Susan Coombs, MD, William Davidson, MD, Till Davy, MD, Gordon Donsky, MD, Michael Dorey, MD, Katy Driver, MBBS, Andrew Duic, MD, Anthony Duke, MD, Thomas Egan, MD, Robert Farber, MD, Michelle Farine, MD, Hyder Fazal, MD, Darcy Fehlings, MD, Mark Feldman, MD, William Feldman, MDCM, Leona Fishman, MD, Adelaide Fleming, MD, Ralph Folman, MD, John Freedman, MD, Lee Ann Gallant, MD, Hartley Garfield, MD, Colin Geft, MBBCh, Rose Geist, MD, Sabine George, MD, Milton Gold, MD, Morton Goldbach, MD, Leslie Goodis, MD, Stuart Gordner, MD, Manuel Greenberg, MD, Katerina Haka-Ikse, MD, Richard Hamat, MD, William Hanley, MD, William Hawke, MD, James Hilton, MD, Anthony Hui, MD, Nicole Inch, MD, Jaya Islur, MBBS, Walter James, MD, Anna Jarvis, MBBS, Ross Johnson, MD, Shahida Khan, MBBS, Ian Kitai, MD, Luba Komar, MD, Beverley Kupfert, MD, Howard Langer, MD, Bernard Laski, MD, Bernard Laytner, MD, Cinda Lee, MD, John Lee, MD, Eun Lee-Hong, MD, Michael Lester, MD, Leo Levin, MD, Peter Lewin, CDMD, Patricia Linders, MD, Martin Lindzon, MD, John Lovering, MD, Mary MacDonald, MD, Gerard MacGillivray, MD, David Maresky, MBChB, Aubrey Maze, MBBCh, Gilbert Miller, MD, Janette Milne, MD, Golda Milo-Manson, MD, William Mounstephen, MD, Paul Munk, MD, Joan Murphy, MD, John D. Murray, MD, Jack Newman, MD, Raymond Ng, MD, Eleazar Noriega, MD, Ricardo Olivares, MD, Larry Pancer, MD, Evangelia Papadouris, MBBCh, Jocelyne Parent, MD, Joseph Porepa, MD, Percy Rajchgot, MD, Colin Ramsay, MD, Anne Richards, MBBS, Knox Ritchie, MBBCh, Wendy Roberts, MD, Jay Rosenfield, MD, Antonina Saksznajder, MD, Susan Schneeweiss, MD, Suzana Schuh, MD, Clive Schwartz, MBBCh, Michael Sgro, MD, Chandrakant Shah, MD, David Shawn, MD, Pryma Skowron, MD, Elspeth Sladen, MBBS, Janet Star, MD, Donald Stewart, MD, Peter Strachan, MD, Heshy Sturm, MD, Robert Sutton, MBBS, Joseph Telch, MD,
Lionel Weinstein, MD, Jeff Weisbrot, MD, Sheldon Wise, MD, Martin Wolfish, MD, Brenda Woods, MD

clinical fellows Ibrahim Al-Jalsi, MD (King Abdulaziz University, Jeddah, Saudi Arabia), Astrid Guttmann, MDCM (McGill University, Montreal, Canada)

publications


Friedman J, Laxer R: How can we continue to provide excellent yet difficult after hours on-call clinical coverage for patients in the academic health sciences centres? The HSC experience. Canadian Medical Association Journal: January 2000: 163(3): pp 298-299.


Friedman J, Paisely M: Consultation on a general pediatric inpatient unit; is there room for improvement? Annals, Royal College of Physicians and Surgeons: July 1999: 32(5): pp 272-275.


Lingard L, Haber RJ: What do we mean by ‘relevance’?: A clinical and


Morelli JG, Tay Y-K, Rogers M, Halfant A, Kraichik B


books and chapters in books


research and investigations

Canadian Dermatology Foundation

A multi-centre study, across Canada – A prospective study on the age of onset, incidence, geographic distribution and risk factors associated with atopic dermatitis (Additional funding awarded 1998). Kraichik BR

current year $35,000 term 1996 – 2000

Fujisawa GmbH

A Pan-European/Canadian, randomized, double-blind, comparative study to evaluate the efficacy and safety of 0.03% Tacrolimus (FKS06) ointment, 0.1% Tacrolimus (FKS06) ointment and 1% Hydrocortisone acetate ointment in children with moderate to severe atopic dermatitis. Kraichik BR

current year $24,347 term 1998 – 2000

Institute for Clinical Evaluative Sciences

Ability vs. disability in children with musculoskeletal disease: Rescaling the childhood health assessment questionnaire. Feldman B, Young NL (Co-Investigator)

current year $4,448 term 2000 – 2001

Fujisawa Canada Inc

An open-label, long-term, follow-up study to evaluate the safety of topicaly applied Tacrolimus ointment for the treatment of atopic dermatitis in pediatric patients. Kraichik BR.

