

Department of Human Genetics Annual Report, 2005-2006

Section I – Objectives

The Department of Human Genetics is both a basic science and a clinical department in the Faculty of Medicine at McGill. It has the dual challenge of promoting excellence in research and teaching in the basic science of human genetics and also a similar challenge for excellence in professional training and patient care. As part of its mission, the department is responsible for the training of basic scientists in the area of human genetics and also the training of genetic counsellors, medical students, and medical specialists in the various clinical areas of medical genetics. The concepts of genomics, proteomics, and metabolomics are at the frontier of modern biology and medicine. Our department is charged with the mission to translate this scientific advancement to the training of health care professionals and to patient care.

Section II – Highlights

The residency in Medical Genetics offers accreditation both by the Royal College of Physicians and Surgeons of Canada and by the Canadian College of Medical Geneticists. In 2005-2006 both programs successfully underwent accreditation review. Dr. Vazken Der Kaloustian, who is the Director of the Training Program in Medical Genetics for the department deserves special commendation. He has done an excellent job in preparing for the various accreditation processes. McGill now has one of the largest cohorts of residents training in Medical Genetics in Canada. Because of the aging of the existing medical geneticists in Quebec and because of the severe shortage in medical geneticists across North America, it is essential that this training program be allowed to continue to grow.

The Department is in the process of recruiting a number of excellent young faculty members.

Dr. Deborah Bartholdi is a medical geneticist from Zurich, Switzerland, with extensive clinical and research training in neurology and medical genetics. She will add to our existing strength in neurogenetics and will work at both the Montreal Children's Hospital and Montreal Neurological Hospital sites of the McGill University Health Centre.

Dr. Nancy Braverman is a medical geneticist at Johns Hopkins University and an expert in biochemical genetics. She adds to the excellent tradition in biochemical genetics at McGill. Her research interest is in peroxisomal disease.

The number of variety of graduate students has continued to expand, and stands at 96 students. To accommodate the large number of students and their varied needs, the curriculum of graduate course has been expanded (see B. Teaching below). This year we offered two 'theme courses' (HGEN 670, 671– Advances in Human Genetics I, and II). Each course has three themes lead by three different coordinators. Students receive readings and are expected to do presentations and be involved in discussion.

The third **Scriver Family Visiting Professor** was Dr. Michael Hayden. World-renowned Dr. Hayden and his research group have identified 10 disease-causing genes. He has played a critical role in the development of predictive testing for Huntington Disease. The evening focused on risks of neurological disease associated with aging, and the Alzheimer, Tay-Sachs and Huntington diseases, as well as the relationships between genes and those impairing brain function. The visit consisted of medical grand rounds during the day, and an evening public forum which can be viewed on the departmental website: www.mcgill.ca/humangenetics.

Section III – Planning and Performance

A. Undergraduate student admissions

The Department of Human Genetics is not directly responsible for the recruitment of undergraduate students. The basic science aspect of the Department evolved out of the Human Genetics Section of the Department of Biology in the Faculty of Science. To this day, undergraduate courses in Human Genetics are given by faculty of the Department of

Human Genetics through the umbrella of the Biology Department and the courses have Biology course numbers. Negotiations are underway with the Biology Department to establish a minor in Human Genetics at the undergraduate level. This project has been given to the Curriculum committee of the Department of Human Genetics for implementation.

B. Teaching

The graduate program in Human Genetics is directly accountable to our department. The curriculum committee has been extremely active and has developed new courses in cancer genetics, host resistance to infection, psychiatry genetics, microarrays, bioinformatics and a human genetics core course that is obligatory for all graduate students. (Teaching, Appendix I, page 7)

C. Student Retention

As of May 2006, there were 96 graduate students registered in the Department with 41 in M.Sc. programs, 8 in the M.Sc. in Genetic Counselling Program and 47 in the Ph.D. program. Our graduate program officially began in September 1999; to date 68 students have graduated. In Fall 2005, 17 students graduated with the M.Sc.; 3 Ph.D.; 10 M.Sc. students graduated in May 2006. In the coming academic year, we anticipate enrolling 15-20 graduate students in Human Genetics in September 2006. (Graduate Students, Appendix II, page 15).

