



**The University of British Columbia**

**DEPARTMENT OF PSYCHIATRY  
FACULTY OF MEDICINE**

**ANNUAL REPORT  
January 2002 – June 2003**



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## *Mission Statement*

*The Department of Psychiatry, Faculty of Medicine, UBC, is an academic department dedicated to the advancement and dissemination of knowledge pertaining to mental disorders, through the provision of exemplary clinical care, teaching, and research.*

*The department promotes excellence in patient care and in the provision of mental health services through its affiliated clinical programmes.*

*The department is committed to providing leadership in the field of mental health in the province of British Columbia*

*The department is dedicated to compassionate and ethical behaviour in patient care, teaching, and research.*

*The department actively fosters cooperative and collegial relationships amongst its members.*





## Head's Letter

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Dear Colleagues, Students and Staff,

I am pleased to present you with the 2002-2003 Annual Report of the Department. During this period of time we have together undertaken a number of successful initiatives, some of which such as our Strategic Planning and fund raising campaigning and our application for a Leadership Chair in Depression Research will come to full fruition in the next academic year. In the meantime, we have continued to make significant contributions to the undergraduate program of the Faculty of Medicine, the training of the next generation of psychiatrists and the graduate programme in neuroscience. We have also substantially increased our strength in research and increased our research funding by more than 50% between 2001-02 and 2002-03! I have highlighted below some of your accomplishments for this past academic year.

### **Research**

#### **Salary Awards**

The Department's success in the CRC, CIHR and MSFHR salary award competitions was indeed outstanding. Dr. Brian MacVicar was awarded a Tier I Canada Research Chair and Distinguished Scholar award by the MSFHR. Dr. Lynn Raymond also of the Division of Basic Neuroscience was the recipient of CIHR Scientist and MSFHR Senior Scholar awards. Dr. John Ogrodniczuk, Division of Behavioural Science, received a New Investigator award from CIHR and Dr. Tania Lecomte, Division of Clinical Neuroscience a Scholar award from MSFHR. Last but not least Drs. Sophie Imbeault, Aline Stephan and Richard Swayze, Division of Basic Neuroscience and Paul Waraich, Division of Mental Health Policy & Services, were the recipients of trainee awards from MSFHR.

#### **Grants**

Drs. Raymond Lam and Cai Song were successful in the September 2002 CIHR and were awarded nearly \$300,000 in operating funds to study seasonality, depression and immune function.

Dr. Pat McGeer was awarded by CIHR nearly \$200,000 for the purpose of identifying amino-acid protective sequences against complement attack.

Dr. Elliot Goldner (Division of Mental Health Services & Policy) led a team of investigators and other health professionals from around the country, including UBC to a successful CIHR Strategic Training Initiative in Health Research grant application. They received 1.8 million over a six year period towards "building capacity in mental health and addictions services and policy."

Dr. Brian MacVicar (Division of (Basic) Neuroscience) led a team of investigators including three from this Department to a successful CIHR group grant application. They received a \$1.2M to study synaptic function and plasticity over the next five years.

Dr. Josie Geller (Division of Behavioural Science) received from CIHR \$70,000 to develop and validate, over an eighteen month period, an “empirically sound measure of readiness and motivation for HAART (Highly Active Anti Retroviral Treatment) in patients with HIV.

Dr. Todd Woodward (Division of Clinical Neuroscience) received from CIHR 64,000 for one year to pursue his functional neuroimaging studies of the hippocampo-prefrontal neural system in schizophrenia.

### **Other Awards and Distinctions**

Dr. Michael Myers was the 2002 recipient of the Douglas Utting Award. This prize is awarded annually by the Sir Mortimer B. Davis - Jewish General Hospital, an affiliate of McGill University, to an individual working in Canada, who has made a significant contribution to the understanding of depression and its treatment. Dr. Raymond Lam was the recipient for the year 2001 which was the inaugural year for this award.

Drs. Kamal Rungta and Kris Sivertz were awarded the 2002 Residents’ Advocate award by PAR-BC in recognition of their contributions during their tenure as co-directors of the postgraduate program of the Department.

Dr. Shimi Kang (PGY5) was awarded the Ruth Fox Memorial Award by the American Society of Addiction Medicine and The Women Leaders in Psychiatry Award cosponsored by the American Psychiatric Association and Aventis.

Dr. William Piper was the recipient of the Distinguished Fellow Award at the Annual meeting of the American Group Psychotherapy for his career contributions to the field of group psychotherapy.

Dr. Raymond Lam (Division of Clinical Neuroscience) was the year’s recipient of the Scientific Achievement Award which is awarded annually by the Medical/Dental and Allied Staff of Vancouver Acute Health Service Delivery Area.

Dr. William Maurice (Division of Adult Psychiatry) has assumed the Presidency of the Society for Sex Therapy and Research, an international organization with membership representing various health science disciplines.

Dr. Chunilal Roy (Clinical Professor Emeritus) was nominated by the French President Jacques Chirac “au grade de Chevalier de l’Ordre de la Legion d’honneur.”

### **Annual Research Day**

The Annual Research Day organized by Dr. W. Honer took place on April 10<sup>th</sup>. The keynote address was provided by Professor Trevor W. Robbins, Chair of Experimental Psychology at Cambridge (UK). There were fourteen oral presentations and fourteen posters by students, residents and fellows. Dr. Erin Michalak and Andy Shih were the winners for best oral presentation in Clinical and Basic Science and Vina Goghari and Bo Li for best poster in Clinical and Basic Science respectively.

### **Residents' Graduation Dinner**

The 2002 graduation dinner was held at the Pan Pacific Hotel on June 14th and was well attended by both residents and faculty. Dr. Jon Fleming, Director, Postgraduate Education, introduced the graduating residents and presented the certificates. The 2002 graduates are: Drs. Tricia Bowering, Andrea Chapman, Diane Fredrikson, Andrew Howard, Shimi Kang, Siobhan McLachlan, Megan Sherwood, Astrid Vik and Leslie Wicholas. Dr. Shimi Kang received the George Davidson Research Award and Dr. Astrid Vik an honourable mention.

### **Department of Psychiatry Annual Clinical Day**

The 2<sup>nd</sup> Annual Clinical Day (2002) was held on June 13 and was cosponsored by the Division of Continuing Medical Education of the Faculty of Medicine. The venue was UBC at Robson Square. As before it was successfully organized by Dr. Harry Karlinsky, Director, Continuing Medical Education, Department of Psychiatry, assisted by a Course Planning Committee representing the various teaching hospitals affiliated with the Department. This endeavour which targets community based GPs, Family Physicians, Psychiatrists and Mental Health Professionals as well as Faculty and Residents was attended by 171 registrants. The keynote address "Confronting Ethical Dilemmas in a Changing World" was delivered by Dr. Roy O'Shaughnessy (Division of Forensic Psychiatry). The Program included a number of small group workshops on a variety of topics and a panel presentation on sexual problems all led by members of the Department.

### **Administrative appointments**

Dr. Mark Levy was appointed Head, Division of Adult Psychiatry. Dr. Rosemary Basson was appointed Director, Sexual Medicine Program, Division of Adult Psychiatry, replacing Dr. Ron Stevenson, who recently completed a successful five year term. Dr. Laird Birmingham was appointed Director of the Eating Disorders Program, Division of Behavioural Science. Dr. Peter McLean was appointed Director of the Anxiety Disorders Program, Division of Behavioural Science.

Dr. Shaila Misri was appointed Director of the newly approved Reproductive Mental Health Program, Division of Adult Psychiatry.

Dr. Auby Axler was appointed Associate Director (Training) of the Psychotherapy Program, Division of Behavioural Science.

I would like to once again thank you for your contributions and wish you continued success.

Finally, I would like to acknowledge the editorial efforts of Ms. Karen Ng and Mrs. Kusuma Chaganti in the preparation of this report.

*Athanasios P. Zis*  
*Professor and Head*



## Departmental Organization

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<b>Department Head:</b>	<b>Dr. Athanasios P. Zis</b>
<b>Associate Head Education:</b>	<b>Dr. Jonathan Fleming</b>
<b>Associate Head Clinical (Adult):</b>	Vacant
<b>Associate Head Clinical (Child &amp; Adolescent):</b>	<b>Dr. Derryck Smith</b>

### Divisions & Programs

<b>1. Adult Psychiatry</b>	<b>Head</b>	<b>Dr. Mark Levy</b>
Programs: Cross Cultural Psychiatry	Director	Dr. S. Ganesan
Sexual Medicine	Director	Dr. R. Basson
Reproductive Mental Health	Director	Dr. S. Misri
<b>2. (Basic) Neuroscience</b>	<b>Head</b>	<b>Dr. S. Vincent</b>
<b>3. Behavioural Science</b>	<b>Head</b>	<b>Dr. W. Piper</b>
Programs: Anxiety Disorders	Director	Dr. P. McLean
Eating Disorders	Director	Dr. L. Birmingham
Psychotherapy	Director	Dr. W. Piper
<b>4. Child &amp; Adolescent Psychiatry</b>	<b>Head</b>	<b>Dr. D. Smith</b>
<b>5. Clinical Neuroscience</b>	<b>Head</b>	<b>Dr. R. Lam</b>
Programs: Mood Disorders	Director	Dr. R. Lam
Neuropsychiatry	Director	Dr. T. Hurwitz
Schizophrenia	Director	Dr. W. MacEwan
<b>6. Forensic Psychiatry</b>	<b>Head</b>	<b>Dr. R. O'Shaughnessy</b>
<b>7. Geriatric Psychiatry</b>	<b>Head</b>	<b>Dr. M. Donnelly</b>
<b>8. Mental Health Policy &amp; Services</b>	<b>Head</b>	<b>Dr. E. Goldner</b>
Program: MHECCU	Director	Dr. E. Goldner

## **Education**

**Undergraduate**

**Director**

**Dr. Elliot Goldner**

**Postgraduate**

**Director**

**Dr. Jonathan Fleming**

**Continuing Medical Education**

**Director**

**Dr. Harry Karlinsky**

## **Advisory Committee**

**Chair : Dr. Athanasios P. Zis**

Dr. Rosemary Basson

Dr. Laird Birmingham

Dr. Martha Donnelly

Dr. Jonathan Fleming

Dr. Soma Ganesan

Dr. Elliot Goldner

Dr. Valerie Gruson

Dr. Trevor Hurwitz

Dr. Emlene Murphy

Dr. Harry Karlinsky

Dr. Raymond Lam

Dr. Mark Levy

Dr. William MacEwan

Dr. Peter McLean

Dr. Shaila Misri

Dr. Roy O'Shaughnessy

Dr. William Piper

Dr. Kristin Sivertz

Dr. Derryck Smith

Dr. Steven Vincent

Dr. Sheldon Zipursky

Ms. Linda Kompauer

# Divisions & Programs





## Division of Adult Psychiatry

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**Head:** Dr. Mark Levy  
Clinical Assistant Professor



### Programs:

Cross Cultural Psychiatry:	Director Dr. Soma Ganesan, Clinical Professor
Sexual Medicine:	Director Rosemary Basson, Clinical Professor
Reproductive Mental Health:	Director Shaila Misri, Clinical Professor

### Faculty:

#### Professor

Maurice, William

#### Clinical Professor

Basson, Rosemary  
Buchanan, Robert  
Elliott, Stacey  
Ganesan, Soma  
Kalda, Riho  
Karlinsky, Harry  
Misri, Shaila  
Myers, Michael  
Sivertz, Kristin  
Waring, Ted  
Zipursky, Sheldon

#### Clinical Associate Professor

Anderson, Stephen  
Bartok, Katalina  
Brasfield, Charles  
Carter, Diana  
Drysdale, Elaine  
Gruson, Valerie  
Hewko, Robert  
Jiwa, Abdulkarim  
Kocapski, Andrezej

O’Kane, Janine  
Robinow, Oliver  
Shick, Roger  
Shore, Resa  
Stevenson, Ron  
Tapper, Mark  
Wong, Allan

#### Clinical Assistant Professor

Burgmann, Allan  
Chapman, Laura  
Fitzpatrick, Stephen  
Friesen, Wesley  
Harris, James  
Kwan, Man Wai  
Levy, Mark  
Lisiak, Elena  
Madhani, Kurban  
McWatters, Dorothy  
Persaud, Rainer  
Pullmer, Lewis  
Raina, Raj  
Schertzer, Stephen  
Singh, Kulbir  
Whelan, John  
Wiseman, Stephen  
Zoffman, Elizabeth

#### Clinical Instructor

Broadway, Lauren  
Campbell, Paula  
Chernick, Grant  
Emes, Craig  
Fahy, Melissa  
Gehring, Darlynn  
Grabavoc, Andrea  
Hutnyk, David  
Isomura, Theresa  
Khanbhai, Irfan  
Knudson, Gail  
Levin, Alexander  
Lu, Shao Hua  
Schaffer, Nathan  
Schwartz, Deborah  
Richford, Carole  
Risling, Eva  
Robertson, Heather  
Ryan, Deidre  
Taylor, Christine  
Vincent, Merville  
Ward, David  
Wong, Angela  
Wrixon, Katherine  
Yaxley, David  
Young, Kay

## **Overview**

The Division of Adult Psychiatry was added to the Department of Psychiatry organizational structure last year. Dr. J. Mark Levy was appointed head of the Division. There are approximately eighty five members who have either a primary or secondary affiliation to the Division. The clinicians who serve under the umbrella of Adult Division provide clinical care to adults experiencing a wide variety of problems. They work in a number of clinical situations, practicing inpatient and outpatient psychiatry at various sites including private practice, the Forensic Hospital, Greater Vancouver Mental Health Services, Riverview Hospital, St. Paul's Hospital, Vancouver General Hospital and UBC Health Sciences Centre. In addition to providing general psychiatric care, a number of clinicians have special areas of expertise.

In addition to providing continuing excellence in clinical care and teaching, one of the goals of the Division of Adult Psychiatry is to organize the area of expertise into Programs. When the Division of Adult Psychiatry was formed, there were two existing programs which were included in the Division. These were

1. Cross Cultural Psychiatry
2. Sexual Medicine

In June of this year, Reproductive Psychiatry was formally added to the organization. It is hoped, members of the Division will be organized into additional programs in the future. Potential programs include Emergency Psychiatry and Consultation Liaison Psychiatry. In June interested members of the Division who work clinically in emergency psychiatry met to discuss the initial steps in the development of a Program.

## **Cross Cultural Psychiatry**

### **Overview**

The Cross Cultural Psychiatry Program clinically operates out of the Psychiatry Outpatient Department at the Vancouver General Hospital. It provides culturally sensitive and language specific assessments and treatment. The Program follows patients with anxiety disorders including Post Traumatic Stress Disorder, Mood Disorders and Severe Adjustment Disorders. An important component of the Program is the PTSD Clinic, headed by Dr. Greg Passey with help from Dr. David Yaxley. The Director of the Program is Dr. Soma Ganesan. Other members of the Program include:

Dr. Peter Chan	Dr. Alexander Levin
Dr. Endre Koritar	Dr. Angela Wong
Dr. Hiram Mok	Dr. Kay Young
Dr. Raj Raina	Dr. Jamal Mirmiran
Dr. Kulbir Singh	Dr. Fumitaka Noda
Dr. Allan Wong	

## **Education**

The members of the Cross Cultural Program are involved in educational activities. They teach medical students, social work students and psychology students. Annual lectures are given to the residents of the Department of Psychiatry on their annual training day. Annual lectures are also given to students in the School of Occupational Therapy and the Department of Psychology.