current year $8,250 term 1999 – 2000

Hospital for Sick Children Research Institute Seed Grant

Angiogenesis (bFGF, VEGF) and RAS activation in neurofibromatosis type 1 associated plexiform neurofibroma. Barudel S, Parkin P, Gesundheit B, Becker L, Guha A

current year $17,925 term 2000 – 2002

The Hospital for Sick Children, Pediatric Consultants Research Grant


current year $5,000 term 1998 – 1999

The Physicians Services Incorporated Foundation

National Paediatric Resident Survey. Vobha S, Tallett S, Hilliard RI

current year $14,200 term 1998 – 1999

Hospital for Sick Children Foundation


Research Institute and Department of Paediatrics, Hospital for Sick Children

Career advisors for young scientists and clinician scientists: Investigating perceptions and understanding problems. Lingard L (PI), Sherman P, Liphsite H

current year $20,877 term 1999 – 2000

The Hospital for Sick Children Seed Grant Competition

Characterizing episodes of home care for children. Dick PT

current year $31,500 term 2000 – 2001

Ontario Neurotrauma Foundation

Crash Protection for Children. Howard A, Wright J, Parkin P, Letts R, Mackay M, German A

current year $31,500 term 2000 – 2001

Social Sciences and Humanities Research Council of Canada

Creating the healthcare professional: The role of situated language practices in clinical education settings. Schreyer C, Lingard L (Co-PI), Spafford M, Boyd M, Laurence M

current year $35,000 term 1996 – 2000
Paediatric Consultants’ Seed Grant
Defining the genetic basis of atopic dermatitis based on a reliable phenotype. Krafchik BR

The Hospital for Sick Children, Paediatric Consultants Research Grant
Delayed antibiotic treatment for otitis media. Wong E, Ipp, M

Institute for Clinical Evaluative Sciences
Describing the health status of Canadian children: Exploring the Health Utilities Index Mark III (Measurement). Young NL, To T (Co-Investigator)

Physician Services Inc.
Development of a dehydration score for use in children under 2 years of age. Friedman J, Parkin P

The Hospital for Sick Children, Pediatric Consultants Research Grant
Educating pediatric residents: A framework for cross-cultural communication. Lingard L (PI), Hatala R, Regehr G, Stern D

University of Michigan Medical School Research Endowment Fund
Negotiating professional dilemmas: A rhetorical analysis of reasoning and rationalization. Lingard L (PI), Stern D

Ontario Ministry of Health
Ontario Ministry of Health Care Scientist Award – Salary + Benefits. Dick PT

Research Institute, Hospital for Sick Children Seed Grant Competition
Prescription patterns of asthma medication in children. Dick PT, To T

The Health Institutes Design Grant, A Joint Initiative of the Social Sciences and Humanities Research Council of Canada and the Canadian Health Services Research Foundation
Shifting responsibilities and settings for health (evaluation and planning of home care in Canada’s Health System). Coyte P, Dick PT
The Hospital for Sick Children, Pediatric Consultants Research Grant
Teaching preclerkship clinical skills in the private office setting: A prospective cohort study. Schneider R, Lingard L (Co-PI)
current year $5,000 term 1999 – 2000

The University of Toronto Faculty of Medicine Dean’s Fund New Staff Grant
Team communications in the operating room: A rhetorical classification and interdisciplinary analysis of common problems. Lingard L (PI), Reznick R, Espin S, DeVito I, Regehr G
current year $10,000 term 1999 – 2000

Health Canada, Health Transition Fund
Tele-homecare: Multi-site Canadian modeling component. Young NL, Dick P
current year $87,240 term 1999 – 2001

Health Transition Fund (Health Canada)
Tele-Homecare: Multi-Site Canadian Modeling Component. Dick PT, Young N
current year $87,240 term 1999 – 2000

G.H. Wood Foundation
Telemedicine evaluation program (Effectiveness). Filler R, Young NL
current year $250,000 term 1997 – 2002