D. Research

The research productivity of the department has been truly outstanding both in terms of the number and the variety of grants obtained (see Research Operating Funds, Appendix III, page 18). Many of our investigators have funding from multiple sources, reflecting the increasing costs of modern research programs. The range of expertise includes bioinformatics, bioethics, cancer genetics, cytogenetics, developmental genetics,

epigenetics, the genetics of mendelian and complex diseases, genomics, host resistance to infection, musculoskeletal genetics, neurogenetics, population genetics, psychiatric genetics, reproductive genetics, and renal genetics. In many of these areas our faculty members are acknowledged world leaders. Our productivity is enhanced by a culture of collaboration that has existed among human geneticists at McGill for many years.

E. Academic Staff

Publications of Faculty Members can be found on the departmental home page, www.mcgill.ca/humangenetics under Faculty and staff (also attached after appendices, page 31). A list of Committees and Faculty is attached as Appendix IV, page 24).

Section IV – Evaluation of performance pertaining to objectives

The primary objective of our department is to unify basic science and clinical teaching and research at McGill in the areas of Human and Medical Genetics. Aside from an administrative office in the Stewart Biology Building, our department does not occupy any McGill space. In addition the department has only two excellent administrative support staff. Virtually all our faculty is located at one or another of the hospital research institutes. Because of the morass of regulations that relate to McGill appointments at these institutes, each new recruit is an exercise in diplomacy. Almost all our recruits end up having cross appointments in other departments mainly to accommodate their space needs. Despite the difficulties, we have been successful in recruiting new faculty over the past number of years. This year we have been particularly successful with three excellent recruits.

Over the past few years, our academic staff has been extremely visible, winning prized awards out of proportion to our numbers. In particular **Rima Rozen, Ph.D.** and **Eric Shoubridge, Ph.D.** hold James McGill Professorships and **Thomas Hudson, M.D.**, **William Foulkes, M.B., Ph.D.**, **Danielle Malo, D.V.M., Ph.D.**, and **Jacquetta Trasler, M.D., Ph.D.** hold William Dawson Scholar Awards. **Silvia Vidal, Ph.D.** and **Jacek**

Majewski, Ph.D. hold Canada Research Chairs. See Honours and Awards, Appendix V, page 31.

On the clinical side, as noted above, the Department of Human Genetics has responsibility for the teaching of Medical Genetics to undergraduate medical students and for residency training in Medical Genetics. McGill has training programs that are certified by the Royal College of Physicians and Surgeons of Canada (RCPSC) and by the Canadian College of Medical Geneticists (CCMG). In addition, the M.Sc. program in Genetic Counselling is certified by the American Board of Genetic Counsellors (ABGC).

There are 7 medical genetics residents in the RCPSC training program, 1 in the CCMG molecular training program and 1 in the CCMG cytogenetics training program. Dr. Mary Ann Thomas extended her training in the McGill Cytogenetics program following her successful completion of her Medical Genetics Residency Program. She has taken up a faculty position at the University of Calgary. We congratulate Dr. Fatma Bastaki who successfully completed her medical genetics training and has returned to a hospital position in Dubai. In the past year, Dr. Mary Ann Thomas, Dr. Chantal Morel and Dr. Fatma Bastaki successfully passed the examination in Medical Genetics of the Royal College of Physicians and Surgeons. The Medical Genetics Residency program will have two new residents starting July 1, 2006. One matched through the CaRMS system and one foreign graduate from Oman. The CCMG program will have 1 trainee in clinical genetics starting July 1, 2006.

There are 8 M.Sc. Genetic Counselling students in the ABGC accredited M.Sc. in Genetic Counselling training program.

It should be noted that much of the teaching in the professional programs is done by faculty members, who are primary employees of the teaching hospitals, or by physicians with heavy clinical responsibilities. They give generously of their time and energy to ensure the high quality of our programs. Despite their best efforts, there is a need of further investment by McGill in staff to administer these programs. This year we have

appointed Ms. Jennifer Fitzpatrick to FTE (from ½ time) as Program Director for the M.Sc. in Genetic Counselling program.

As mentioned in our last two reports, there still remain major problems in the structure of the clinical programs. The MUHC has created a Medical Genetics Program on paper but even after several years, no program director has been chosen. A new search committee has been struck to select a Director of the MUHC program. It is hoped that the decision will be made during the summer of 2006.

As mentioned last year, the Jewish General Hospital created a Department of Medical Genetics within the hospital. Dr. David Rosenblatt, Chair of the University Department was named in 2005-2006 as the permanent head.