Continuing Medical Education presentations include lectures given at the Department of Psychiatry Clinical Day and at the World Congress of Psychiatry. Public presentations have been made in print, on radio and television, as well as the Annual Cross Cultural Conference.

## **Research**

The Program is currently involved in a study of post partum depression in Chinese women.

## **Distinction & Awards**

The Program received a CIHR training grant in Cross Cultural Mental Health. Members are involved with the Canadian Mental Health - BC Division, Board and Drs. of B.C. Ministry, Mental Health Advisory Council. The PTSD Clinic has received an unrestricted grant from Glaxo Smith Kline.

## **Sexual Medicine Program**

### **Overview**

The Sexual Medicine Program is headed by Dr. Rosemary Basson. Other members of the Program are:

Dr. Stacy Elliot	Dr. Kulwant Riar
Dr. Gail Knudson	Dr. Oliver Robinow
Dr. Bill Maurice	Dr. Sidney Thomson

The Program addresses all of the DSMIV Sexual Disorders, but not Gender Identity Disorder. Clinical services include:

- a) Assessment, diagnosis and treatment recommendations
- b) Diagnostic second opinion
- c) Brief therapy
- d) Limited long term therapy
- e) Consultation to physicians and hospital based programs

The members of the Program are an internationally recognized, multidisciplinary group of subspecialty clinicians and researchers, able to provide biopsychosocial assessments and treatments for sexual problems of patients throughout British Columbia.

## **Education**

The physicians of the Program are all involved in teaching of the Undergraduate, Post graduate and Fellowship levels as well as in Continuing Medical Education for community physicians.

## **Research**

The Program is active in various research projects related to human sexual function. In the last two years over \$900,000 has been brought as Research Grants.

## **Distinctions and Awards**

Physicians in the Program serve on a number of professional and industry sponsored advisory boards at local, national and international levels. The British Columbia Medical Associations Council on Men's Health has three consultants from the Program. Two consultants from the group sit on the Canadian Men's Sexual Health Council. Members of the Program serve on the boards of Pfizer, Lily/ICOS and Bayer/GSK. Three major pharmaceutical companies engaged in the research and the development of new medications for sexual problems. Importantly, Dr. Rosemary Basson serves as the Co-chair of the International Advisory Committee undertaking reformulation of the DSM IV categories of Female Sexual Dysfunction and is also the Vice Chair of the 2003 WHO affiliated International Consultation on Erectile and Sexual Dysfunctions Conference in Paris.

## **Reproductive Mental Health**

### **Overview**

The Women's Reproductive Mental Health Program was given program status within the Adult Division Department of Psychiatry in June of 2003. Clinically, the Program has been operational since 1993. It currently operates out of B.C. Women's Hospital and St. Paul's Hospital. The target patient population is women experiencing mental health problems during their reproductive years. The primary problems which are focused upon include postpartum psychosis, antepartum and postpartum depression, severe perimenopausal syndromes, menopausal problems, infertility and progerinary issues. The Co-directors of the Program are Dr. Shaila Misri and Dr. Diana Carter. Other members of the Program are:

Dr. Maria Corral  
Dr. Deidre Ryan

Dr. Shimi Kang  
Dr. Jackie Hui

### **Teaching**

The Women's Reproductive Mental Health Program is actively involved in the teaching of medical students, psychiatry residents and family practice residents. An important goal of the Program is to educate physicians and communities so they will be able to provide support and treatment for women in their own communities. The Program provides talks, presentations, workshops, public forums, conference presentations and media presentations at hospitals and in the community.

**Research**

The Program has a history of being actively involved in research activities and plans to maintain their position as a significant contribution to the expanding knowledge base on reproductive mental health in the future.

**Distinctions**

The Reproductive Mental Health Program has developed a tool, Reproductive Mental Health Best Practice Guidelines Manual, which is an aid to practitioners throughout the Province.

In summary the members of the Adult Division, Department of Psychiatry, UBC have a variety of special interests. They are united in their dedication to providing excellence in clinical care, teaching others to follow in their footsteps and expanding the knowledge base in psychiatry through research. The goals of the Division are to continue what is already taking place and foster clinical care, teaching and research through the development of additional subspecialty programs.



## Division of (Basic) Neuroscience

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**Head:** Dr. Steven Vincent  
Professor



### Faculty:

#### Professor Emeritus

McGeer, Edith  
McGeer, Patrick

#### Associate Professor

Murphy, Timothy  
Raymond, Lynn

#### Professor

Phillips, Anthony  
Reiner, Peter (on leave)  
Snutch, Terrence (J/A)  
Vincent, Steven

#### Assistant Professor

El-Husseini, Alaa  
Song, Cai  
Song, Weihong

### 1. Objectives:

The goal of the Division of Basic Neuroscience in the Department of Psychiatry is to continue to be the leading group in Neuroscience research and education at U.B.C. The mission of the Laboratory is to understand the basic neurobiological mechanisms underlying normal brain function and neuropsychiatric disease.

### 2. New Developments:

Dr. Vincent led a team of mentors, including Drs. El-Husseini, Honer, Murphy, Phillips, Raymond, Snutch and Weihong Song from our Department, in obtaining a MSHRF-CIHR Strategic Training Grant in Neurobiology and Behaviour. This award of \$300,000 per year for 5 years allows us to recruit top students and fellows for research training in neuroscience.

Dr. El-Husseini was the focus of a documentary on the international satellite TV station, Aljazeera, which highlighted his biography and research achievements. This has generated much interest and excitement from physicians and scientists throughout the

Arab world for the work being done in our Division. He received the CIHR Investigator Award and the MSHRF Scholar Award.

Dr. MacVicar led a team including Drs. Raymond, Murphy and Snutch from our Division, together with Dr. Wang from Neurology, and Dr. Delaney from SFU, who were successful in obtaining funding for a new CIHR Group in Synaptic Function and Plasticity (\$238,000 per year, 2003-2008).

Drs. Edie and Pat McGeer jointly received the Medal of Service from the Dr. Can Coady Foundation in June 2003. They were also inducted into the Royal Society of Canada in November of 2002.

Dr. Murphy was the course director at Cold Spring Harbor Laboratory of the course "Imaging the structure and function of the central nervous system." July 31-August 12th 2002, and July 21-August 11th 2003.

Dr. Phillips was re-appointed Chair of the Institute Advisory Board for the CIHR Institute of Neurosciences, Mental Health and Addiction for an additional three year term. He also serves on the Research Advisory Council of the Michael Smith Foundation for Health Research and on the Grant Review Panel for the Human Frontiers Science Program.

Dr. Raymond held a Scientist Award from the Vancouver Hospital foundation and received the CIHR Investigator Award and the MSHRF Senior Scholar Award in recognition of her research accomplishments. Dr. Raymond was also awarded the Joseph Lieberman Award from the Hereditary Disease Foundation for her work in Huntington's disease.

Dr. Weihong Song was awarded the Canada Research Chair in Alzheimer's Disease, June, 2002. He was also appointed as a Peter Wall Early Career Scholar, 2002-2003.

Dr. Juhn Wada, Professor Emeritus, received the Doctor of Science degree honoris causa, at the Spring Congregation of UBC 2003, to honor his lifetime of work in the treatment and understanding of epilepsy.

### **3. Personnel Changes:**

We have been most fortunate in recruiting Dr. Brian MacVicar to our division. Brian was a Professor at the University of Calgary, and one of the most distinguished neurophysiologists in the country. He was also the director of the Neuroscience Graduate Program at Calgary. Brian was appointed a Canada Research Chair in Synaptic Transmission, in the Division, and arrived on campus in July 2003. His office and laboratory space are in the new Brain Research Centre in Koerner Pavilion. Dr. Peter Reiner continues on a leave of absence until September 2004, to allow him to devote his time as President and CEO of Active Pass Pharmaceuticals.

#### 4. Scholarly and Professional Activities:

**Dr. Steve Vincent** is the head of the Kinsmen Laboratory. He is examining the novel signaling molecule nitric oxide in the nervous system. In particular his lab is examining the mechanisms by which nitric oxide signaling affects neuronal function, and the involvement of this system in inflammation, stroke and the regulation of consciousness. Dr. Vincent's laboratory is supported by grants from the CIHR and a new grant from the Canadian Stroke Network.

**Dr. Alaa El-Husseini** is a CIHR New Investigator and MSFHR Scholar. Dr. El-Husseini's research is focused on elucidating mechanisms that regulate membrane targeting and synaptic clustering of glutamate receptor-associated proteins to the synapse and their role in synapse formation and plasticity. He has received a new CFI/BCKDF/UBC; New Opportunities Grant. Awarded March 2003, amount \$320,000 for the purchase of a state of the art Zeiss LSM 510 META confocal microscope. He was also part of two MSFHR infrastructure grants:

- Fundamental Innovations in Neurodegenerative diseases; (FIND). June 2003-June 2007. Amount \$150,000/yr. Team leader: Dr. M Hayden
- Centre for Complex disorders (CCD). Amount \$150,000/yr. June 2003-June 2007. Principal applicant: Dr. W. Honer

**Dr. Tim Murphy** is a CIHR Scientist. His work on the underlying mechanisms of synaptic transmission involves state of the art imaging and electrophysiological approaches, and has been supported by the CIHR. His lab is also examining the biochemical basis of neuronal death in stroke in work supported by the Heart and Stroke Foundation and the Canadian Stroke Network

**Dr. A.G. Phillips** is a Fellow of the Royal Society of Canada and is internationally known for his work on the dopamine systems of the brain and their role in mediating motivation and its links to drug abuse, he also has contributed to the analysis of multiple memory systems in the brain and the modulation of memory by drugs. His laboratory has pioneered in the study of the neurobiology of brain reward systems and their role in the development of compulsive behaviour including drug addiction. Other animal models of Schizophrenia, depression, Parkinson's disease, and stroke are employed to study the cognitive and emotional correlates of these neuropsychiatric disorders. His work is supported by the CIHR and NSERC.

**Dr. Lynn Raymond** is an outstanding clinician-scientist investigating the structure and modulation of brain receptors for the excitatory neurotransmitter glutamate, and the role of these receptors in neurological disease. She received a new grant from the Hereditary Disease Foundation for her work on excitotoxicity in Huntington's disease (US\$75,000/year, 02-04). She was also a co-investigator on a new CIHR grant with Dr. Baimbridge, and a new infrastructure grant from the MSFHR with Dr. Hayden on Neurodegenerative Disease.

**Dr. Peter Reiner** is President and Chief Executive Officer of Active Pass Pharmaceuticals. The key discoveries made in Dr. Reiner's academic research laboratory in the Division have led to this spin-off company's proprietary strategy for treating Alzheimer's disease.

**Dr. Terry Snutch** is a Professor in the Biotechnology Laboratory and a CIHR Senior Scientist. His lab focuses on the molecular genetic, functional and pharmacological characterization of voltage-gated calcium channels found in the mammalian nervous system. He was appointed to the Advisory Board of the Steacie Institute for Molecular Sciences, Ottawa, and is a member of the IUPHAR Nomenclature Committee: Ion Channel Compendium. He was appointed a director, BIRC Corporation. He was Chair, Calcium Channel Session, Society for Neuroscience Annual Mtg, Orlando, 2002. He is a CIHR Senior Scientist, and received an Alberta Heritage Research Foundation, Visiting Scientist Travel Fellowship. Three new patents were issued:

- US Patent “**Preferentially substituted calcium channel blockers**” (#6,387,897 issued May 14, 2002) Inventors: Terry P. Snutch and Gerald W. Zamponi
- US Patent “**Partially saturated calcium channel blockers**” (#6,492,375 issued Dec. 10, 2002) Inventor: Terry P. Snutch
- US Patent “**Methods to identify compounds that affect the expression level of the syntaxin-1A encoding gene**” (#6,531,288 issued Mar. 11, 2003) Inventors: Terry P. Snutch, John McRory and Kathy G Sutton

**Dr. Cai Song** is an internationally well-known pioneer scientist in the field of Psychoneuroimmunology. Her research group is studying the relationship between immune disorders and brain functions in depression and Alzheimer's disease (AD). Her work is supported by two new grants:

- 2002-2003, Thymus ageing, autoimmune disease and neurodegeneration. Florence and George Highway Foundation. \$22,000/year.
- 2003-2006, CHIR operating grant. Seasonality, depression, and immune function. \$100,000/year and Equipment grant \$110,000.

**Dr. Weihong Song** is the Jack Brown and Family Professorship and Chair in Alzheimer's Disease. His lab is working on the molecular and cellular mechanisms of Alzheimer's disease pathogenesis. His work is supported by a new CIHR Operating Grant, Regulation of BACE by Presenilins and The pathogenesis of Alzheimer's disease, \$341000 for 3 years from Oct, 2002 to September 2005.

## **Invited Presentations**

### **Dr. El-Husseini**

- The role of PSD95 and neuroligin in the assembly of elements critical for synapse development. University of Western Ontario, London, Nov. 2003.

### **Dr. McGeer**

- 2002
  - June 23-27 XXIII CIMP Congress, Montreal
  - July 20 Satellite symposium held in conjunction with the 8th international congress on Alzheimer's disease, Stockholm and the congress  
August 21 West Van Rotary - Hollyburn
  - Sept 13-15 London Ontario - FTD/Pick's Disease Conference
  - October 18 Toronto, plenary speaker at the Kunin-Lunenfeld Applied Research Unit 2nd Annual Conference
  - Nov 15 The Healthy brain program, 2nd annual conference, Richmond, BC
  - Dec 4 Nicox, Sophie Antipolis, France
- 2003
  - April 7 MDS Metro, Burnaby, 26th Annual Spring Conference. The Health of Aging: New Advances in Health Care for an Aging population
  - May 6 Calgary, plenary speaker at the Symposium of Alzheimer's disease and related disorders held in conjunction with the 5th annual Alberta Neuroscience meeting

### **Dr. Murphy**

- Harold Atwood symposium Canadian Physiological Society Meeting Feb 2nd 2002 "Desynchronization of evoked excitatory synaptic activity during repeated trains of stimuli at developing hippocampal autapses."
- Univ. of New Mexico Invited speaker. Imaging the impact of delayed and miniature release of transmitter. Feb. 21, 2002.
- CIHR Institute of Neuroscience Advisor Board Meeting. "Imaging the action of individual CNS synapses", Vancouver, BC, Feb. 19, 2002.
- 3D Microscopy of Living Cells Course Lecturer, University of British Columbia, June 22, 2002.
- Cold Spring Harbor Lab. Course Lecturer, "Imaging the structure and function of the central nervous system." Aug. 2, 2002.
- Univ. of Colorado Dept. of Physiology and Biophysics Feb. 3rd 2003 Invited seminar speaker "Dynamic properties of CNS synapses in response to trains of stimuli."
- Univ. of British Columbia Dept. of Physics Grad. Student Seminar March 19th 2003 "Imaging synaptic function at individual CNS synapses."
- Univ. of British Columbia Neurology resident academic half day. May 22nd 2003 "Synaptic Vesicle Release and Transmission."
- 3D Microscopy of Living Cells Course Lecturer, University of British Columbia, June 18, 2003 "Imaging fluorescence in brain slices."
- Cold Spring Harbor Lab. Course Lecturer, "Calcium imaging applications." July 29th, 2003.