American Academy of Pediatrics Practitioner Research Grant
current year $5,000 term 1998 – 2000

The Hospital for Sick Children, Seed Grant
current year $13,000 term 1998 – 2000

Institute for Clinical Evaluative Sciences of Ontario
The Ontario health care services mosaic in 2000. Dick PT
current year $29,423 term 2000 – 2001

The National Institute of Health
The participation of children with physical disabilities. Law M, Young NL
current year $1,360,370 term 2000 – 2003

Office of the Health and Information Highway Health Infrastructure Support Program (Health Canada), Bell Canada Telemontology Fund
The tele-homecare project: An integrated transition between hospital and home. Young N, Dick PT
current year $836,521 term 1999 – 2000

The Hospital for Sick Children Foundation Donation
To set up research into Stephen Johnson disease. Krafchik BR
current year $3,408 term 1999 – 2000

Novartis Pharma Canada Inc.
To study the effective duration (1, 2 or 4 weeks) and safety of Lamisil in patients with tinea capitis due to Trichophyton species. Krafchik BR.
current year $58,574 term 1999 – 2000

Bayer Inc.
To support a dermatology fellow. Krafchik BR
current year $15,000 term 1997 – 2000

Medical Research Council/Association of Canadian Medical Colleges
Understanding relevance in clinical communication: A cross-departmental study of definitions and applications by experts and novices. Lingard L
current year $14,320 term 1999 – 2000

Paediatric Consultants
Using the private office as a site for preclerkship clinical skills training, paediatrics: A prospective pilot study. Schneider R, Lingard L, Jacobson SJ (Co-Investigators)
current year $5,023 term 1999 – 2000
faculty  Allan L Coates, B.Eng.(Elect), MDCM, head,
Jim Hu, PhD , Ian B MacLusky, MBBS, FRCP(C)
Paediatrics, FRCP(C) Respiratory Medicine, Hugh
O’Brodovich MD, FRCP(C) Paediatrics; ABP Paediatrics;
FRCP(C) Respiratory Medicine, J Joseph Reisman, MD,
MBA (until December 31, 1999), Melinda Solomon, MD,
FRCP(C) Paediatrics, FRCP(C) Respiratory Medicine,
Padmaja Subbarao, MD, FRCP(C) Paediatrics ABP
Paediatrics, FRCP(C) Respiratory Medicine, Neil B
Sweezey, BSc, MD, FRCP(C) Paediatrics, FRCP(C)
Respiratory Medicine part-time Peter Bikangaga,
MBBS, FRCP(C) Paediatrics, FRCP(C) Respiratory
Medicine, Jacqueline Nemni, B.Eng., MD, FRCP(C)
(Respirology and Internal Medicine) clinical fellows
Dr. Muslim Al-Saadi, Dr. Anne-Marie Canakis, Dr.
Alastair Reid, Dr. Sharon Dell

publications

ation and genomic organization of the human amiloride-sensitive
epithelial sodium channel alpha subunit gene. Pediatric Research:

Coates AL: Editorial – Classical Respiratory Physiology – Gone the way
of the dinosaurs? Do we need a Jurassic Park? Pediatric

Coates AL, MacNeil CF, Allen PD, Lands LC: Do sinusoidal models
of respiration accurately reflect the respiratory events of patients
breathing on nebulizers. Journal of Aerosol Medicine: July 1999: 12:
pp 265-273.

Crapo RO, Casaburi R, Coates AL, Enright PL, Hankinson JL, Irvin
CG, MacIntyre NR, McKay RI, Wanger JK, Anderson SD,
Cockcroft DW, Fish JE, Steck PJ: ATS Guidelines for
Methacholine and exercise challenge testing. American Journal of
Respiratory and Critical Care Medicine: January 2000: 161: pp 309-
329.

Ho SL, Coates AL: The effects of dead volume on the calculation of the
actual cost to deliver commonly used medications in cystic fibrosis
with four disposable nebulizers. Canadian Respir Journal: July 1999:
6: pp 253-260.

Majnemer A, Riley P, Shevell M, Birnbaum R, Greenstone MA, Coates
AL: Severe bronchopulmonary dysplasia increases risk for later neu-
rologic and motor sequelae in preterm survivors. Developmental

Matalon S, O’Brodovich H: Sodium channels in alveolar epithelial cells:
Molecular characterization, biophysical properties, and physiological
significance. Annual Review of Physiology: July 1999: 61: pp 627-
661.