The Department of Human Genetics at McGill is one of the premier departments in this area in the world. Despite the difficulties in navigating a very difficult organizational system, the cohesion and dedication of our faculty and administrative staff has allowed us to maintain our excellence.

APPENDIX I
TEACHING RESPONSIBLES – DEPARTMENT OF HUMAN
GENETICS - 2005-2006

Graduate Studies in Human Genetics

M.Sc. in Genetic Counselling: (Program Director: Jennifer Fitzpatrick, M.S.)

HGEN 600D/1, D/2	<u>Genetic Counselling Practicum</u> Bolduc, N. Cartier, L. Chiu, S-M. Drury, S. Duncan, A. Fitzpatrick, J. (coordinator) Fox, S. Palma, L. Secord, A. Wong, N. Zaor, S.
HGEN 610	<u>Independent Studies Project</u> Staff
HGEN 611	<u>Independent Studies Project</u> Staff
HGEN 620D/1,D/2	<u>Introductory Field Work – clinical rotations</u> Bolduc, N. Cartier, L. Chiu, S-M. Der Kaloustian, Vazken Duncan, A. Drury, S. Fitzpatrick, J. (coordinator) Fox, S. Foulkes, W. Melançon, S. Palma, L. Rosenblatt, D. Russell, L. Sriver, C.R. Secord, A. Tischkowitz, M.
HGEN 630D/1, D/2	<u>Advanced Field Work – clinical rotations</u> Bolduc, N. Cartier, L. Chiu, S-M. Der Kaloustian, Vazken Duncan, A. Drury, S.

Fitzpatrick, J. (coordinator)
Fox, S.
Foulkes, W.
Melançon, S.
Palma, L.
Rosenblatt, D.
Russell, L.
Scriver, C.R.
Secord, A.
Tischkowitz, M.

HGEN 640	<u>Clinical Genetics I</u> J. Fitzpatrick, coordinator Ad hoc lectures, case presentations, journal clubs – Staff.
HGEN 641	<u>Clinical Genetics II</u> J. Fitzpatrick, coordinator Ad hoc lectures, case presentations, journal clubs – Staff.
HGEN 650	<u>Genetic Counselling Principles</u> Fitzpatrick, J. (coordinator and lecturer) Bolduc, N. Cartier, L. Chiu, S-M. Drury, S. Fox, S. Palma, L. Secord, A. Wong, N.

M.Sc./Ph.D. Program in Human Genetics

*(Graduate Training Committee: Chair: Eric Shoubridge, Ph.D.,
Members: Ken Dewar, Ph.D., Jamie Engert, Ph.D., Indra Gupta, M.D.,
Danuta Radzioch, Ph.D., Benoit St-Jacques, Ph.D., Patricia Tonin, Ph.D.,
Elected Graduate Student)*

HGEN 662	<u>Laboratory Techniques</u> Supervisors of M.Sc. students
HGEN 670	<u>Advances in Human Genetics (Theme course)</u> Nadon, R. (10 hours) Haston, C. (10 hours) Peterson, A. (10 hours)
HGEN 671	<u>Advances in Human Genetics (Theme course)</u> Majewski, J. (10 hours) Jerome-Majewska, L. (10 hours) Tischkowitz, M. (10 hours)
HGEN 680, 681, 682	<u>M.Sc. Research Thesis I, II, III</u>

Supervisors of M.Sc. students

HGEN 693 Using Bioinformatics Resources
Dewer, K. (36 hours)

*(Curriculum Committee Chair: Patricia Tonin, Ph.D.
Members: Mary Fujiwara, M.S., Danielle Malo, DVM, Ph.D.,
Robert Nadon, Ph.D., Aimee Ryan, Ph.D., Benoit St. Jacques, Ph.D.)*

Other Departments – Joint courses

EXPM 692 Advanced Techniques in Molecular Genetics
(jointly given by Experimental Medicine and
the Department of Human Genetics)
Cournoyer, D.
Hudson, T.
Malo, D. (co-coordinator)
Morgan, K.
Radzioch, D. (co-coordinator)
Schurr, E.