### **Dr. Phillips**

- Gave numerous invited lectures including those at Riken, Fukuoka, Toyama, Nagoya in Japan, Universite Claude Bernard-Strasbourg, Honda Research Institute-Offenbach Germany.

### **Dr. Raymond**

- "Effects of mutant huntingtin on NMDAR activity in YAC transgenic mice: An explanation for selective neuronal degeneration in HD?" Winter Conference on Brain Research, Aspen, Colorado, January 2002.
- "Glutamate hypothesis in Huntington disease: From molecular mechanisms to clinical trials". CIHR Institute for Neuroscience Advisory Board meeting, Vancouver, BC, February 2002.
- "Role of NR2B-type NMDA receptors in selective neurodegeneration in Huntington disease". UCLA Neuropsychiatric Institute, Los Angeles, CA, March 2002.
- "Mitochondrial pathway in NMDAR-mediated cell death of striatal neurons in YAC mouse model of HD". HDSA Coalition for the Cure, Chicago, IL, April 2002.
- "New targets in epilepsy: Activity-dependent downregulation of NMDA-type glutamate receptors". Canadian Epilepsy Research Initiative, Vancouver, BC, June 2002.
- "Role of NR2B-type NMDA receptors in selective neurodegeneration in Huntington disease". Neurobiology of Aging Symposium, Orlando, FLA, November 2002.
- "Differential regulation of synaptic and extrasynaptic NMDA receptors", the National Institutes of Health, Bethesda, MD, May 28, 2003"

### **Dr. Cai Song**

- Sept. 12-15, 2002 Title: Omega Fatty Acids Reverse IL-1 Caused Depressive Symptoms and Stress Response in Rats. 4th World Congress on Stress. Edinburgh, U.K. Abstract published by Stress 5: 21.
- June 22-28, 2002. Title: Pro- and Anti-Inflammatory Cytokines in Alzheimer's Disease: New Therapeutic Options. XXIII CINP Conference, Montreal, Abstract published by Int J Neuropsychopharmacol. 5: S14.
- May 8-11. Title: Insights from traditional Chinese Medicine. Psychoneuroimmunology Research Society Annual Meeting, Madison, USA, Brain Behav. Immun. 16: 165.
- Jan. 9-12, 2002. Title: The interaction between cytokines and neurotransmitters in depress and stress. (Guang Zhuo, China. Abstract published by Anatomy Res. 24: 57-58.

### **Dr. Snutch**

- Neuroscience Research Group, Pharmacia Corp., Kalamazoo, MI
- 2002 International Pain Research Conference, Grand Cayman (symposia talk)
- Division of Neuroscience Research, Elan Pharmaceuticals, Menlo Park, CA

- Division of Clinical Neuroscience, Eli Lilly Corp., Indianapolis, IN
- 2002 World Congress on Pain, San Diego, CA (symposia talk)
- Neuroscience Research Group, Novartis AG, London, UK
- Pain Research Group, Boehringer Ingelheim, Ingelheim, Germany
- Molecular and Cellular Neuroscience Research Group, University of Calgary
- Neuroscience Research Division, Johnson & Johnson, La Jolla, CA

## **5. Teaching:**

Undergraduate: The members of the division continue to serve as tutors in the PBL program.

Graduate: The Division continues to play a key role in the interdisciplinary Graduate Program in Neuroscience, currently directed by Dr. S.R. Vincent. This training program currently has over 100 graduate students enrolled and is recognized around the world for its excellence. Drs. Vincent, Murphy, Raymond and Roskams each serve as block leaders in the NRSC 500 course, in which Drs. El-Husseini, and Snutch also lecture. Dr. Phillips is a block leader in the NRSC 501 course in which Drs. Weihong Song and Vincent also teach. We also supervise many M.Sc. and Ph.D. students in this program, as well as post-doctoral fellows in Neuroscience. Dr. Lynn Raymond has been appointed co-director of the combined M.D./Ph.D. program

## **6. Specific objective for the coming year:**

Our successes in recruiting, funding and attracting trainees have resulted in an acute space shortage in the Detwiller Pavilion. Additional space will need to be found to accommodate our greatly expanded research and training programs. This will insure that the Division remains a leading center for Neuroscience research in the future. We also plan to continue to take advantage of new funding opportunities, including Canadian Research Chairs, CIHR, Michael Smith Foundation, etc. to further develop and enhance the Division of Neuroscience. Indeed, a candidate put forward by the Division in the current round of Canada Research Chairs competitions was ranked highest of all the candidates in the Faculty of Medicine. It will be important to ensure that such outstanding applicants have appropriate research space. The members of the Division will continue to work closely with Dr. Max Cynader, the Director of the Brain Research Centre at UBC, to ensure the success of this exciting venture.



## Division of Behavioural Science

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**Head:** Dr. William Piper  
Professor



### Programs:

Anxiety Disorders: Director Dr. Peter McLean, Professor  
Eating Disorders: Director Dr. Laird Birmingham, Professor (Part Time)  
Psychotherapy: Director Dr. William Piper, Professor

### Faculty:

#### Professor

Birmingham, Laird (P/T)  
Livesley, John  
McLean, Peter  
Piper, William  
Taylor, Steven

#### Associate Professor

Geller, Josie (Part/Time)  
Jang, Kerry

#### Assistant Professor

Ogrodniczuk, John

#### Clinical Professor

Corral, Maria  
Koch, William

#### Clinical Associate Professor

Bright Britt  
Mittler Gerry  
Wilt, Frances

#### Clinical Assistant Professor

Cockhill, Leslie  
Kaye, Valarie  
Manley, Ronald  
McMillan Janette  
Perzow, Sidney

Schwartz, Patricia  
Srikameswaran, Suja  
Strazak, Irena  
Weideman, Rene

#### Clinical Instructor

Axler, Auby  
Bloch, Maurice  
Chodkiewicz, Adam  
Dahi, Abi  
Fabian, Jame  
Newth, Sarah  
Piper, Emily  
Shen, Edward  
Whittal, Maureen  
Yuswack, Timothy

The Division of Behavioural Science is diverse in content. The teaching and research interests of its members vary considerably from genetic determinants of personality to cognitive-behavioural techniques to psychodynamic group therapies to anxiety and eating disorders. The Division is composed of three recently formed Programs and several GFT members who do not belong to a Program. This report covers these four groups. The Psychotherapy Program section was written by William E. Piper, the Eating Disorders Program section by C. Laird Birmingham, the Anxiety Disorders section by Peter D. McLean, and the Non-Program Members section by William E. Piper.

## **Anxiety Disorders Program**

### **Overview**

In February 2003, the UBC Department of Psychiatry approved the formation of the Anxiety Disorders Program as a member program within the Division of Behavioural Sciences. The rationale for the development of a program focusing on anxiety disorders involves the following key points:

1. Anxiety disorders represent the most prevalent class of mental disorder and is associated with significant chronicity, functional impairment, and disability (A Provincial Anxiety Disorders Strategy (2002));
2. The Department of Psychiatry has not had a strong presence in anxiety disorders in terms of its teaching programs; and
3. The presence of a formal Anxiety Disorders Program will provide a formal presence that will facilitate the receipt of grants and program support from external sources.

In October 2002, Premier Campbell strongly and publicly endorsed the recommendations of the above report and committed the government to fulfilling its ten recommendations. Three years ago, the Anxiety Disorders Association of British Columbia was formed and acts as an advocacy association for members of the public and professionals alike. More recently, the Anxiety Disorders Association of Canada was formed, has developed rapidly and is now well funded. Taken together, these considerations create an opportunity for the Department of Psychiatry to take initiative and show leadership in the development of new knowledge, the dissemination of this knowledge and the facilitation of policy development relating to clinical services within British Columbia.

### **Current Status**

The division is in the process of raising membership from the academic and clinical ranks of the department. It is expected that this will be concluded by the end of 2003. It is hoped that members of the various disciplines represented by the department will participate in the academic and clinical interests of the Program. The Anxiety Disorders Program has made representation to the Postgraduate Training Program, offering to take responsibility for didactic and clinical supervisory initiatives. Currently, these proposals are under consideration.

### **Six-Month Goals**

- To complete the Anxiety Disorders Program's membership drive.
- To develop an information exchange program within the Program for members to participate in guest-speaker discussions, research rounds and CME activities.
- To develop clarification and direction in postgraduate teaching responsibilities.
- To develop cooperative and thematic research endeavours.

## **GFT Non-Program Members Annual Report (January 1, 2002 – June 30, 2003)**

### **Kerry L. Jang, Ph.D.**

#### **Teaching**

Dr. Jang has been very involved in the Patient Based Learning (PBL) teaching of medical students. He has served as Block Chair, Week Captain, and Tutor. He has also provided seminars to residents in psychiatry and served as a clinical research supervisor.

#### **Research**

Dr. Jang's research focuses on the behavioural genetics of common psychiatric conditions such as the personality disorders, PTSD, and the mood disorders. Current research focuses on gene-environment interactions and correlations – understanding the mechanisms behind psychosocial influences that moderate genetic liabilities to disorder. As co-investigator, he was recently awarded a five-year, CIHR New Emerging Team Program grant entitled “Understanding Risk Factors, Co-morbidity, and Global health Issues in PTSD: Laying the Foundation for Early Identification in At-risk Populations and Improving Preventive and Treatment Strategies for Canadians”.

#### **Future Directions**

Dr. Jang would like to establish his twin study as a national resource for genetically informative data.

**No information for the Annual Report was received from Drs. W. John Livesley and Steven Taylor**

### **Eating Disorders Program**

#### **Overview**

The Eating Disorders Program consists of 28 faculty distributed over 2 programs at St. Paul's Hospital and the British Columbia Children's Hospital. Dr. C. Laird Birmingham was appointed Professor of Psychiatry and Director of the Eating Disorders Program in 2002. He has also continued in his role as Medical Director of the Eating Disorders Program at St. Paul's Hospital and British Columbia Provincial Director of Eating Disorders. The other Directors are: at St. Paul's Hospital, Dr. Valerie Kaye is the Psychiatric Director and Dr. Suja Srikameswaran is the Practice Leader, and at BCCH, Dr. Pierre Leichner is the Psychiatric Director and Dr. Ronald Manley and is the Clinical Director.

The scope of programs in the Eating Disorders Program has continued to expand with multiple inpatient and outpatient programs available at each site. A new area of focus has been the development of a program Readiness and Motivational Training, designed and taught by Dr. Josie Geller. Dr. Birmingham has continued work on the psychoneuroendocrinological aspects of eating disorders in conjunction with Dr. JP Chanoine (endocrine) at BCCH, Dr. Scott Lear (weight control and metabolism) at St.

Paul's and Simon Fraser, Professor Emilio Gutierrez (warming and the autonomic nervous system) at the University of Santiago de Compostela, Dr. Ken Storey (hibernation) at Carlton, and Professor Pierre Beumont (treatment trials, neuroimaging, measurement) at the University of Sydney.

## **Teaching**

### **Undergraduate Teaching Program & Postgraduate Education Program:**

Dr. Pierre Leichner accepted the position of Director of Education for Eating Disorders. Dr. Leichner has had great experience in undergraduate, postgraduate and continuing medical education academic teaching. He has begun to formulate a plan to involve the divisional members in teaching at all levels.

### **Subspecialty Fellowship Training Programs:**

Dr. Pierre Leichner has formulated a plan to have a subspecialty fellowship program in eating disorders.

### **Continuing Medical Education:**

Members of the program teach around the world through the Eating Disorders Research Society, the Academy for Eating Disorders, and through links to academic institutions.

### **Special Honours and Awards:**

Dr. Josie Geller received both a CIHR and Michael Smith Foundation Award.

## **Future Directions**

Dr. Birmingham and his research assistant, Julia Hlynsky, are planning with Dr. Tony Phillips to make use of the new imaging facilities to test their hypothesis that dysfunction of the amygdala is a sine qua non of anorexia nervosa.

## **Psychotherapy Program**

### **Overview**

The Psychotherapy Program began September 1, 2002. Its primary objective is to promote excellence in the teaching, research, and clinical practice of psychotherapy. A Psychotherapy Program Committee was initially formed consisting of William Piper (Director), Maria Corral (Associate Director: Training), Rene Weideman (Associate Director: Faculty Activities) and John Ogrodniczuk (Associate Director: Research and Evaluation). Six tasks preoccupied much of the committee's activities. The tasks and results are listed below.

1. Develop Membership in the Program. The response to the membership campaign was very positive. The current membership includes 72 clinical and academic faculty.

2. Review and Improve the Resident Teaching Curriculum. Two courses focusing on contemporary psychotherapies have been added to the curriculum (Short-term Individual Psychodynamic Psychotherapy, Group Psychodynamic Psychotherapy). Imbalances in time allotted to different therapies have been corrected. The number of faculty involved in the Thursday seminars on the psychotherapies has been increased considerably.
3. Establish a Resident Portfolio to Document the Resident's Psychotherapy Cases and Evaluation of Competencies. The portfolio was created including new evaluation of competency forms.
4. Create a Website for the Program. The Website was created. The address is <http://www.psychiatry.ubc.ca/psychotherapy/psychotherapy1.htm>.
5. Conduct Dinner/Panel Continuing Medical Education Events. A Dinner/Panel event with special guest Melyn Leszcz on the topic of "Boundaries in Supervision: How Does Supervision Differ from Psychotherapy?" was held on May 8, 2003. Approximately 45 members attended. A second Dinner/Panel event with special guest Walter Stone on the topic of "Establishing an Effective Supervisor-supervisee Relationship" will be held on November 20, 2003.
6. Replacement of Departing Faculty. Auby Axler was appointed Associate Director: Training. Rene Weideman was appointed Coordinator of the PGY2 course "Introduction to the Psychotherapies". Judith Setton-Markus was appointed Coordinator of the PGY3 course "Long-term, Individual Psychodynamic Psychotherapy".

### **Education**

Many of the 72 members of the Program are actively involved in teaching at the undergraduate, postgraduate, and continuing medical education levels.

### **Research**

A number of the 72 members are principal or co-investigators of competitive research grants that support psychotherapy research.

### **Clinical Activities**

Most of the 72 members are members of the Clinical Faculty and devote the majority of their time to clinical work.

### **Distinctions and Awards (GFT Members)**

In April 2002, Tania Lecomte received a four-year operating grant from CIHR entitled "Treating Psychotic Symptoms of Young Individuals Presenting a First Episode of Schizophrenia: Comparing Two State of the Art Interventions". She also received a five-year New Investigator award from CIHR. In April 2002, Peter McLean received a four-year operating grant from CIHR entitled "A New Cognitive Behavioural Therapy to target Distorted Appraisals Characteristic of Primary Obsessions in Obsessive Compulsive Disorder". In October 2002, John Ogradniczuk received a three-year operating grant from CIHR entitled "The Prediction of Success of Day Treatment for Personality Disorders". He also received a five-year New Investigator Award from CIHR. In February 2003, William Piper received the Distinguished Fellowship Award

by the American Group Psychotherapy Association for his career contributions to the field of Group Psychotherapy. In June 2003, Josie Geller received a two-year operating grant from CIHR entitled “The Development and Validation of an Empirically Sound Measure of Readiness for HAART: The Antiviral Readiness and Motivation Scale.”