O’Brodovich H, Plein rs Y, Walker N: Peer reviewed career development
and compensation program for physicians in an academic health sci-
cence center. Annals of the Royal College of Physicians and Surgeons

Otulakowski G, Rafii B, Brenner HR, O’Brodovich H: Structure and
hormone responsiveness of the gene encoding the α-subunit of the
rat amiloride-sensitive epithelial sodium channel. American Journal of
Respiratory Cell and Molecular Biology: July 1999: 20: pp 1028-
1040.

Rafii B, Coutinho C, Otulakowski G, O’Brodovich H: Oxyn induc-
tion of epithelial Na+ transport in fetal distal lung epithelia requires
home proteins. American Journal of Physiology: January 2000: 278:
pp L399-L406.

Schuh S, Reisman JJ, Alshehri M, Supais A, Corey M, Arseneault R,
Alothman G, Tensis O, Caney R: A Comparison of inhaled flutica-
sone and oral prednisone for children with severe acute asthma. New

Smith DE, Otulakowski G, Yeger H, Post M, Cutz E, O’Brodovich H:
Epithelial Na+ Channel (ENaC) Expression in the developing nor-
mal and abnormal human perinatal lung. American Journal of
Respiratory and Critical Care Medicine: January 2000: 161: pp
1322-1331.

Subbarao P, Brannan J, Ho B, Anderson SD, Chan HK, Coates AL:
Inhaled mannitol identifies methacholine responsive children with
current asthma. Pediatric Pulmonology: January 2000: 29: pp 291-
298.

Weiss ST, Van Natta ML, Zeiger RS for the Childhood Asthma
Management Program Research Group (Reisman JJ member):
Relationship between increased airway responsiveness and asthma
severity in the childhood asthma management program. American
Journal of Respiratory and Critical Care Medicine: June 2000: 162:
pp 50-56.

Zhang C, Sweezey NB, Gagnon S, Muskat B, Koehler D, Post M,
Kaplan F: A novel karyopherin homolog is developmentally and
hormonally regulated in fetal lung. American Journal of Respiratory

books and chapters in books

Rafii B, Tanswell AK, Pitkanan O, O’Brodovich H: Physiologic increase
in oxygen concentration augments Na absorption in fetal distal lung
epithelial cells. In: Chapter 14 – The Physiology & Functional
Diversity of Amiloride-Sensitive Na+ Channels: A New Gene
Superfamily. Current Topics in Membranes (Benos D, ed).
research and investigations

Research Institute, HSC – Seed Grant
Can cardiopulmonary exercise testing with impedance cardiography identify optimal interventions in children with congenital heart disease? *Coates AL*
current year $17,802 term 2000 – 2002

National Institute of Health National Heart, Lung and Blood Institute
Cost reimbursement contract grant N01-HR-16047; Hospital for Sick Children Clinical Center for study of a childhood asthma management program (CAMP) (US Funds). *Reisman J, MacLusky IB (Co-Investigator – July 1997)*
current year $366,646 term 1991 – 1999

Canadian Cystic Fibrosis Foundation
Does physical activity make a difference to lung health in cystic fibrosis? *Coates AL*
current year $49,914 term 2000 – 2003

Medical Research Council of Canada
Effect of heparin derivatives on thrombin regulation by the fetal lung surface. *Chan A, O'Brodovich H, Andrew M*
current year $69,000 term 1999 – 2001

MRC/PMAC (Glaxo Wellcome)
Efficacy of Inhaled Fluticasone vs. Oral Prednisone in Acute Childhood Asthma. *Schub S, Reisman JJ*
current year $52,000 term 1998 – 1999

MRC/PMAC Health Program
Efficacy of oral Dexamethasone in outpatients with Acute Bronchiolitis. *Schub S, Coates AL (Co-investigator)*
current year $7,161 term 1998 – 2001

Canadian Institutes of Health Research (formerly MRC Canada)
Functional analyses of two novel developmentally regulated genes in fetal lung. *F. Kaplan (P.I.), Sweezey NB, (co-investigator)*
current year $114,138 term 2000 – 2003

Canadian Cystic Fibrosis Foundation
Gender hormone modulation of ENaC, CFTR, and ion transport in human airway epithelium. *Sweezey NB*
current year $69,390 term 1997 – 2000

Canadian Cystic Fibrosis Foundation
Gender hormone modulation of the CF lung phenotype. *Sweezey NB*
current year $71,900 term 2000 – 2003