PATH 653 Cytogenetics
(jointly given by Pathology and Human Genetics)
Duncan, A. (36 hours)

Medical Genetics Resident and CCMG Fellowship Training in the various divisions of Medical Genetics of the MUHC and JGH

*Program Director: Vazken Der Kaloustian, M.D.
Fellowship Committee Members: Eva Andermann, M.D., Ph.D., Alessandra Duncan, Ph.D.,
William Foulkes, M.D., Ph.D., Francis Glorieux, M.D., Ph.D., Serge Melançon, M.D., Laura
Russell, M.D., Patrick Soctt, Ph.D., Marc Tischkowitz, M.D., Ph.D., Nicholas Ah Mew, Chief
Resident.*

Friday Lecture and Seminar Series

Staff in the Department of Human Genetics
Invited lecturers (see attached)

Rotation Supervisors (clinical and laboratory)

Medical and Biochemical Genetics at MCH site

Melançon, S. , Division Director
Der Kaloustian, V.
Russell, L.
Sriver, C.R.
(Genetic Counsellors)

Cytogenetics Laboratory at the MCH site

Duncan, A., Director

Molecular Laboratory at the MCH site

Scott, P. , Director
Chong, G. (JGH)
Gilfix, B. (RVH site)

Rosenblatt, D. (MGH site)

Prenatal Diagnosis Unit at the MCH site and JGH

Rosenblatt, D. (Director)
Tischkowitz, M.
(Genetic Counsellors)

Cancer Genetics at the MGH site and JGH

Rosenblatt, D. (Division Director/Head)
Foulkes, W. (Director of Program in Cancer of Genetics)
Tischkowitz, M.
(Genetic Counsellors)

Neurogenetics at the MNI site

Andermann, E. (Director)

Faculty of Medicine

Unit 1: Kaplan, F. (Genetics coordinator; lecturer 8 hours)

Small Group (2 hours)

Fujiwara, M. (coordinator)
Ah Mew, N.
Australie, K.
Campeau, P.
Duncan, A.
Engert, J.
Foulkes, W.
Morgan, K.
Palmour, R.
Rosenblatt, D.
Ryan, A.
Roslin, N.
St-Jacques, B.
Thomas, M.A.

Unit 8: Kaplan, F. (Genetics coordinator)

Rosenblatt, D.	Roughly, P.
Fitzpatrick, F.	Foulkes, W.
Genest, J.	Polychronakos, C.
Der Kaloustian, V.	Shoubridge, E.
Palmour, R.	Galipeau, J.

Small Groups (4 small groups – 2 hours each)

Der Kaloustian, V.	Shoubridge, E.
Thomas, M.A.	Rozen, R.
Rosenblatt, D.S.	Foulkes, W.
Dewar, K.	Tonin, P.
Palmour, R.	St-Jacques, B.
Trasler, J.	Engert, J.
Ah Mew, A.	Campeau, P.

Small Groups (PND - 2 hours)

Cartier, L.	Duncan, A.
Fitzpatrick, J.	Rosenblatt, D.S.
Drury, S.	Chiu, S-M.
Bolduc, N.	Palmour, R.
Russell, L.	Lalous, M.
Palma, L.	Fox, S.
Ah Mew, N.	Campeau, P.
Secord, A.	

*Medical Curriculum Committee: Chair: Feige Kaplan, Ph.D., Members:
Vazken Der Kaloustian, M.D., Jennifer Fitzpatrick, M.S.,
William Foulkes, M.D., Roberta Palmour, Ph.D.*

Undergraduate courses coordinated and taught by Human Genetics Faculty in the Department of Biology

BIOL 370	<u>Human Genetics Applied</u> Palmour, R. (Coordinator, lecturer 17 hours) Sriver, C.R. (7 hours) Engert, J. (4.5 hours) Ryan, A. (3 hours) Cartier, L. (1.5 hours) Cournoyer, D. (1.5 hours) Dewar, K. (1.5 hours)
BIOL 568	<u>Topics on the Human Genome</u> Rozen, R. (Coordinator, lecturer 4.5 hours) Rosenblatt, D. (3 hours) Kaplan, F. (4.5 hours) Shoubridge, E. (3 hours) Tonin, P. (3 hours) Hudson, T. (3 hours) Malo, D. (4.5 hours) Duncan, A. (4.5 hours) Trasler, J. (3 hours) Haston, C. (3 hours)
BIOL 575	<u>Human Biochemical Genetics</u> Rosenblatt, D. (Coordinator, lecturer 6 hours) Sriver, C.R. (4.5 hours) Genest, J. (4.5 hours) Beitel, L. (6 hours) Roughley, P. (6 hours) Karaplis, A. (4.5 hours)