### **Future Directions**

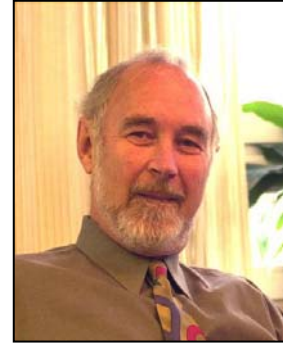
In the forthcoming year, progress in the following areas is planned.

1. Further Improvements in the Resident Teaching Curriculum
2. Inclusion of Psychiatry Residents in the Program Committee
3. Full Implementation of the Resident’s Portfolio
4. Further Dinner/Panel Continuing Medical Education Events
5. Further Involvement of Program Members in Psychotherapy Research

## Division of Child & Adolescent Psychiatry

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**Head:** Dr. Derryck Smith  
Clinical Professor



### Faculty:

#### Clinical Professor

Braunstein, Ronald  
Fast, Diane  
Freeman, Roger  
Garland, Jane  
Leichner, Pierre  
Louie, Donald  
Marriage, Keith  
Reebye, Pratibha  
Smith, Derryck

#### Clinical Assistant Professor

Baerg-Hall, Elizabeth  
Blank, Myles  
Dua, Vikram  
Hathaway, Lorraine  
Hayden, Hugette  
Kope, Teresa  
Locke, Jake  
Weiss, Jacqueline  
Worling, David

#### Clinical Associate Professor

Lomax, Susan  
Weiss, Margaret

#### Clinical Instructor

Ainsworth, Geoffrey  
Andrews, Lorraine  
Davidson, Jana-Lea  
Lazar, Gary  
Lazar, Susan  
Maskall, Doug

The Division of Child and Adolescent Psychiatry, UBC is in many ways synchronous with the Department of Psychiatry at BC's Children's Hospital. Our combined mandate is to deliver quality psychiatric and mental health services to children and youth of British Columbia, to provide training for medical students, residents and fellows, and to actively pursue research activities.

We continue to provide training sites for up to twenty MSI's per rotation, to provide six months of training for general trainees in the Psychiatry Residency Program, and to provide a full-two years of training for residents wishing to specialize in child and

adolescent psychiatry. In addition, we have one to two fellows working with the division at any one time.

The main planning thrust of the division for the past year has been planning the new building, which will house all of the clinical and academic activities for the department/division. There will be a significant increase in both research and academic space, which will allow us to accommodate increased numbers in medical students and residents as the medical school slowly, doubles in size over the next ten years.

The division is particularly dedicated to high quality teaching, and we were pleased to receive three of the four awards for clinical teaching for this academic year.

The division has played an active role in drafting the new Child and Youth Mental Health Plan for children and youth in British Columbia. I want to acknowledge the hard work of one of our division members, Dr. Charlotte Waddell, who works primarily through MHECCU.

We are in the process of negotiating responsibility for running Outreach and Telepsychiatry for the province, although details have not been finalized.

Our clinical programs now jointly report to the Provincial Director for Adult Mental Health Services, Leslie Arnold and Sharon Toohey, the President of BC's Children's Hospital and Sunny Hill Health Centre. This joint reporting has proven to be very beneficial, for both the clinical and academic pursuits of the division.

## Division of Clinical Neuroscience

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**Head:** Dr. Raymond Lam  
Professor



### **Programs:**

Mood Disorders: Director Dr. Raymond Lam, Professor  
Neuropsychiatry: Director Dr. Trevor Hurwitz, Clinical Professor  
Schizophrenia: Director Dr. William MacEwan, Clinical Associate Professor

### **Faculty:**

#### **Professor**

Clark, Campbell  
Honer, William  
Lam, Raymond  
Yatham, Lakshmi

#### **Associate Professor**

Fleming, John  
Iverson, Grant

#### **Assistant Professor**

Lecomte, Tania  
Ngan, Elton

#### **Clinical Professor**

Altman, Siemion  
Hurwitz, Trevor  
Kopala, Lili  
Sehon, Anthony  
Williams, Richard

#### **Clinical Associate Professor**

Allen, Judith  
Flynn, Sean  
Friedlander, Robin  
Gibson, Ronald  
Irwin, David  
MacEwan, Bill  
Scamvougeras, Anton  
Solomons, Kevin  
Stowe, Robert

#### **Clinical Assistant Professor**

Byrne, Caron  
Froese, Colleen  
Lemke, Michael  
Mathew Biju  
McGarvey, Kathleen  
Mok, Hiram  
Northcott, Colleen  
Smith, Geoffrey  
Tam, Edwin

#### **Clinical Instructor**

Berzen, Leon  
Manjunath C

The Division of Clinical Neuroscience comprises several large programs (Mood Disorders, Neuropsychiatry, Schizophrenia) and many individuals with a fundamental interest in applying neuroscience to understanding psychiatric conditions. This report summarizes and highlights some of the many academic activities of the Division because, with over 35 members, there are too many to name each and their interests.

The Division has sustained, outstanding clinical research productivity. A major research objective of the Division is to encourage, create and promote active collaborations with external groups, e.g., within the department, UBC Brain Research Centre, other UBC departments, and national and international collaborations.

### **Clinical and Research Contributions**

The **Mood Disorders Program** is headed by Dr. Raymond Lam and is based at UBC Hospital. Dr. Lam heads several clinical research studies in depression, focusing on seasonal affective disorder (SAD) and clinical trials in treatment-resistant depression. A new focus is chronic depression, where he has started a pragmatic randomized controlled trial of a multi-modal intervention (medication management, group interpersonal psychotherapy and occupational therapy). He also has a new CIHR-funded study in collaboration with Dr. Cai Song (Division of Basic Neuroscience) in the psychoimmunology of seasonal and nonseasonal depression.

Dr. Lakshmi Yatham heads a Canadian Bipolar Research Consortium with several large CIHR-funded grants to study clinical treatment of bipolar disorder, including a study comparing group cognitive-behavioural therapy and psychoeducation. He also continues his neuroimaging research (in collaboration with the UBC PET Research Group) using PET to study dopamine and serotonin receptors in depression and bipolar disorder. He recently received a grant from the National Alliance for Research in Schizophrenia and Affective Disorders (NARSAD) for his PET studies. A major project soon to be initiated is a program to follow and evaluate first-episode mania, in collaboration with the early intervention in psychosis program.

Dr. Erin Michalak is completing her postdoctoral fellowship in Mood Disorders and developing a research program on quality of life indicators in mood disorders. These studies are supported by clinicians in the program, including Drs. Edwin Tam, Kevin Solomons and CV Manjunath. Dr. Hiram Mok, a psychiatrist with special interest in cross-cultural aspects of mood disorders, also recently joined the group.

Over the past year, the VGH and UBC Hospital Foundation campaign for a Chair in Depression Research, spearheaded by Mr. Lloyd Craig, President and CEO of Coast Capital Savings, has raised over \$2.7 million. The application has reached the final stage in the competition for matching funds from the BC Leading Edge Research Chair Endowment, with the decision scheduled for fall, 2003.

The **Neuropsychiatry Program** is headed by Dr. Trevor Hurwitz. The program continues to have active clinical responsibility for 35 in-patient beds (10 at UBC Hospital and 25 at Riverview Hospital). Skeleem Recovery Centre, which provided rehabilitation services to traumatic brain injured patients, was closed in February, 2003 due to fiscal considerations. Dr. Joseph Tham completed his fellowship in June, 2003 and joined the Neuropsychiatry Program as a consultant neuropsychiatrist at UBC Hospital. He will be subspecializing in the neuropsychiatry of multiple sclerosis. Dr. Andrew Howard started a fellowship in July, 2003. Dr. Anton Scamvougeras continues with his clinical and research interest in Tourette's and comorbid conditions. The Neuropsychiatry Program is currently conducting a study (PI – Mr. Peter Dawson) to validate the Neurobehavioural Inventory.

Psychiatric aspects of Developmental Disabilities (DD) are part of the Neuropsychiatry Program. The clinical program for adolescents and adults is based out of 5 provincial specialized teams. Dr. Robin Friedlander is Clinical Director of the two teams in the Lower Mainland and Dr. Caron Byrne is Clinical Director of the Vancouver Island team as well as providing consultation service to the Interior Mental Health Support Team in the Caribou.

The **Schizophrenia Program** is co-headed by Dr. Bill Honer, the Jack Bell Chair in Schizophrenia, and Dr. Bill MacEwan. A focus of the clinical program is on early intervention for psychosis, which includes the UBC Hospital Schizophrenia Day Program led by Dr. David Irwin. We were pleased to see that Dr. Lili Kopala, a noted Canadian schizophrenia researcher, has rejoined the department and will also be involved in that program, as will Dr. Astrid Vik, a recently graduated resident. Dr. Siemion Altman heads the refractory psychosis unit at Riverview Hospital and has an interest in clinical trials of new antipsychotic drugs.

Dr. Honer has been extremely successful in recent grant competitions. He has created a Centre for Complex Disorders at VGH, which was awarded a research unit grant from the Michael Smith Foundation for Health Research. His New Emerging Team grant, "Interactions of development, early life experience and genetic predisposition in schizophrenia" has entered its second year and remains well on target to recruit 150 subjects with first episode psychosis. The animal model studies continue to be a source of fruitful collaboration, and recently moved beyond rodents to include *C. Elegans* with Dr. Cathy Rankin from UBC Psychology. He also has two new fellows in the lab: Drs. Julie Pongrac and Clare Beasley (supported by a CIHR-Calder-Neuroscience Foundation Fellowship). A former postdoctoral fellow, Dr. Todd Woodward, recently received a new CIHR grant on functional neuroimaging of the hippocampal-prefrontal neural system across the spectrum of schizophrenia.

Dr. Elton Ngan's lab conducts research using functional imaging (fMRI and ERP) to examine cognitive and memory deficits underlying schizophrenia. One project is trying to integrate structural abnormalities with functional abnormalities and symptom expression. His lab has a number of graduate students and a postdoctoral neuroradiology fellow, Dr. Wie Tien.

Dr. Geoff Smith continues a comparative study of psychosis at the beginning of the 20th century in BC, using Riverview records. Dr. Tania Lecomte is a new faculty member supported by a CIHR Scholar Award. She currently has a study of group-based cognitive therapy for early psychosis.

Other members of the Division include Dr. Campbell Clark, who is currently on sabbatical.

## **Publications**

Publications from the Division are numerous and diverse. A PubMed search for peer-reviewed publications in 2002 and 2003 found over 80 citations by members of the Division, with papers in Archives of General Psychiatry, American Journal of Psychiatry, Neuropsychopharmacology, Biological Psychiatry, Schizophrenia Research, and other high impact journals. Highlights included Dr. Yatham co-editing a book published in 2002 through Taylor & Francis (Bipolar Disorder: A Clinician's Guide to Biological Treatment). Dr. Scamvougeras first-authored a paper in Neuroscience Letters on an MRI twin study of the corpus callosum. A paper with Dr. Sean Flynn (Schizophrenia Program) as first author, and Drs. Smith and Honer among co-authors, was featured as the cover page in Molecular Psychiatry (Abnormalities of myelination in schizophrenia detected in vivo with MRI, and postmortem with analysis of oligodendrocyte proteins). Dr. Lam edited a theme issue on Depression in Primary Care for the BC Medical Journal in 2002.

## **Educational Contributions**

Many Division members supervise, tutor and lecture in the undergraduate and postgraduate programs. Dr. MacEwan is a Week Captain in the Brain and Behaviour Block of the undergraduate program. Dr. Lam chairs the Accreditation Subcommittee of the medical school Expansion Task Force. Dr. Jon Fleming (Sleep Disorders) is flourishing as the postgraduate training director, managing several important resident issues through the year. Dr. Hurwitz continues to coordinate the Neuroscience stream for the residents' academic day, and Dr. Hiram Mok has taken on the Mood Disorders resident seminars.

In CME/CHE, the Division successfully held its first 2-day Clinical Neuroscience Conference in February, 2003, in partnership with the UBC Brain Research Centre. Conference highlights included the opening presentation by Mr. Michael Wilson, the former federal finance minister, the debate between Dr. Lecomte and Dr. Peter McKenna from Cambridge on the issue of CBT for treatment of psychosis, and the closing talk by Dr. Fuller Torrey. Conference chair Dr. MacEwan is busy planning the next conference, scheduled for February 27 and 28, 2004.

The first Neuropsychiatry Day was held at Riverview Hospital in October, 2002. There will be a Workshop on Complex Disorders sponsored by the Schizophrenia Program and

the Peter Wall Institute for Advanced Studies in October, 2003. All the programs also conduct regular research and clinical academic rounds at their respective hospital sites.

### **Awards and Kudos**

- Dr. Lakshmi Yatham was promoted to Professor, July, 2003.
- Dr. Elton Ngan received an appointment without term (grant tenure) as an Assistant Professor, July, 2003.
- Dr. Robert Stowe was promoted to Clinical Associate Professor, July, 2003
- Dr. Raymond Lam received the medical staff Scientific Achievement Award from Vancouver Acute (VGH and UBC Hospitals), June, 2003.
- Dr. Trevor Hurwitz received the Postgraduate Teaching Award, UBC Department of Psychiatry, 2003.
- Dr. Robin Friedlander was promoted to Clinical Associate Professor, July, 2002.
- Dr. Caron Byrne was promoted to Clinical Assistant Professor, July, 2002.



## Division of Forensic Psychiatry

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**Head:** Dr. Roy O'Shaughnessy  
Clinical Professor



### Faculty:

#### **Clinical Professor**

Eaves, Derek  
O'Shaughnessy, Roy

#### **Clinical Associate Professor**

Brink, Johann  
Murphy, Emlene  
Wanis, Wahan

#### **Clinical Assistant Professor**

Riar, Kulwant  
Semrau, Stanley  
Smith, Janette

#### **Clinical Instructor**

Ceresney, Maureen  
Grasswick, Linda  
Meldrum, Le Anne  
Patton, Sheila  
Riley, Mark  
Tomita, Todd  
Widajewicz, Witold

The Division of Forensic Psychiatry consists of 20 Clinical Faculty who provide clinical services and teaching at three separate but complementary sites that specialize in the interface between psychiatry and the law.

The Forensic Psychiatric Services Commission operates the Forensic Psychiatric Institute and outpatient clinics in the lower mainland. The FPSC provides court ordered assessments of adults charged with criminal offenses and acute and chronic care of mentally ill offenders found unfit to stand trial or Not Criminally Responsible by Reason of Mental Disorder. Outpatient services provide treatment for mentally ill offenders and sexual offenders on probation.

The Youth Forensic Psychiatric Services provide inpatient and outpatient court ordered assessment and treatment for young offenders. Specialized programs for treatment of adolescent sexual offenders and violent offenders are offered in custody centers and at outpatient services.

St. Paul's hospital medical-legal clinic provides assessments of individuals involved in civil disputes including assessments of personal-injury, competency and disability.