Canadian Institutes of Health Research (formerly MRC Canada)
Glucocorticoid receptor and glucocorticoid-responsive genes in developing lung. *Sweezey NB*
current year $91,180 term 2000 – 2003

MRC 25046
Regulation of lung epithelial Na channel expression. *O'Brodovich H, Otulakowski (Co-Principal Investigator)*
current year $34,010 term 1999 – 2004

Medical Research Council of Canada (MRC Group Grant in Lung Development)
Regulation of lung epithelial Na channel expression. *O'Brodovich H, Otulakowski G (Co-P.I.)*
current year $86,295 term 1999 – 2004

Canadian Cystic Fibrosis Foundation
Safe, predictable, efficient delivery of inhaled antibiotics. *Coates AL*
current year $54,103 term 1999 – 2001

Ontario Thoracic Society Grant-in-Aid
Sodium channel expression in developing human lung. *Otulakowski G, O'Brodovich H (Co-Principal Investigator)*
current year $29,000 term 2000 – 2001

Hospital for Sick Children 2000 Seed Grant Competition
current year $6,574 term 2000 – 2001
rheumatology

faculty Patricia C Parkin, MD (Head), Tara T. Baron, MD, Stacey E Bernstein, MD, Victoria J. Davis, MD, Paul T Dick, MDCM, Jeremy N Friedman, MBChB, Beth Gamulka, MDCM, Marvin H Gans, MD, Alan Goldbloom, MDCM, Saul Greenberg, MD, Robert I Hilliard, MD, Dirk W Huyer, MD, Moshe M Ipp, MBCh, Sheila J Jacobson, MBCh, Bernice R Krafchik, MBChB, Sanjay Mahant, MD, Marcellina Mian, MDCM, Michael Peer, MD, Marina Salvadori, MD, Norman R Saunders, MD, Michelle K. M. Shouldice, MD, Susan E Tallett, MBBS, Teresa To, PhD, Michael Weinstein, MD, Nancy L Young, PhD part-time Lisa Allen, MD, Crawford Anglin, MD, Tony Barozzino, MD, Glenn Berall, MD, Alan Berzen, MBCh, Lionel Boxall, MBBS, Michael Braudo, MBChB, Nicolette Caccia, MD, Bonnie Cameron, MD, Andrew Chlebus, MD, Carlos Contreras, MD, Susan Coombs, MD, William Davidson, MD, Till Davy, MD, Gordon Donsky, MD, Michael Dorey, MD, Katy Driver, MBBS, Andrew Duic, MD, Anthony Duke, MD, Thomas Egan, MD, Robert Farber, MD, Michelle Farine, MD, Hyder Fazal, MD, Darcy Fehlings, MD, Mark Feldman, MD, William Feldman, MDCM, Leona Fishman, MD, Adelaide Fleming, MD, Ralph Folman, MD, John Freedman, MD, Lee Ann Gallant, MD, Hartley Garfield, MD, Colin Geft, MBChB, Rose Geist, MD, Sabine George, MD, Milton Gold, MD, Morton Goldbach, MD, Leslie Goodis, MD, Stuart Gordner, MD, Manuel Greenberg, MD, Katerina Haka-Ikse, MD, Richard Hamat, MD, William Hanley, MD, William Hawke, MD, James Hilton, MD, Anthony Hui, MD, Nicole Inch, MD, Jaya Islur, MBBS, Walter James, MD, Anna Jarvis, MBBS, Ross Johnson, MD, Shahida Khan, MBBS, Ian Kitai, MD, Luba Komar, MD, Beverley Kupfert, MD, Howard Langer, MD, Bernard, Laski, MD, Bernard Laytner, MD, Cinda Lee, MD, John Lee, MD, Eun Lee-Hong, MD, Michael Lester, MD, Leo Levin, MD, Peter Lewin, CDMD, Patricia Linders, MD, Martin Lindzon, MD, John Lovering, MD, Mary MacDonald, MD, Gerard MacGillivray, MD, David Maresky, MBChB, Aubrey Maze, MBChB, Gilbert Miller, MD, Janette Milne, MD, Golda Milo-Manson, MD, William Mounstephen, MD, Paul Munk, MD, Joan Murphy, MD, John D. Murray, MD, Jack Newman, MD, Raymond Ng, MD, Eleazar Noriega, MD, Ricardo Olivares, MD, Larry Pancer, MD, Evangelia Papadouris, MBChB, Jocelyne Parent, MD, Joseph Porepa, MD, Percy Rajchgot, MD, Colin Ramsay, MD, Anne Richards, MBBS, Knox Ritchie, MBCh, Wendy Roberts, MD, Jay Rosenfield, MD, Antonina Saksznajder, MD, Susan Schneeweiss, MD, Suzana Schuh, MD, Clive Schwartz, MBChB, Michael Sgro, MD, Chandrakant Shah, MD, David Shaw, MD, Pryma Skowron, MD, Elspeth Sladen, MBBS, Janet Star, MD, Donald Stewart, MD, Peter Strachan, MD, Heshy Sturm, MD, Robert Sutton, MBBS, Joseph Telch, MD,
publications