FRIDAY LECTURE AND SEMINAR SERIES		
1 July, 2005 - 30 June 2006		
10:15-11:15 am		
C-417 Lecture Room		
or		
Genetics Library – 7 th floor - A wing		
July 1, 2005	Canada Day	
July 8, 2005	The Genodermatoses II – Disorders of Hypopigmentation	Miriam Hakim
July 15, 2005	Genetic Leukodystrophies	Teresa Rudkin
July 22, 2005	Fatty Acid Oxidation Disorders	Nicholas Ah Mew
July 29, 2005	Slide Show - I	Vazken Der Kaloustian
August 5, 2005	Gene Structure and Function: An Update	Patricia Tonin
August 12, 2005	Physical Examination – I	Vazken Der Kaloustian
August 19, 2005	Fibroblast Growth Factor Receptors and their disorders	Fatma Bastaki
August 26, 2005	Physical Examination and Slide Show - II	Vazken Der Kaloustian
September 2, 2005	Approach to the child with dysmorphism	Laura Russell
September 9, 2005	Vignettes in Cytogenetics: who will be picked?	Alessandra Duncan
September 16, 2005	Pathology- Cytogenetics Review Contest	Miriam Blumenkrantz
September 23, 2005	Population Screening: An Update + Written sham exam	Charles Scriver
September 30, 2005	CCMG and CAGC meetings	
October 7, 2005	Reproductive Technologies: An Update	Nathalie Bolduc
October 14, 2005	Genetic Jeopardy	Teresa Rudkin
October 21, 2005	International BRCA conference - Montreal	
October 28, 2005	ASHG meetings	
November 4, 2005	Osteogenesis Imperfecta: A Broader View	Peter Roughley
November 11, 2005	Approach to the child with mental retardation	Laura Russell
November 18, 2005	Unit 8	
November 25, 2005	Practice OSCE – Ottawa – Tentative date	
December 2, 2005	Unit 8	
December 9, 2005	Fanconi Anemia and the geneticist	Marc Tischkowitz
December 16, 2005	What's new in cancer genetics?	William Foulkes
December 23, 2005	Holiday	
December 30, 2005	Christmas Holidays	
January 6, 2006	Geneium (Genetics/Cranium)	Nicholas Ah Mew
January 13, 2006	The PAH locus – Networks and a phenome	Charles Scriver
January 20, 2006	CGH array? Tell me more about it	Mary Ann Thomas
January 27, 2006	Treatment of Metabolic Disorders – I – How far have we come?	John Mitchell
February 3, 2006	Genetics of Autism	Laura Russell
February 10, 2006	Neurofibromatosis 1: an update	June Ortenberg
February 17, 2006	Treatment of Metabolic Disorders – II – Enzyme replacement therapy	John Mitchell
February 24, 2006 – 8:00 am	The Clinical Implications of the HapMap Project	Thomas Hudson
March 3, 2006	The Mucopolysaccharidoses	Serge Melançon

Human Genetics Annual Report, 2005-2006

March 10, 2006	The Neonatal Screening Program In Quebec	Pierre Allard
March 17, 2006	Practice OSCE – Montreal – Tentative date	
March 24, 2006	Approach to Lactic Acidemias	Nicholas Ah Mew
March 31, 2006	Connective Tissue Disorders: Ehlers-Danlos syndromes	Peter Roughley
April 7, 2006	<u>AMGO Annual Meetings</u>	
April 14, 2006	Good Friday	
April 21, 2006 – 10:45	Slide Show - III	Laura Russell
April 28, 2006	The Mitochondria And Their Disorders: An Update	Eric Shoubridge
May 5, 2006	Chromosome Breakage Syndromes and DNA Repair	Marc Tischkowitz
May 12, 2006	Garrod Meetings	
<u>May 19, 2006</u>	The Potentials and the Achievements	Sui Mei Chiu, Jennifer Fitzpatrick
<u>May 26, 2006 – 10:45</u>	<u>Childhood Dyslipidemias</u>	<u>Preetha Krishnamurthi</u>
June 2, 2006 – E 303	<u>The Inherited Skeletal Dysplasias</u>	<u>Sigrid Jequier</u>
June 9, 2006	The Peroxisomal Disorders	Serge Melançon
June 16, 2006		Philippe Campeau
June 23, 2006		Nicholas Ah Mew
June 30, 2006 – 10:45	A Clinical Approach To Consanguinity	Sui Mei Chiu