## **Teaching**

**Undergraduate teaching:** Elective experiences are offered at all three sites.

**Postgraduate teaching:** The Division continues to offer structured seminars in Law and Ethics and in Forensic Psychiatry to PGY-4 residents. Clinical instruction and supervision in civil forensic psychiatry is provided to residents rotating through the St. Paul's program under the direction of Drs. Vallance and O'Shaughnessy. Elective rotations in adult criminal forensic psychiatry are offered by the FPSC. Dr. Murphy, the Medical Director and Dr. Wanis, director of education, organize rotations in inpatient services and court appearances. Elective rotations in juvenile forensic psychiatry are offered by YFSC. Dr. O'Shaughnessy, the Clinical Director, Dr. Janke, Assistant Clinical Director and Dr. Riar, Assistant Clinical Director provide supervision of court ordered assessments and treatment of adolescent violent or/and sexual offenders.

Clinical Fellowships are offered at FPSC and YFPS. FPSC currently has one fellow in training.

## **Research**

FPSC has established a research program under the direction of Dr. Brink. Pilot projects in planning and implementing the Short Term Assessment of Risk and Treatability are currently underway. The research group has recently completed an evaluation of cessation of smoking study and are planning studies on tracking persons found NCRMD, cognitive impairment and impulsivity in persons with schizophrenia and evaluations of outcome of treatment of sexual offenders.

YFPS offers research opportunities through the Program Evaluation and Research group. Current research projects include: implementation of structured assessments of risk of violence, outcome measures of treatment of violent offenders, and adolescent "psychopathy".

## **Distinctions and Awards**

Dr. Maellor Vallance was awarded the Bruno Cormier Award (2003) by the Canadian Academy of Psychiatry and Law.

Dr. Roy O'Shaughnessy became President of the American Academy of Psychiatry and Law 2002-2003.

## **Future Directions**

The Division is pleased with the current clinical teaching services that offer a broad range of opportunities for clinical training in criminal forensic psychiatry that satisfied current needs. Training in Civil forensic psychiatry has been relatively neglected despite the observation that the majority of psychiatrists require skills in assessing ability to work, competence and consulting to legal advocates for their patients. The Division plans to increase clinical and teaching services and offer postgraduate education in civil forensic psychiatry at the St. Paul's hospital site.

The Division's strength lies in the clinical teaching program. Its weakness results from the lack of academic research activity and the corresponding absence of research grants and academic publications. While a number of faculty present regularly at forensic conferences, the Division needs support to increase its academic capacity and generate further knowledge in criminal and civil forensic psychiatry.



## Division of Geriatric Psychiatry

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**Head:** Dr. Martha Donnelly  
Clinical Professor



### Faculty:

#### **Clinical Professor**

Donnelly, Martha

#### **Clinical Associate Professor**

Choo, Caroline  
Gosselin, Caroline  
Kang, Nirmal  
Liang, Raymond  
Mithani, Akbar  
Monks, Richard

#### **Clinical Assistant Professor**

Chan, Peter  
Cooper, Michael  
Drance, Elisabeth

Kang, Arvind  
Kiraly, Stephen  
Kitchen, Robert  
Leishman, David  
Patterson, Bruce  
Sheldon, Leslie

#### **Clinical Instructor**

Berman, Kevin  
Chauhan, Harpreet  
Geiser, Maria  
Genge, Margot  
Gharakhanian, Garen  
McDonald, Dan  
Phaterpekar, Hem  
Wilkins-Ho, Michael

## DIVISIONAL OVERVIEW

The Division of Geriatric Psychiatry has existed since 1984 at UBC. It had its first “annual” retreat however, on October 11th, 12th, 2002 to review what the Division is all about and to formalize undergraduate and postgraduate subcommittee work.

Several divisional members worked on two important guideline documents in 2002, “Guidelines for Elderly Mental Health Care Planning for Best Practices for Health Authorities in BC” and “Electroconvulsive Therapy: Guidelines for Health Authorities”. Both were sponsored by the BC government through MHECCU. Dr. Donnelly was guest editor for Visions: BC’s Mental Health Journal in the summer of 2002. This whole edition was devoted to geriatric mental health issues and several members of the Division contributed to it.

Divisional members are spread across the Lower Mainland, in Riverview Hospital, the Royal Columbian Hospital, Vancouver Hospital, Providence Hospital, in community mental health teams and in private practice. Members are also in Comox, Victoria and Penticton, which will situate the Division well with the Medical School expansion plan. Several Divisional members also participate in outreach services throughout the province.

## **RESEARCH**

Dr. Donnelly has worked on Exercise in Elderly Women Studies looking at the psychological impact of weight training. She has also participated in geriatric psychiatry health services research in B.C. In 2002 this was done in partnership with Masters student Barbara Baker exploring the weight of cases on interdisciplinary psychogeriatric teams. This work will be presented as a paper at the CPA in Halifax in the fall of 2003.

Dr. Donnelly and Dr. Drance are working with an interdisciplinary team at UBC on a grant proposal regarding Personhood and Dementia.

Dr. Monks is starting a study on the impact of occupational therapy assessment on "Diagnostic Categorization of Persons with Minimal Cognitive Impairment."

Dr. Michael Passmore (Fellow), will be doing a study using the database on ECT at Riverview to look at the use of antidepressants, especially bupropion, and efficacy of ECT.

## **EDUCATION**

### **Undergraduate Medical School:**

Divisional members have taught in Clinical Skills (interviewing skills for first year med students), DPS and brain and behaviour in PBL. They have also given a seminar on an Introduction to Geriatric Psychiatry Phase IV rotation. Phase V selectives and Phase VI electives also have been supervised.

### **Undergraduate Interdisciplinary Students:**

In the spring of 2003 Dr. Donnelly co-taught the first interdisciplinary course on aging at UBC with social work faculty Debra O'Connor and nursing faculty Joanne Perry. Dr. Donnelly also, with an interdisciplinary group, was awarded funds from the Strategic Teaching Initiative to develop interdisciplinary care modules within geriatrics. Dr. Peter Chan is working on a delirium module. Dr. Drance has created a depression module and Dr. Donnelly will be responsible for a module on dementia with behavioural problems. Ten modules will be created. The plan will be for these to be part of continuing education courses from UBC and to be distributed widely throughout the province for education for health care teams.

### **Postgraduate:**

Dr. Gosselin organizes a 13-seminar series for Psychiatry PGY IV's in the spring each year. Many members of the Division participate.

Dr. Donnelly gives a two-hour seminar to Psychiatry PGY I's through Mheccu on an "Introduction to Geriatric Psychiatry" each year.

Dr. Chan gives a seminar on Delirium to second year Family Practice residences.

All the UBC Psychiatry residents do a three-month block of Geriatric Psychiatry. They can be primarily situated at Riverview, St. Paul's, St. Vincent's, or Vancouver Hospital (the VGH Consult Service or VGH STAT Unit). Outpatients are seen through the community mental health teams or GPOT. In 2003 Dr. Chan and Dr. Chauhan organized a series of seminars during each rotation. Dr. Phaterpekar takes PGY 1 Psychiatry residents at the Royal Columbian Hospital to do some geriatrics. Dr. Monks has also offered a rural geriatric rotation in the North Island. Dr. Chan has organized a Divisional Postgraduate Rotation Committee to review objectives and review rotations for quality improvement on an ongoing basis.

Family Practice residents doing geriatrics at STAT spend Monday afternoons at the Geriatric Psychiatry Outreach Team Teaching Clinic at Vancouver General Hospital. Family Practice Fellows and Family Practice Enhanced Skills students have done rotations in Geriatric Psychiatry with Dr. Patterson in a community mental health team, as well as with Dr. Chan on a Geriatric Psychiatry Consult Service at VGH.

**Fellowship:**

The Division had two fellows for 2001-02, centred primarily at St. Vincent's; Dr. Harpreet Chauhan and Dr. Michael Wilkins-Ho. In 2002-03 Riverview sponsored one fellow, Dr. Mafalda Musacchio. All three have remained in BC and are involved in both clinical work and teaching. Riverview has committed to funding one fellow a year. However, in 2003/04 Riverview is funding two fellows, primarily at Riverview; Dr. Michael Passmore and Dr. Susan Moore. A Fellowship Committee has been struck to review objectives and guide and evaluate the fellowship experience.

**Continuing Medical Education:**

The Division put on a well attended CME Course for the UBC Department of Psychiatry on "Practicing ECT" in the spring of 2003, organized by Dr. Peter Chan, including participation by Dr. C. Gosselin, Dr. N. Kang and Dr. M. Donnelly. Dr. Chan and Dr. Gosselin also organized a course on ECT at the 2002 Banff Canadian Psychiatric Association meeting.

At the first annual Departmental Clinic Day in June of 2002, Dr. Arvind Kang and Dr. Donnelly presented on Alzheimer's Disease. At the second Annual Clinic Day in June 2003, Dr. Peter Chan and Dr. Sheila Nolan presented depression in cardiovascular and cerebral vascular disease.

Divisional members have also been involved in numerous other CME events.

## **DISTINCTIONS AND AWARDS**

Dr. Donnelly won the 2002 YWCA Woman of Distinction Award for Health, Wellness and Active Living.

Dr. Passmore (Divisional Fellow), won a 2002 – 2003 Resident Award from the Canadian Academy of Geriatric Psychiatry.

## **DEPARTMENT OF PSYCHIATRY COMMITTEE MEMBERSHIP**

Dr. C. Gosselin	– PGE Committee
Dr. E. Drance	– Admissions Committee
Dr. R. Monks	– Clinical Faculty Appointments and Promotions Committee
Dr. M. Donnelly	– Advisory Committee
Dr. P. Chan	– Phase V representative for Faculty of Medicine

## **FUTURE DIRECTIONS**

The Riverview tertiary services regionalization will have a major impact on services, education, and potentially research around the province. Divisional members are keenly interested in making certain much needed services are not lost and that the services are accompanied by academic activities. There is an uneasy feeling within the Division, as both crisis and opportunity are perceived.

With the regionalization of tertiary services and the Medical School expansion to Victoria and Prince George, the Division welcomes the opportunity for a more distributed provincial approach to education and research. We therefore want to start to support our colleagues from outside of Vancouver now.

Interdisciplinary education and research are an important focus of the Division, both now, and increasingly will be so in the future. We wish to continue and to enhance our present collaborations with the Division of Community Geriatrics Family Practice and Division of Geriatric Medicine in the areas of faculty development and continuing medical education. We will hopefully collaborate with research projects as well.

Having participated in developing the BC ECT Guidelines, the Division plans to be involved in reviewing the use of these guidelines and exploring the need for further education in ECT.

Finally, the Division is planning a second annual retreat in November 2003 to discuss the Department's Strategic Planning document and how the Division of Geriatric Psychiatry can assist the Department in meeting its' goals.

## Division of Mental Health Policy & Services

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**Head:** Dr. Elliot Goldner,  
Associate Professor



### Faculty:

**Associate Professor**  
Goldner, Elliot

Higenbottam, John  
Patrick, Lance

**Assistant Professor**  
Waddell, Charlotte

**Clinical Instructor**  
Anderson, John  
Smye, Victoria

**Clinical Professor**  
Agbayewa, Oluwafemi  
Noone, Joseph  
Rungta, Kamal

**Research Associate**  
Corbiere, Marc  
Somers, Julian  
Waraich, Paul

**Clinical Associate Professor**  
Bilsker, Dan  
Bishop, Joan  
Gibson, Peter

### Overview

In the autumn of 2002, the former Division of Community Mental Health was renamed the 'Division of Mental Health Policy and Services'. The change of name was undertaken as a component of a more comprehensive reorganization of the Department of Psychiatry's divisional structure. The new name was selected to better reflect the central focus of the Division's activities.

The Division of Mental Health Policy and Services has continued to operate its main program, the Mental Health Evaluation & Community Consultation Unit (MHECCU). MHECCU's mission is to improve mental health outcomes for British Columbians and other Canadians by linking research, education and policy making at community, clinical, administrative and broader systems levels. Many of Mheccu's key activities have been undertaken in collaboration with partners in provincial government, e.g. Ministry of Health Services, Ministry of Children & Family Development, Ministry of Health

Planning, with the regional governing authorities of British Columbia and in conjunction with various federal government agencies responsible for healthcare initiatives. MHECCU's research and educational activities have involved partnerships with other UBC centres and institutes, e.g. the Centre for Health Services & Policy Research, the Centre for Health Outcomes and Evaluation Sciences & the Institute for Health Promotion and with research units in other academic institutions. Community partners, including a number of constituents of the BC Partners for Mental Health and Addictions Information, have also been key collaborators in MHECCU's research activities.

In addition to the activities undertaken through MHECCU, members of the Division of Mental Health Policy & Services have made substantial contributions to UBC through various teaching activities, clinical services, community development initiatives, research projects and through the creation and dissemination of scientific publications. An important aspect of the activities of members of the Division has been in supporting 'knowledge translation', i.e. effective exchange of knowledge amongst researchers, policy-makers, healthcare providers, affected patients/clients/consumers and family members and the general public, relevant to addictions and mental health policies and services.

The Division of Mental Health Policy & Services expanded the focus of its research and educational activities to attend to the area of addictions policy and services. This expansion has involved the recruitment of new faculty members with particular training and expertise in aspects of addictions services and policy research and an affiliation with the University of Washington's Addictive Behaviors Research Center.

### **Faculty**

Due to deliberations regarding appointment of Full-Time, Clinical and Adjunct Faculty members in the UBC Faculty of Medicine, various UBC appointments remained pending. The following list represents the faculty members who were considered by the Division of Mental Health Policy & Services to be affiliated as either Core Faculty or Associate Faculty members in 2002-03.

### **Education**

Members of the Division made extensive contributions to education and learning both on and off campus. Many faculty members contributed to undergraduate teaching in the medical school and to ongoing postgraduate training. Dr. Goldner was appointed the Director of Undergraduate Education for the Department of Psychiatry and was requested to undertake an active role in the department's initiatives related to the expansion of the UBC medical school. He also supervises graduate and post-doctoral students in their research activities. Dr. Waddell has been the Academic Tutorial Coordinator for the first-year psychiatry residents at UBC, providing a monthly seminar series to introduce residents to the practice of psychiatry and the system in which services and policies are developed and implemented. Many of the other faculty members in the Division are very active teachers and providing clinical and research supervision and training.

In partnership with the Department of Family Practice, the Division of Mental Health Policy & Services continued to deliver an Enhanced Skills training program for Family Physicians seeking advanced training in psychiatric subspecialty areas, constituting one facet of the Division's activities in the area of Shared Mental Health Care.

A range of educational events were delivered via video-conference, comprising part of the Division's Centre for Telehealth at MHECCU (**CT@M**). To support distance learning, the **CT@M** implemented videoconference equipment in over 40 BC health facilities. Professionals in these locations were also joined by colleagues in the Yukon, Alberta, and other jurisdictions for interactive sessions with leading clinical educators. Additional sessions were provided for members of the public. The **CT@M** facilitated a regular schedule of distance learning opportunities. During the 18 months previous to June 2003, the **CT@M** conducted a total of 350 distance learning sessions attended by 1,970 people. In addition it hosted 309 clinical and 217 training and administrative sessions attended by 673 and 698 people, respectively.