books and chapters in books


Laxer RM: Juvenile ankylosing spondylitis and seronegative spondyloarthropathy. In: Ambulatory Pediatrics (Stockman JA, ed): 2000:


**research and investigations**

**CIHR**
Characterization of ICA69, A major new beta-cell protein with unknown function. *Dosch H-M*
current year $168,912 term 1999 – 2002

Paediatric Consultants
Clinical relevance of functional measures in children with juvenile arthritis and other musculoskeletal disability. *Feldman BM, Dempster H, Porepa M*
current year $1,070 term 1999 – 2000

**MRC/PMAC Health Program**
current year $125,000 term 1999 – 2002

**CIHR**
Development and regulation of human immune responsiveness. *Dosch H-M*
current year $551,000 term 1994 – 1999

Juvenile Diabetes Foundation Int'l
Development of NOD mouse embryonal stem cell: A resource development program. *Dosch HM, Ellis J, Nagy A U.S.*
current year $450,000 term 1998 – 2001

Bayer Institute on Health Care Communication
Easing the burden of end-of-life decision making: Learning from the experiences of parents. *Antle BJ, Cottingham D, Ghelani K, Gorman E, Harrison Carol, Harrison Christinne (co-investigator), Martin M, Rutka J*
current year $20,000 term 2000

Immunex Corporation
Efficacy of soluble TNFR in JRA. *Silverman ED*
current year $90,000 term 1997 – 2001

Associated Medical Services
current year $15,000 term 2000

Canadian Diabetes Association
Estimation of diabetes disease risk through surrogate markers. *Dosch H-M*
current year $180,000 term 1999 – 2002

Hospital for Sick Children Research Institute
Hospital for Sick Children Research Institute Computer Equipment Competition. *Yeung RSM*
current year $2,400 term 1999

Medical Research Council
Investigation of congenital heart block using animal models. *Silverman ED (Co-Principal Investigator)*
current year $76,554 term 1998 – 2001

The Arthritis Society (Canada)
Junior Research Scholar. *Yeung RSM*
current year $45,000 term 1997 – 2001

Hoechst Mario Roussel
Leflunomide in JRA. *Silverman ED, Feldman BM, Laxer RM, Schneider R, Spiegel L*
current year $65,000 term 1998 – 2000

March of Dimes Birth Defects Foundation
current year $66,152 term 1998 – 2000

**CIHR**
Molecular mechanisms in diabetic autoimmunity. *Dosch H-M*
current year $301,011 term 1998 – 2001

Medical Research Council of Canada
Neurocognitive development in the offspring of women with systemic lupus erythematosus. *Silverman ED (Co-Investigator)*
current year $96,000 term 1999 – 2001

Arthritis Society
Pilot study of fitness training and exercise testing in polyarticular childhood arthritis. *Feldman BM, Wright V, Bar-Or, O*
current year $14,000 term 1997 – 2000

Medical Research Council of Canada
Pre-trial development phase of the Canadian trial branch (TRIGR), diabetes prevention trial symposia. *Dosch H-M*
current year $5,000 term 1999 – 2000

National Institutes for Health
current year $1,500,000 US Funds term 1993 – 1999

University of Toronto Connaught Grant
The Role of Superantigens in Autoimmunity. *Yeung RSM*
current year $15,000 term 1998 – 2000

The Arthritis Society (Canada)
The Role of Superantigens in Autoimmunity. Yeung RSM

current year $60,000 term 1997 – 2000

The Hospital for Sick Children, Paediatric Consultants
The Role of Transforming Growth Factor β-1 in Chronic Recurrent Multifocal Osteomyelitis. Yeung RSM

current year $5,000 term 1999 – 2000

Paediatric Consultants
Using the private office as a site for preclerkship clinical skills training in paediatrics: A prospective pilot study. Schneider R, Jacobson S, Lingard L

current year $5,000 term 2000

Medical Research Council
Warfarin prophylaxis in SLE patients with antiphospholipid antibodies. Silverman ED (Co-Investigator)

current year $165,000 term 1997 – 2001

Associated Medical Services

current year $15,000 term 1999
interdivisional colleagues

publications


books and chapters in books


Stevens B, Ohlsson A: The efficacy of sucrrose to reduce procedural pain (from heel lance, venepuncture or immunization) in neonates as assessed by physiologic and/or behavioral outcome. In: Neonatal Modules of the Cochrane Data Base of Systematic Reviews, (Updated February, 1999) Available in the Cochrane Library (Data base on disk and CD ROM) Oxford: Update Software (Sinclair JC, Bracken MB, Soll RS, Horbar JD, eds). The Cochrane Collaboration; Issue 2, Oxford: 1999:

research and investigations

The Canadian Institute of Health Research (CIHR) Opportunity Program

The Canadian Pain Research Diagnosis and Management Network (42 members from across Canada)

current year $50,000 term 1999 – 2000

WSIB

current year $46,255 term 1999 – 2001

Hospital for Sick Children Foundation

current year $64,761 term 1999 – 2001

National Institutes of Health

Discourse and academic skills in children with spina bifida. PI for project 5 of program project “Spina bifida: Cognitive and neurobiological variability”. Fletcher JM, Barnes MA, Dennis M, Fletcher JM, Brandt ME, Kramer LA, Blaser S (U.S.)
The Hospital for Sick Children, 1999 Seed Grant Competition for Patient-Based Research


current year $57,191 term 1998 – 2003

The Hospital for Sick Children, 1999 Seed Grant Competition for Patient-Based Research


current year $14,962 term 1999 – 2000

Health Canada, Health Transition Fund


current year $33,500 term 1999 – 2001

HSC Foundation, Physicians Services Inc. & Ontario Neurotrauma Foundation


current year $144,000 term 1998 – 2000

Heart and Stroke Foundation of Canada


National Institutes of Health

Longitudinal effects of spina bifida on early learning. Site PI for Project 2 of program project “Spina bifida: Cognitive and neurobiological variability”. Fletcher JM, Landry SH, Barnes MA (U.S.)


American Nurses Foundation

Maternal hands and knees position and labor: the PAL trial. Stremler R, Hodnett E, Stevens B, Hannah M


Ontario Mental Health Foundation.

Math Processing after early hydrocephalus. Barnes MA, Dennis M, Hetherington CR

current year $49,150 term 1997 – 1999

National Institutes of Health


current year $135,000 term 1998 – 2003

American Nurses Foundation

Maternal hands and knees position and labor: the PAL trial. Stremler R, Hodnett E, Stevens B, Hannah M

current year $7,493 term 1999 – 2000
Spence D, Weaver L

current year $204,703 term 1999 – 2001

Health Transition Fund, Health Canada
Tele-Homecare: Multi-Site Canadian Modeling Component.
Dick P, Young N, McKeever P, To T, Booth M, Coyte P, Filler R,
Stevens B, Daub S, Reisman J, Spence D, Weaver L

current year $87,240 term 1999 – 2000

Health Transition Fund, Health Canada
The cost effectiveness of home versus hospital management of
feeding difficulties in preterm infants. Stevens B (PI), McKeever
P (Co-PI), Coyte P

current year $27,500 term 1999 – 2001

Hospital for Sick Children Foundation
The cost effectiveness of home versus hospital management of
feeding difficulties in term infants. Stevens B (PI), McKeever P
(extended) (Co-PI), Coyte P

current year $15,000 term 1999 – 2001

Health Canada
The determinants of research utilization in an acute clinical set-
Stevens B, O’Brien-Pallas L, Donner G, Williams J

current year $68228 and AGFAR,

current year $95,000 term 1999 – 2002

current year $163,228

The Hospital for Sick Children, 1999 Seed Grant Competition
for Patient-Based Research
The safety and efficacy of sucrose for procedural pain in infants.
Gibbins S, Stevens B (PhD supervisor), Hodnett E, Obluson A,
Pinelli J

current year $17,360 term 1999 – 2000
1999-2000 paediatric housestaff

chief residents:
Amanda Barclay, MD McMaster University
Sharon Carson, MD University of Toronto