### **Research**

Members of the Division of Mental Health Policy & Services have conducted research on various topics. Funding has been awarded through peer-reviewed grants from provincial, national and international funding agencies and through contracts with government programs and ministries. The following areas of research were undertaken:

- a national study that explores ways to improve links between research and policy in child/youth mental health,
- a national study of prevention initiatives in child/youth mental health,
- development of evidence-based interdisciplinary practice parameters in partnership with BC's Ministry of Children and Family Development (MCFD),
- research in related areas including parenting, child maltreatment, and child and youth mental health policy and services,
- co-ordination of the maintenance and analysis of child and youth suicide data in BC
- a provincial study of best practices in depression in BC
- studies of the epidemiology of schizophrenic disorders in BC using linked health data
- studies of the prevalence and incidence of various mental disorders internationally and application of findings to BC
- studies of the effectiveness of e-learning initiatives to support the health of aboriginal people
- studies of the applicability and effectiveness of telehealth technologies for use in education related to mental health and addictions services



# Education

A decorative flourish consisting of a thin, elegant line that starts with a small curve, rises slightly, and then loops back down and to the right, ending in a small, tight spiral.



## Undergraduate Education Program

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**Director:** Dr. Elliot Goldner



Members of the Department of Psychiatry have continued to play an important role in the education of medical students at UBC. We will soon be called upon to increase our teaching activities as an extraordinary growth spurt will double the number of students enrolled in UBC's medical school.

Alongside our colleagues in other departments within the Faculty of Medicine, we have made a substantial teaching contribution within the core medical school curriculum, i.e., problem-based learning seminars, clinical skills training activities, clerkship rotations, electives and selectives. Our faculty members have made contributions across a wide spectrum of expertise which includes neuroscience, clinical knowledge of the full spectrum of psychiatric disorders and their treatment, child, geriatric and forensic psychiatry, and many other important areas of psychiatric medical practice.

Members of our department have also continued to provide another key function in undergraduate medical education at UBC; a function that has been led, traditionally, by psychiatric educators and has now been incorporated within many other medical specialties. Here, I am referring to the important component of medical education that aims to broaden physicians' skill and acumen to include the social, interpersonal and psychological facets of human health and illness.

The substantial expansion in the size of the medical student body at UBC has been funded by government in response to existing and projected shortages of Canadian physicians in various medical specialties and similar expansion is occurring in other medical schools across Canada. In partnership with the University of Victoria and the University of Northern British Columbia, the UBC medical school will establish new training sites in Victoria and Prince George. All entering students will begin the initial component of their medical education in Vancouver, but a proportion of students will undertake the majority of their subsequent education in one of the new sites. This "distributed learning" approach will be implemented in the hope that many of the graduating physicians will remain in rural locations and establish practices in areas that are currently under-served.

The next 1<sup>st</sup> year medical class to enter (2003-04) will be increased by 6 students. In 2004-05, the two new sites will be opened and there will be a large increase in class size; 72 students will be added, 24 students in each of the three sites. Further increases will occur in future years, until a class size of 256 students is accomplished. Utilization of distance education methods and technology will be emphasized to support the students located in Victoria and Prince George.

In view of the planned expansion in the numbers of medical students at UBC, there will be a need to recruit additional teachers as additional faculty teaching capacity will be needed in Vancouver and also at the new training sites in Victoria and Prince George. In Psychiatry, we have been fortunate to have many skilled faculty members provide teaching to our medical undergraduates.

The following is a list of the members of the Undergraduate Education Committee in our department:

Dr. Elliot Goldner	Director, Undergraduate Education
Dr. Janette McMillan	Director, Phase IV
Dr. Peter Chan	Director, Phase V
Dr. Margaret Duke	Phase IV Site Director, SPH
Dr. Andrzej Koczapski	Phase IV Site Director, UBC
Dr. Hiram Mok	Phase IV Site Director, VGH
Dr. Kerry Jang	Director, Brain & Behaviour
Dr. Bill Maurice	Director, Clinical Skills
Dr. Jackie Weiss	Child Psychiatry Representative
Dr. David Yaxley	Mental Health Team Representative
Dr. Steven Mathias	Psychiatry Resident Representative
Ms. Naomi Dove	Medical Student Representative
Mr. Daniel Lin	Medical Student Representative
Ms. Karen Ng	Undergraduate Education Program Assistant

## Postgraduate Education Program

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**Director:** Dr. Jonathan Fleming



### Overview

The Psychiatry Residency Program operates under the Royal College Guidelines for Post-Graduate Training and provides an integrated program of clinical placements and academic seminars.

The UBC program is designed to achieve the goals of the Royal College of Physicians and Surgeons of Canada and the University of British Columbia while providing an excellent training opportunity and experience for its Residents. Clinical placements are made in a mutually agreed upon fashion in an integrated network of general hospitals and special training sites, which include Vancouver Hospital Sites at VGH and UBC, St. Paul's Hospital, Child and Adolescent Psychiatry at Children's and Women's Health Centre, St. Vincent's Hospital, Riverview Hospital, and Vancouver Community Mental Health Services. The current PGY1 trainings sites are the Royal Columbian Hospital and St. Paul's Hospital.

The Postgraduate Training Program currently has 49 Residents in the 5-year program. Primary entry into the program remains through the CaRMS match although with anticipated physician shortages due to retirements, we hope that re-entry candidates may be increased above our current allotment of one candidate every two years.

### New Developments

Since the last report there have been a number of personnel changes. **Drs. Kamal Rungta** and **Kristin Sivertz** who had been the Co-Directors of the Postgraduate Education Program for the previous six years, left to take positions as Co-Associate Deans in Postgraduate Medical Education. **Dr. Jonathan Fleming** was appointed the new Program Director effective July 1, 2002. **Martha Selliti**, who had been the Program's secretary for over five years, was promoted to the Postgraduate Dean's Office where she is enjoying her new position. In the Fall of 2002 we welcomed **Lynn Falconer** to the newly defined role of Program Coordinator and she is ably assisted by **Karen Ng** and **Vicky Yau**.

In keeping with the Royal College Guidelines, the Program Committee was restructured to be the major decision making body for the program. The Executive now operates as a true Executive of the Program Committee and this administrative change appears to be working well.

Unfortunately, the program lost the Adult Outpatient Department at the UBC site and, later, the Emergency Department closed and was replaced by an Urgicentre without psychiatric coverage. With the closure of the outpatients we lost a valued service and the contributions of some esteemed teachers. **Dr. David Yaxley** led a group who valiantly tried to provide a clinical service with excellent teaching but with minimal instrumental support. Eventually it became apparent this could not be sustained but, fortunately, **Dr. Fran Wilt** and **Dr. Patricia Mirwalt** helped us devise an excellent outpatient experience using the resources of the Student Health Service and this program, now in its second year, has been well received by students and patients alike.

**Dr. Bill Piper**, Director of the Psychotherapy Program, has introduced some important changes to the teaching and the course content of the Psychotherapy stream. To introduce these changes it was necessary to decrease the amount of time given to the teaching and practice of long-term, dynamic, psychotherapy which was distressing to both the Residents and some Faculty. We will need a year to evaluate if these changes - which increase learning opportunities and diversity – are an improvement over the previous course. **Dr. Auby Axler** was appointed as Assistant Director of Training for the Psychotherapy Program at the end of this reporting period.

Plans to improve the evaluation of Residents and teachers were implemented in early 2003 and now Web-Eval is up and running and the new evaluation forms allow for both timely feedback to faculty about their teaching and a method of tracking Resident attendance.

During the time period of this report we had some resignations. **Dr. Valerie Gruson** resigned her position on the Selections Committee and **Dr. Riho Kalda** resigned as the Head of the Syndromes Curriculum Stream and also from the Selections Committee. **Dr. Maria Corral** resigned as the Director of the Psychotherapy Stream, and **Dr. Janette McMillan** as the PGY3 Psychotherapy Course Coordinator. All served important roles for long periods of time and we owe a debt of thanks and words of appreciation for their service.

## **Curriculum Clinical Placements**

### ***PGY1 Year***

Our program is a five-year program with the first year being the BC common year, which allows for one half-day back at the psychiatry program per month. The PGY1 training sites are Royal Columbian Hospital and St. Paul's Hospital.

**PGY2 Year**

The second year of residency consists of 12 months of an inpatient/outpatient rotation at one of the three general hospitals: Vancouver Hospital; UBC Hospital or St. Paul’s Hospital.

**PGY3 and PGY4 Years**

Residents in their third and fourth year are required to complete the following rotations:

- Child & Family Psychiatry (6 months)
- Chronic Care Psychiatry (6 months)
- Community Psychiatry (2 months urban, 1 month rural)
- Consultation-Liaison Psychiatry (3 months)
- Emergency Psychiatry (3 months)
- Geriatric Psychiatry (3 months)

**PGY5 Year**

This year is reserved as an elective year. A wide variety of electives are offered along with flexibility in splitting these electives and/or arranging new ones. There are opportunities to spend all or part of the elective year in an approved residency program anywhere in North America.

**Clinical Placement Sites**

Program Year	Content and Sequence of Rotations – Number of Months (or 4-week blocks)													
	1	2	3	4	5	6	7	8	9	10	11	12	13	
PGY1	Medicine		Surgery		Pediatrics			Ob/Gyn		Psych	ER	Family Med	Neuro	
PGY2	<b>Inpatient Psychiatry</b> (6 months) <i>St. Paul's Hospital</i> <i>UBC</i> <i>VGH</i>						<b>General Adult Psychiatry</b> <b>Outpatient Psychiatry</b> (6 months) <i>St. Paul's Hospital</i> <i>UBC</i> <i>VGH</i>							
PGY3 & PGY4	<b>Consultation-Liaison</b> (3 months)  <i>VGH</i> <i>St. Paul's Hospital</i>				<b>Emergency Psychiatry</b> (3 months)  <i>VGH (PAU)</i> <i>St. Paul's Hospital</i>				<b>Child and Family Psychiatry</b> (6 months)  <i>BC Children's Hospital</i>					
	<b>Geriatric Psychiatry</b> (3 months)  <i>VGH</i> <i>St. Paul's Hospital</i> <i>Riverview Hospital</i> <i>St. Vincent's Hospital</i> <i>St. Joseph's, Comox</i>				<b>Community Psychiatry</b> (3 months)  <b>Urban Sites</b> <i>Langley Memorial</i> <i>Richmond Hospital</i> <i>Peace Arch Hospital</i> <i>Ridge Meadows Hospital</i>  <b>Rural Sites</b> (at least 1 month must be in a rural setting) <i>Duncan Mental Health</i> <i>St. Joseph's, Comox</i> <i>Penticton Hospital</i> <i>Prince George Hospital</i> <i>Vernon Mental Health</i> <i>Royal Jubilee, Victoria</i> <i>Nanaimo</i>				<b>Chronic Care Psychiatry</b> (6 months)  <i>Riverview Hospital</i> <i>Forensic Psychiatry Institute</i> <i>Vancouver Community Mental Health Service (Mental Health Teams)</i>  <i>or any combination of the above.</i>					

<b>PGY 5 Electives (12 Months)</b>	
Anxiety D/O – UBC (3-6 months, part-time)	Geriatric – RVH; VGH; St. Joseph’s, SVH, SPH (6-12 mos)
Mood D/O – UBC (6-12 months)	HIV D/O – SPH (3 months)
Child Psychiatry – BCCH (6-18 months)	Integrative Personality Program – VGH (3 months)
Chronic Pain – SPH (3 months)	Mood Disorders Service (Research) – UBC (12 months)
Civil Forensic – SPH (1-6 months)	Neuropsychiatry – UBC; Riverview (3-6 months)
Cognitive Behaviour Therapy – UBC (6 months)	Psychotherapy OPD – UBC Student Health (6-12 months)
Consultation-Liaison – SPH; VGH (1-12 months)	Reproductive Psychiatry – SPH; BCCH (3 months)
Eating Disorders – SPH (6-12 months)	Research – any hospital (3 months)
Forensics – FPI (3-6 months)	Sexual Medicine – VGH (6-12 months, part-time)
Sexual & Gender Identify D/O – VGH (6-12 months)	Sleep Disorders – UBC (3-6 months, part-time)

### **Academic Seminars**

Academic Seminars are held for a full day each Thursday at UBC campus for the Residents at the PGY2, PGY3, and PGY4 training levels. PGY-5 Residents have a more flexible self-study program. Residents are excused from their clinical responsibilities for the day to attend an integrated series of seminars covering all aspects of psychiatry—seminars are organized into three streams: Neuroscience; Psychotherapy and Syndromes and Special Areas. The academic program is designed to meet the standards of the Royal College of Physicians and Surgeons of Canada.

### **Academic Lecturers**

#### ***Orientation (PGY2)***

Dr. Maria Corral  
 Dr. Soma Ganesan  
 Dr. Peter Gibson  
 Dr. William Honer  
 Dr. Riho Kalda

Ms. Margo Lane  
 Dr. Mark Levy  
 Dr. Shao Hua Lu  
 Dr. William Maurice  
 Dr. Elton Ngan

Dr. Joseph Noone  
 Dr. Raina Persaud  
 Dr. Stanley Semrau

#### ***Neuroscience Stream***

Dr. Leon Berzen  
 Dr. Caron Byrne  
 Dr. Robin Friedlander  
 Dr. Soma Ganesan  
 Dr. A. Goumeniouk

Dr. William Honer  
 Dr. Trevor Hurwitz  
 Dr. Kerry Jang  
 Dr. Brenda Kosaka  
 Dr. Anton Scamvougeras

Dr. Kevin Solomons  
 Dr. Robert Stowe  
 Dr. Margaret Weiss  
 Dr. Richard Williams

### ***Syndromes & Special Areas***

Dr. Elizabeth Baerg Hall	Dr. Stephen Kline	Dr. Emlene Murphy
Dr. Myles Blank	Dr. Robert Krell	Dr. Roy O'Shaughnessy
Dr. Allan Burgmann	Dr. Raymond Lam	Dr. Rainer Persaud
Dr. Peter Chan	Dr. Pierre Leichner	Dr. Pratibha Reebye
Dr. Stacey Elliot	Dr. Peter Liddle	Dr. Roger Schick
Dr. Jonathan Fleming	Dr. Susan Lomax	Dr. Kristin Sivertz
Dr. Soma Ganesan	Dr. Donald Louie	Dr. Ron Stevenson
Dr. Jane Garland	Dr. Shao Hua Lu	Dr. Eduardo Tesler-Mabe
Dr. Caroline Gosselin	Dr. Roy Mackenzie	Dr. Allan Tuokko
Ms. Lorraine Hathaway	Dr. Ronald Manley	Dr. Wahan Wanis
Dr. Robert Hewko	Dr. Keith Marriage	Dr. Stephen Wiseman
Dr. John Higgenbottam	Dr. William Maurice	Dr. David Worling
Dr. Kerry Jang	Dr. F. McQueen	Dr. Lakshmi Yatham
Dr. Arvind Kang	Dr. Shaila Misri	
Dr. Nirmal Kang	Dr. Hiram Mok	

### ***Psychotherapy Stream***

Dr. Maria Corral	Dr. Sidney Perzow	Dr. Frances Wilt
Dr. Roy MacKenzie	Dr. Kamal Rungta	Dr. David Yaxley
Dr. Janette McMillan	Dr. Maureen Whittal	