associate chief residents:
Mohamed Ashur MBBS, Al Fateh University, Libya
Bert Cellupica MD, Queen’s University
Mijin Cho MD, University of Western Ontario
Judy Donsky MD, University of Toronto
Stephen Freedman MD, McGill University
Eddy Lau MD, Queen’s University
Aaron Lindzon MD, Queen’s University
Trent Mizzi MD, University of Calgary
Sean Murray MD, University of Toronto
Elena Pope MD, University of Bucharest
Catherine Taylor MD, University of Toronto
Lana Weaver MD, University of Toronto
Miriam Weinstein MD, University of Toronto

postgraduate year 3
Jason Berman MD, University of Toronto
Catherine Birken MD, University of Toronto
Doug Campbell MD, University of Calgary
Lionel Chow MD, McGill University
Michelle Gordon MD, University of Toronto
Joanne Harrold MD, McMaster University
Sherri Katz MD, McGill University
Anne Kawamura MD, University of Toronto
Sanjay Mehta MD, University of Calgary
Carole O’Beirne MD, University of Toronto
Amy Ornstein MD, McGill University
Rachel Pearl MD, University of Toronto
Jodi Rosner MD, McMaster University
Suzanne Ross MD, Queen’s University

postgraduate year 2
Marilyn Abraham MD, University of Toronto
Carolyn Beck MD, Queen’s University
Sam Cammisuli MD, University of Toronto
Rachel Dayan MD, University of Toronto
Sonny Dhanani MD, University of British Columbia
Brian Hershfield MD, McGill University
Elizabeth Jimenez MD, University of Toronto
Jill Lipes MD, McGill University
Elyanne Ratcliffe MD, McMaster University
Sarithri Ratnapalan MD, University of Colombo, India
Maggie Shu MBBS, University of Hong Kong
Ben Sivarajan MD, University of Toronto
MacGregor Steele MD, University of Ottawa
Maria Triassi MD, University of Toronto
Valerie Waters MD, McGill University

postgraduate year 1
Dr. Nessa Bayer MD, University of Toronto
Dr. Tiscar Cavalle-Garrido MD, University of Valencia, Spain
Dr. Adam Cheng, MD, University of Toronto
Dr. Melanie Henderson MD, McGill University
Dr. Lani Lieberman MD, University of Toronto
Dr. Ariva Lowe MD, McGill University
Dr. Shannon McPhee MD, Dalhousie University
Dr. Chelsea Ruth MD, University of Manitoba
Dr. Abdullah Shamsah MB,BCh, National University of Ireland
Dr. Trenna Sutcliffe MD, McMaster University
Dr. Leah Tattum MD, Northwestern University, Chicago
Dr. Carolyn Taylor MD, University of Toronto
Dr. Brent Williams MD,
Teaching awards

Harry Bain Award to a full-time member of the Department of Paediatrics who demonstrates excellence in teaching as nominated by core paediatric residents.

   Dr. Michelle Shouldice, Paediatric Medicine

Marvin Gerstein Award to a part-time member of the Department of Paediatrics who demonstrates excellence in teaching as nominated by core paediatric residents.

   Dr. Michael Peer

Ondaatje Award to a senior resident for excellence in clinical teaching as nominated by core paediatric residents.

   Dr. Sharon Carson, PGY4, Chief Resident

PeRLS Awards (Paediatric Educational Resident Lecture Series Award) to faculty members who have demonstrated commitment to excellence in teaching at the Paediatric academic sessions.

   Dr. Adelle Atkinson, Immunology-Allergy
   Dr. David Malkin, Haematology-Oncology

Clinical award

The Saunders Prize to a senior resident who has demonstrated excellence in clinical paediatrics.

   Dr. Anne Kawamura and Dr. Lionel Chow

Research awards

Frederick FitzGerald Tisdall Awards for excellence in resident research.

   General Paediatric Section
   1st Place: Dr. Sue Stock, PGY3
   2nd Place tie: Dr. Marilyn Abraham, PGY2 and Dr. Valerie Waters, PGY2

   Paediatric Subspecialty Section
   1st Place: Dr. Ian Thornley, Haematology-Oncology
   2nd Place Dr. Silviu Grisaru, Nephrology

   Poster Prize: Dr. Jacqueline Curtis, Endocrinology
   Dr. Christopher Tomlinson, Neonatal-Perinatal Medicine