### ***Current Residents***

AL MERRI, Alya (PGY1)	KUNDHAR, Divya (PGY1)
BAER, Susan (PGY4)	LUPTON, Lauren (PGY4)
BAINS, Sarvjeet (PGY4)	MATHIAS, Steven (PGY2)
BAIRD, Rosemary (PGY3)	McLACHLAN, Siobhan (PGY5)
BONDAR, Jay (PGY1)	MILLER, Ashley (PGY2)
BOULDING, Rachel (PGY4)	MILLER, Debra (PGY4)
BOWERING, Tricia (PGY5)	MUFTI, Rana (PGY3)
CHAPMAN, Andrea (PGY5)	MURRAY, Chris (PGY3)
CHESKO, Jennifer (PGY3)	NAZIF, Anna (PGY2)
CHO, Caroline (PGY1)	PANENKA, William (PGY1)
CORCORAN, Megan (PGY1)	PATTISON, Mark (PGY1)
DIMOV, Marius (PGY2)	RANDHAWA, Ram (PGY4)
FREDRIKSON, Diane (PGY5)	SAARI, Carol-Ann (PGY4)
FREED, Jennene (PGY2)	SADREHASHEMI, Ladan (PGY4)
FUNG, Jonathan (PGY1)	SCARFE, Sarah (PGY3)
GUBANOV, Alexander (PGY1)	SHABBITS, Michael (PGY3)
HOFFMAN, Joanne (PGY3)	SHERWOOD, Megan (PGY5)
HOLDSWORTH, Cindy (PGY2)	SHOJA, Sheila (PGY2)
HOWARD, Andrew (PGY5)	STUART, Katherine (PGY1)
HUNTER, Julia (PGY2)	THIBEAULT, Amy (PGY2)
JONES, Russet (PGY3)	VIDAL, Carolina (PGY2)
JOSHI, Hemlata (PGY3)	VIK, Astrid (PGY5)
KANG, Shimi (PGY5)	WICHOLAS, Leslie (PGY5)
KASAPI, Marina (PGY4)	WIESE, Bonnie (PGY1)
KOTTEDA, Vinod (PGY3)	

## **Research**

Emphasis is placed on research throughout the program and is encouraged by the following measures:

- With the help of the Director of Research, **Dr. William Honer**, Residents are encouraged to be involved from the onset of their training. Dr. Honer coordinates six research lunches yearly for the Residents. The intent of these sessions is to have various speakers present a research topic and then discuss with the Residents how they became interested in research and how they integrate research into their day-to-day activities—basically, to act as role models for those Residents who might be interested in a research component to their careers;
- Dr. Honer also facilitates liaison between Residents and specific research mentors, to become involved with new and ongoing research projects, writing up cases, and literature reviews;
- Annual Research Day—the department awards prizes for the best clinical and basic science papers submitted by Residents;
- Any Resident may elect to do six to twelve months on a research project in their elective year (PGY5);
- Opportunities for research exist in most areas and is actively supported by the Program and the Department.

## **Future Directions**

The major task this coming year will be to review the formal curriculum and consider how best to deliver it. There is a need to get new information to our trainees in a timely fashion and to make it as contextually relevant as possible. For example, Residents who are placed in a clinical rotation – such as Child Psychiatry – would benefit from having the didactic program delivered at the same time but scheduling makes this difficult and, sometimes, impossible.

In these days of restraint and cut-backs, providing excellent clinical placements continues to be a challenge. This is likely to become more of an issue with the expansion of the medical school. We will need to have post-graduate programs up and running in any sites where there will be clinical placements for our undergraduates.

We will continue to actively encourage Residents to obtain experience in research. This will range from being able to complete a competent review of the literature to finish a research project and a number of Residents have expressed an interest in joining or starting projects.

The success of the Postgraduate Program is dependent on the active contributions of many Faculty be they Administrators, Clinical Supervisors, Professors or Committee Members. To them and our students, a word of gratitude for making our working life meaningful and fun!

## **Committees**

### ***Postgraduate Program Committee***

#### ***Chair: Dr. Jonathan Fleming***

Dr. Siemion Altman  
Dr. Susan Baer  
Dr. Britt Bright  
Dr. Allan Burgmann  
Dr. Andrea Chapman  
Dr. Caroline Choo  
Dr. Maria Corral  
Dr. Diane Fredrikson  
Dr. Jane Garland  
Dr. Peter Gibson  
Dr. Hugette Hayden  
Dr. William Honer  
Dr. Trevor Hurwitz  
Dr. Terry Isomura

Dr. Harry Karlinsky  
Dr. Shao Hua Lu  
Dr. Keith Marriage  
Dr. Steve Mathias  
Dr. Ren Persaud  
Dr. Raj Raina  
Dr. Ram Randhawa  
Dr. Michael Shabbits  
Dr. Kevin Solomons  
Dr. Mark Tapper  
Dr. Charlotte Waddell  
Dr. Wahan Wanis  
Dr. Leslie Wicholas  
Dr. Elizabeth Zoffmann

### ***Postgraduate Executive Committee***

#### ***Chair: Dr. Jonathan Fleming***

Dr. Susan Baer  
Dr. Allan Burgmann  
Dr. Andrea Chapman  
Dr. Diane Fredrikson  
Dr. William Honer  
Dr. Shao Hua Lu  
Dr. Steve Mathias

Dr. Keith Marriage  
Dr. Ren Persaud  
Dr. Ram Randhawa  
Dr. Kevin Solomons  
Dr. Michael Shabbits  
Dr. Leslie Wicholas

### **Selections Committee**

#### ***Chair: Dr. Jonathan Fleming***

Dr. Susan Baer  
Dr. Allan Burgmann  
Dr. Maria Corral  
Dr. Elizabeth Drance  
Dr. Cindy Holdsworth  
Dr. William Honer  
Dr. David Hutnyk  
Dr. Riho Kalda  
Dr. Andrzej Koczapski  
Dr. Keith Marriage

Dr. Ashley Miller  
Dr. Hiram Mok  
Dr. Chris Murray  
Dr. Raj Raina  
Dr. Heather Robertson  
Dr. Mike Shabbits  
Dr. Sheila Shoja  
Dr. Kevin Solomons  
Dr. Tim Yuswack  
Dr. Elisabeth Zoffmann



## Continuing Medical Education

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**Director:** Dr. Harry Karlinsky



### Committee Members

Dr. Sarv Bains (Resident representative)  
Dr. Peter Chan  
Dr. Jana Davidson  
Dr. Harry Karlinsky (Chair)  
Dr. Mike Myers  
Dr. Stephen Schertzer  
Dr. Tony Sehon

### Overview

The overall goal of the Department's Continuing Medical Education and Professional Development Program is to encourage, facilitate and promote the continuing medical education and professional development activities of the Department of Psychiatry and its Faculty.

### New Developments


These included:

- establishing an annual Department-wide Clinical Day (the first Annual Clinical Day was held June 13, 2003),
- delivering basic and advanced workshops focused on using personal digital assistants (PDAs) in psychiatry (in collaboration with the Digital Medicine Program, Faculty of Medicine, UBC),
- developing a department-wide Grand Rounds Web site. See <http://www.psychiatry.ubc.ca/profdevelop/rounds> ,
- publishing a Departmental newsletter,
- establishing a Faculty teaching recognition award in Continuing Medical Education (the winner in 2003 was Dr. Derryck Smith), and
- establishing a monthly mental health film series (in collaboration with the Pacific Cinematheque theatre). See <http://www.psychiatry.ubc.ca/cme/film/>

## **Future Directions**

All of the above activities will continue. As the monthly mental health film series has been extremely well-received, a number of derivative initiatives are now being planned, including an Annual Mental Health Film Festival. The other significant future direction will involve the development and implementation of a Department-wide 'Industry Supported CME' policy.

# Publications





## Refereed Publications

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### Basson, Rosemary

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# Research Grants & Contracts





## Research Grants

Researcher	Type	02/03	Title	Agency
Basson, R.	Clinical Trial	175,533	Lasofoxifene A2181014: A Double-Blind, Placebo-Controlled, Parallel Group Design Study of Two Doses of Lasofoxifene vs Placebo for the Treatment of Sexual Dysfunction (Arousal Disorder) in Postmenopausal Women	Pfizer Canada Inc.
Birmingham, L.	Agreement	52,000	Eating Disorders	British Columbia Mental Health Society
Carter, D.	Clinical Trial	29,052	Multicentre, double-blind, placebo-controlled study to investigate the efficacy of intermittent treatment with paroxetine 10 mg/day versus 20 mg/day in patients with premenstrual dysphoric disorder (PMDD)	SmithKline Beecham Pharma Inc. (Canada)
Clark, C.	Grant	3,000	Regional myelination in children with ADHD	Psychiatry Research Associates
Dawson, P.	Grant	4,000	Evaluation of Neurobehavioural Inventory	Laurel Foundation
El-Husseini, A.	Grant	42,935	Uncoupling of dopamine and glutamate transmission in animal models of schizophrenia	NARSAD: Young Investigator Award
El-Husseini, A.	Grant	22,000	Bluma Tischler Post Doctoral Fellowship 2003-2004	Bluma Tischler: Postdoctoral Fellowship
El-Husseini, A.	Grant	125,000	Cellular and molecular mechanisms of synapse formation	BC Knowledge Development Fund
El-Husseini, A.	Grant	125,000	Cellular and molecular mechanisms of synapse formation	CFI: New Opportunities
El-Husseini, A.	Grant	105,909	Role for postsynaptic protein complex assembly in synapse development	CIHR: Operating Grant
El-Husseini, A.	Grant	37,500	Role for Postsynaptic Protein Complex Assembly in Synapse Development	MSFHR: Establishment Grant
El-Husseini, A.	Grant	31,875	Role for Postsynaptic Protein Complex Assembly in Synapse Development	MSFHR: Career Investigator Program
El-Husseini, A.	Grant	69,364	Cellular and molecular mechanisms of synapse formation	Department of Psychiatry
El-Husseini, A.	Grant	25,000	Role for postsynaptic protein complex assembly in synapse development	MSFHR: Matching Establishment Grant
El-Husseini, A.	Grant	58,500	Role for postsynaptic protein complex assembly in synapse development	CIHR: New Investigator Award (CIHR Scholarship)
Elliott, S.	Clinical Trial	5,000	A clinical assessment of the efficacy, safety and impact on quality of life of MUSE (ALPROSTADIL) in subjects with erectile dysfunction.	Janssen-Ortho Inc.
Elliott, S.	Clinical Trial	16,713	Viagra -A multo-centre, double-blind, placebo-controlled flexible dose study to evaluate the efficacy and safety of Viagra in women who have female sexual arousal disorder resulting from traumatic spinal cord injury	Pfizer Canada Inc.
Fibiger, C.	Grant	6,732	Neurological Research	Herman Bischoff Foundation

Researcher	Type	02/03	Title	Agency
Fleming, J.	Clinical Trial	14,596	Randomized Double Blind Placebo Controlled Parallel Group Multicentre Trial Comparing the effects of orally administered Xyrem (sodium Oxybate) with Placebo in the treatment of narcolepsy.	Orphan Medical
Fleming, J.	Clinical Trial	2,249	OMC-SXB-19: Open Label, Multicentre Trial Evaluating the Effects of Orally Administered Xyrem (Sodium Oxybate)	Orphan Medical
Garland, J.	Grant	16,043	A double blind placebo controlled discontinuation of citalopram in adolescents with major depression	CIHR: Health Research Institutes
Garland, J.	Grant	1,521	Research Overhead - Garland	B.C. Children's Hospital
Garland, J.	Grant	5,900	Group Behavioral treatment program for adolescents with social phobia.	BCMSF: Research Grant
Geller, J.	Grant	53,040	Developing and validating an interview measure of readiness and motivation for change in adolescents with eating disorders	Unfunded Research
Geller, J.	Grant	25,000	Readiness and motivation for change in anorexia nervosa	BCHRF: Operating Grant
Goldner, E.	Grant	33,000	Evaluation of the quality of supported employment programs implementation in BC and of vocational outcomes of people with serious mental health problems.	MSFHR: Postdoctoral Trainee Fellowship
Goldner, E.	Grant	5,000	Development grant: Building capacity in mental health and addictions services research	CIHR/Strategic Training: Strategic Training Program Grant
Honer, W.	Grant	23,609	Stanley Scholar Mentor	NAMI/Stanley Foundation: Research Awards Program
Honer, W.	Grant	7,500	Centre for Complex Disorders	MSFHR: Research Unit Infrastructure Support Program
Honer, W.	Grant	181,714	Interactions of development, early life experience and genetic predisposition in schizophrenia	CIHR: New Emerging Team (NET)
Honer, W.	Grant	139,915	Developmental and synaptic abnormalities in schizophrenia	CIHR: Operating Grant
Honer, W.	Grant	66,000	Neural Connectivity and Mechanism of Illness in Schizophrenia	MRC: Scientist
Honer, W.	Agreement	14,423	Epidemiologic study of neural reserve and neurobiology	NIH (US): Research Grant
Honer, W.	Grant	8,820	Centre for Complex Disorders	SCBC: BC Science & Technology Infrastructure Program (STIP)
Irwin, D.	Clinical Trial	34,320	A One Year Open-Label Study Comparing Patient Outcomes and Cost-Effectiveness of Treatment Initiation with Oral Ziprasidone Hydrochloride Versus Treatment Initiation with Oral Olanzapine in Patient with Schizophrenia or Schizoaffective Disor	Pfizer Canada Inc.
Karlinsky, H.	Agreement	57,350	Workplace injury management: using new technology to deliver physician education	Workers' Compensation Board of British Columbia

Researcher	Type	02/03	Title	Agency
Koch, W.	Grant	39,000	Domestic violence victims' appraisals of future risk: The impact of trauma symptoms on the accuracy of risk appraisals and safety planning	MSFHR: Postdoctoral Trainee Fellowship
Lam, R.	Grant	29,276	Seasonality, depression, and immune function	CIHR: Operating Grant
Lam, R.	Grant	41,500	Clinical trial networks for treatment of seasonal depression and depression in primary care	CIHR: Postdoctoral Fellowship
Lam, R.	Grant	653	Developing Canadian Treatment Guidelines for Seasonal Affective Disorder	Psych. Univers. Klinik/Rechnungswesen
Lam, R.	Grant	15,000	Investigator Initiated: Double-Blind Pilot Trial to Evaluate Efficacy Trends and Safety of Risperidone and Olanzapine as Add-On Therapy to Serotonin Type Antidepressants in Subjects with Treatment Resistant Depression (TRD)	Janssen-Ortho Inc.
Lam, R.	Clinical Trial	43,720	CL3-20098-037-INT Efficacy & sfty of S-20098(25mg) in the prevention of recurrence, in pts with season affective disorder, treated once a day for 1 yr after an open prd of at least 18wks. Randomized, double blind, placebo-control paralel grp	Servier Canada
Lam, R.	Clinical Trial	33,963	Protocol CL3-20098-024 Efficacy and safety of S-20098 given orally once a day for 6 weeks in pts with major depressive disorder. Confirmation of the efficacy of the S-20098 50mg dosage. A randomized, double blind, placebo controlled paras	Servier Canada
Lam, R.	Clinical Trial	119,523	A Double-Blind, Placebo-Controlled, Multicentre Study of the Long-Term Efficacy of MK-0869 in the Maintenance of Antidepressant Effect in Patients with Major Depressive Disorder.	Merck Frosst Canada Inc.
Lam, R.	Clinical Trial	25,156	H6P-MC-HDAO: The Study of Olanzapine plus Fluoxetine in Combination for Treatment-Resistant Depression Without Psychotic Features	Eli Lilly Canada Inc.
Lam, R.	Grant	73,160	A multicentre randomized controlled trial of light therapy versus antidepressants for seasonal affective disorder (SAD)	MRC: Clinical Trials
Lam, R.	Clinical Trial	18,092	BN16568A: RO 67-5930 In Major Depressive Disorder: A Placebo and Paroxetine Controlled Study of Efficacy and Safety	Hoffmann-La Roche Ltd (Canada)
Lecomte, T.	Grant	2,800	Psychosocial rehabilitation for people with serious mental illness	Royal Victoria Hospital
Lecomte, T.	Grant	34,125	Traitment des symptomes psychotiques chez des jeunes presentant un premier episode de schizophrenia: Comparaison de deux interventions de pointe	CIHR: New Investigator Award (CIHR Scholarship)
Lecomte, T.	Grant	25,000	Treating psychotic symptoms of young individuals presenting a first episode of schizophrenia: comparing two state of the art interventions.	CIHR: Operating Grant

Researcher	Type	02/03	Title	Agency
Liddle, P.	Grant	40,330	A study of distributed cerebral activity in schizophrenia	MRC: Operating Grant
McGeer, E.	Grant	99,397	Neurotoxic effects of inflammatory cytokines in vitro	ASC: Research Grant
McGeer, P.	Grant	42,000	The Stewart Fund Portion of McGeer Research Fund	Pacific Parkinson's Research Institute
McGeer, P.	Grant	23,020	Peptide inhibitors of complement self-attack	CIHR: Operating Grant
McGeer, P.	Grant	97,675	Relationship of inflammatory cytokine polymorphisms to alzheimer disease pathology	ASC: Research Grant
McLean, P.	Grant	119,506	A new cognitive behavioral therapy to target distorted appraisals characteristic of primary obsessions in obsessive compulsive disorder	CIHR: Operating Grant
Misri, S.	Grant	2,459	Research Overhead - Misri	B.C. Children's Hospital
Misri, S.	Clinical Trial	133,986	Treatment with SSRIs and CBT in postpartum depressed and anxious mothers and the impact on mother-infant interaction infant development	Glaxo Wellcome Inc. (NOW GLAXOSMITHKLINE)
Misri, S.	Clinical Trial	27,981	Open-label Reboxetine Continuation Therapy	Pharmacia & Upjohn Inc
Misri, S.	Clinical Trial	26,393	A 6-1/2 month, multicentre, randomized, double-blind, placebo-controlled comparison of 300mg/day of extended-release Bupropion Hydrochloride and placebo for the prevention of seasonal affective disorder in subjects with a history of seasona	GlaxoSmithKline
Misri, S.	Clinical Trial	131,583	The long-term effects of prenatal exposure to SSRI medications on early childhood development and maternal mental health	Glaxo Wellcome Inc. (NOW GLAXOSMITHKLINE)
Murphy, T.	Grant	70,200	Imaging the action of synaptic transmission from the synapse to the nucleus	MRC: Scientist
Murphy, T.	Grant	96,252	Imaging the action of synaptic transmission from the synapse to the nucleus	MRC: Operating Grant
Murphy, T.	Grant	42,500	Oxidative stress in ischemic cell death	NCE/Canadian Stroke Network: Research
Murphy, T.	Grant	79,960	Role of cystine transport by the XCT protein in maintaining the brain antioxidant glutathione	H&SFBC: Research
Murphy, T.	Grant	1,000	Insight into postsynaptic dendritic development as a strategy to promote functional recovery after trauma	Rick Hansen Inst: Fellowship & Studentship Awards
Murphy, T.	Grant	1,000	Role of cystine transport by the xCT protein in maintaining the bain antioxidant glutathione	Rick Hansen Inst: Fellowship & Studentship Awards
Murphy, T.	Grant	112,997	Calcium dependent control of CNS synapse development and NMDA receptor function	CIHR: Operating Grant

Researcher	Type	02/03	Title	Agency
Murphy, T.	Grant	2,500	Role of cystine transport by the xCT protein in maintaining the brain antioxidant glutathione	MSFHR: Research Trainee Award
Murphy, T.	Grant	30,000	Development and regulation of individual mammalian CNS synapses	MSFHR: Senior Scholar Award
Murphy, T.	Grant	72,835	2-photon scanning microscope	Coherent Laser Group
Ngan, E.	Grant	2,500	Effects of amphetamine challenge on working memory in schizophrenia: A fMRI study	MSFHR: Research Trainee Award
Ogrodniczuk, J.	Grant	6,425	Predicting success of day treatment for personality disorders: A prospective study	CIHR: Operating Grant
Phillips, A.	Grant	41,500	CIHR Postdoctoral Fellowship - Karen Brebner	CIHR: Postdoctoral Fellowship
Phillips, A.	Grant	500	Limbic modulation of dopamine efflux in the prefrontal cortex and ventral striatum: an animal model of schizophrenia	CIHR/K.M. Hunter Charitable Fdn: Doctoral Research Award
Phillips, A.	Grant	69,288	Central Amygdala Circuits in Cocaine Self-Administration	NIH: National Research Service Award - PD Fellowship
Phillips, A.	Grant	90,752	Dopamine and incentive motivation: links to addiction and compulsive behaviour	CIHR: Operating Grant
Phillips, A.	Grant	83,833	Dopamine glutamate and binge-abstinence-relapse cycles of psychostimulant abuse	CIHR: Operating Grant
Piper, W.	Grant	101,887	Group composition and group therapy for complicated grief	CIHR: Operating Grant
Psychiatry - Neuro, Head (VCHRI)	Grant	14,139	VGH/UBCH Foundation Funding to Psychiatry Research	VGH & UBC Hospital Foundation
Raymond, L.	Grant	400	MRC Studentship	MRC: Studentship
Raymond, L.	Grant	47,910	Calcium-dependent modulation of NMDA receptors	H&SFBC: Research
Raymond, L.	Grant	2,853	Role of subtype-specific NMDA receptor-mediated neuronal death in pathogenesis of HD	Huntington's Disease Society: Research
Raymond, L.	Grant	3,998	Regulation of NMDA receptor function by mutant huntingtin in neostriatal neurons	Hereditary Disease Fdn US: Post-doctoral Fellowship
Raymond, L.	Grant	97,110	Modulation of NMDA receptors by mutant huntingtin in a transgenic mouse model of Huntington's disease	CIHR: Operating Grant
Raymond, L.	Grant	34,125	Effect of calcium, subunit composition, and intracellular proteins on regulation of nmda receptor function	CIHR: Investigator Award (CIHR Scientist)
Raymond, L.	Grant	500	Mechanisms of modulation of NMDA receptors by mutant Huntingtin	CIHR: Doctoral Research Awards
Remick, R.	Clinical Trial	5,200	A double-blind, placebo-controlled comparative efficacy study of venlafaxine ER and sertraline in producing remission in outpatients with major depressive disorder	Wyeth-Ayerst Canada Inc

Researcher	Type	02/03	Title	Agency
Robinow, O.	Clinical Trial	19,900	01090600B5-353-CA: Double-Blind, Placebo-Controlled, Parallel-Group, Flexible-Dose Study of Venlafaxine Extended-Release Capsules in Adult Outpatients with Panic Disorder.	Wyeth-Ayerst/MRC: Clinical Research Chairs in Women's Health
Roskams, J.	Grant	274,814	The role of caspases in olfactory neuron apoptosis	NIH (US): Research Grant
Roskams, J.	Grant	355	Research Overhead - Roskams	B.C. Children's Hospital
Roskams, J.	Grant	2,438	New Investigator - Salary Support	CIHR: New Investigator Award (CIHR Scholarship)
Smith, G.	Agreement	183,454	Changes in the incidence of schizophrenia in British Columbia between 1895 and 1950	Stanley Medical Research Institute
Solomons, K.	Grant	50,000	The Autobiographical Memory Examination: A New Screening Tool for Cognitive Impairment	Pfizer Canada Inc.
Song, C.	Grant	22,000	A new discovery of mechanism and drug treatment	Heighway Fund: Research
Song, C.	Grant	27,500	An investigation of the effect of omega 3 and omega 6 fatty acids on the interaction between the central nervous system and immune system in animal models of depression and Alzheimer's disease (salary)	CIHR University-Industry: New Investigator
Song, C.	Contract	23,322	In Vivo Drug Interaction Study with Nemifitide in Rats	Innapharma
Song, C.	Grant	80,000	An investigation of the effect of omega 3 and omega 6 fatty acids on the interaction between the central nervous system and immune system in animal models of depression and Alzheimer's disease	Laxdale Ltd.
Song, C.	Grant	26,000	An investigation of the effect of omega 3 and omega 6 fatty acids on the interaction between the central nervous system and immune system in animal models of depression and Alzheimer's disease	CIHR University-Industry: Operating Grant
Song, W.	Grant	40,000	Annual report for Provincial Research Fellows	BCASI: Research Fellowship Program
Song, W.	Grant	160,000	Assistant professor in molecular mechanisms of neurodegeneration	CFI: New Opportunities
Song, W.	Grant	80,000	Assistant professor in molecular mechanisms of neurodegeneration	UBC Vice President for Research
Song, W.	Grant	10,000	Molecular and cellular mechanism in AD pathogenesis	Dean of Medicine
Song, W.	Grant	160,000	Assistant professor in molecular mechanisms of neurodegeneration	BC Knowledge Development Fund
Song, W.	Grant	83,333	Canada Research Chair in Alzheimer's disease for Dr. Weihong Song	Canada Research Chair Tier II (CIHR)
Song, W.	Grant	80,000	Regulation of BACE by Presenilins and the pathogenesis of Alzheimer's Disease.	CIHR: Operating Grant

Researcher	Type	02/03	Title	Agency
Stevenson, R.	Clinical Trial	60,905	Protocol 511.69: A Twelve-Week Randomized, Double-Blind, Placebo-Controlled, Efficacy and Safety Trial of Flibanserin in Female Patients with Hypoactive Sexual Desire Disorder in Canada	Boehringer Ingelheim (Canada) Ltd.
Vincent, S.	Grant	20,000	Targets of NO-cGMP signal transduction in the nervous system.	VPR Research Development Fund
Vincent, S.	Grant	12,500	Oxidative stress in ischemic cell death	NCE/Canadian Stroke Network: Research
Vincent, S.	Grant	156,250	MSFHR Training program in neurobiology and behaviour	Michael Smith Foundation for Health Research
Vincent, S.	Grant	225,000	CIHR training program in neurobiology and behaviour	CIHR: Strategic Training Initiatives in Health Research
Vincent, S.	Grant	102,382	Ring finger proteins, ubiquitinylation and neural function	CIHR: Operating Grant
Waddell, C.	Agreement	103,560	Children's Mental Health: Preventing Disorders and Promoting Population Health in Canada	CIHI: Canadian Population Health Initiative
Waddell, C.	Grant	37,500	Children's mental health: linking policy, research and practice	MSFHR: Establishment Grant
Waddell, C.	Grant	80,000	Children's mental health: linking policy, research and practice.	MSFHR: Career Investigator Program
Waddell, C.	Agreement	56,800	HELP: Children's mental health and development: integrating research evidence and policy making	BC Ministry of Children and Family Development
Weiss, M.	Grant	56,922	Weiss - Overhead	B.C. Children's Hospital
Weiss, M.	Clinical Trial	4,307	Long-term, open-label safety study of Tomoxetine HCl in adult outpatients w/DSM-IV ADHD	Eli Lilly Canada Inc.
Weiss, M.	Clinical Trial	24,291	A 16 week double-blind, placebo controlled study to investigate the efficacy and tolerability of Paroxetine in the treatment of children and adolescents with social anxiety disorder/social phobia (Modification No. 1,22 Sep 1999)	SmithKline Beecham
Weiss, M.	Clinical Trial	6,791	SmithKline-Trial of Paxil-Vancouver Site	SmithKline Beecham
Weiss, M.	Clinical Trial	8,449	SmithKline/Trial of Paxil-Administration	SmithKline Beecham
Weiss, M.	Grant	30,000	A Generalized Anxiety Disorder (GAD) Outcome Measure for Children and Adults	GlaxoSmithKline
Weiss, M.	Clinical Trial	111,350	A randomized, double-blind, cross-over comparison of the safety and efficacy of controlled-release methylphenidate and immediate-release methylphenidate for ADHD	Purdue Pharma
Weiss, M.	Grant	75,740	Melatonin treatment of delayed sleep onset in children (6 to 14 years) with attention-deficit hyperactivity disorder (ADHD)	Circa Dia BV
Weiss, M.	Grant	56,500	BCRICWH Investigatorship Award - Dr. Margaret Weiss	BCRICWH: Investigatorship Award

Researcher	Type	02/03	Title	Agency
Weiss, M.	Clinical Trial	179,025	A phase 4, double-blind, placebo-controlled trial of atomoxetine hydrochloride to evaluate efficacy in the school setting in children ages 8-12 years with ADHD	Eli Lilly Canada Inc.
Yatham, L.	Agreement	25,000	Atypical Antipsychotics for Continuation and Maintenance Treatment after an Acute Manic Episode	Eli Lilly Canada Inc.
Yatham, L.	Grant	25,000	Canadian bipolar consortium	Eli Lilly Canada Inc.
Yatham, L.	Grant	100,000	Atypical antipsychotics for continuation and maintenance treatment after an acute manic episode	Janssen-Ortho Inc.
Yatham, L.	Grant	208,570	Atypical antipsychotics for continuation and maintenance treatment after an acute manic episode	CIHR: Randomized Controlled Trials (Clinical Trials)
Yatham, L.	Grant	131,610	Positron emission tomography studies of brain dopamine levels and release in bipolar disorder	CIHR: Operating Grant
Yatham, L.	Clinical Trial	8,587	An International, Multicentre, Double-blind, Randomized, Placebo-controlled Trial of the safety and Efficacy of Seroquel (Quetiapine Fumate) as Add-on Therapy with Lithium or Divalproex in the treatment of Acute Mania.	AstraZeneca Canada Inc
Yatham, L.	Grant	100,000	Neurobiological and Treatment Studies in Mood Disorders	MSFHR: Senior Scholar Award
Yatham, L.	Agreement	232,894	A double-blind, placebo-controlled study of calcitonin in acute refract mania	Stanley Medical Research Institute
Yatham, L.	Grant	32,116	Health Outcomes and Patient Evaluation in Bipolar Disorder HOPE.BD	Brain Research & Education Int'l Inc.
Zis, A.	Grant	25,436	ECT in Parkinson's disease: A clinical and imaging study	MRC: Group Grant
<b>TOTAL</b>		<b>7,603,176</b>		

## Contracts

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<b>Recipient</b>	<b>02/03 (Annualized)</b>	<b>Services</b>	<b>Sponsor</b>
MHECCU	2,300,000	Core contract - Research, addictions, evaluation, education, training and outreach	Ministry of Health Services
MHECCU	10,000	Outreach - Adults	Interior Health Authority
MHECCU	147,000	Child Psychiatric Provincial Consultant to MCFD	Ministry of Children & Family Development
MHECCU	145,000	Outreach – Child & Youth	Ministry of Children & Family Development
MHECCU	107,000	Suicide Prevention	Ministry of Children & Family Development
MHECCU	1,500,000	Integrating Primary Care: Substance Abuse and Concurrent Disorders	Health Canada/ primary Health Transition Fund – awarded to partnership with BC and Yukon Primary Health Care Ministries
<b>TOTAL</b>	<b>4,209,000</b>		