APPENDIX II

DEPARTMENT OF HUMAN GENETICS GRADUATE STUDENTS 2005-2006

Thesis Program

Ambreen, Munazzah	M.Sc. 3	Supervisor:	B. St-Jacques
Begin, Michelle	M.Sc. 2	Supervisor:	C. Haston
Ben Amor, Leila	Ph.D. 5	Supervisor :	R. Joobar
Brezo, Jelena	Ph.D. 3	Supervisor:	G. Turecki
Canale, Juan Carlos	Ph.D. 3	Supervisor :	C. Haston
Carroll, Scott	M.Sc. 2	Supervisor:	S. Quereshi / D. Malo
Celtikci, Basak	Ph.D. 4	Supervisor:	R. Rozen
Cody, Neal	Ph.D. 4	Supervisor:	P. Tonin
Cossette, Patrick	Ph.D. 7	Supervisor:	G. Rouleau
Dastani, Zari	Ph.D. 3	Supervisor:	J. Genest / J. Engert
Dib, Samar	Ph.D. 5	Supervisor:	A. Peterson
DiPietrantonio, Tania	Ph.D. 4	Supervisor:	E. Schurr
Djivré, Ilan	M.Sc. 4	Supervisor:	R. Palmour
Djuric, Ugljesa	M.Sc. 2	Supervisor:	R. Slim
Dossa, Tanya	M.Sc. 2	Supervisor:	R. St-Arnaud
Duan, Qingling	Ph.D. 3	Supervisor:	G. Rouleau
Elbejjani, Martine	M.Sc. 2	Supervisor:	R. Palmour
Elhaji, Youssef	Ph.D. 7	Supervisor:	M. Trifiro
Fainman, Joshua	Ph.D. 3	Supervisor:	R. Palmour

Grading, Abigail	M.Sc. 2	Supervisor:	D. Rosenblatt
Gros-Louis, François	Ph.D. 7	Supervisor:	G. Rouleau
Kerachian, Amin	Ph.D. 5	Supervisor:	G. Hendy
Kielczewska, Agnieszka	Ph.D. 3	Supervisor:	S. Vidal
Klein Oros, Kathleen	Ph.D. 6	Supervisor:	P. Tonin
Knock Thurston, Erin	Ph.D. 3	Supervisor:	R. Rozen
Lawrance, Andrea	Ph.D. 5	Supervisor:	R. Rozen
Lemay, Anne-Marie	Ph.D. 2	Supervisor :	C. Haston
Lerner-Ellis, Jordan	Ph.D. 2	Supervisor:	D. Rosenblatt
Levchenko, Anastasiya	Ph.D. 6	Supervisor:	G. Rouleau
Levi, Dina	M.Sc. 3	Supervisor:	C. Polychronakos
Mamdani, Firoza	Ph.D. 3	Supervisor:	G. Turecki
Marcil, Alexandre	Ph.D. 7	Supervisor:	T. Hudson
Murawski, Inga	Ph.D. 3	Supervisor:	I. Gupta
Nadeau, Katia	Ph.D. 5	Supervisor:	F. Kaplan
Naja, Roy-Pascal	Ph.D. 5	Supervisor:	R. St-Arnaud
Palmour, Nicole	Ph.D. 6	Supervisor:	K. Glass
Pascuet, Elena	M.Sc. 2	Supervisor:	P. Goodyer
Pickell, Laura	Ph.D. 3	Supervisor:	R. Rozen
Quinlan, Jacklyn	M.Sc. 3	Supervisor:	P. Goodyer
Rastikerdar, Ali	Ph.D. 3	Supervisor:	A. Peterson
Rossiny, Vanessa	M.Sc. 2	Supervisor:	P. Tonin
Roy, Marc-André	M.Sc. 2	Supervisor :	R. Rozen
Sancho, Vanessa	Ph.D. 6	Supervisor:	D. Malo
Scanlon, Thomas	Ph.D. 6	Supervisor:	M. Trifiro

Sequeira, Adolfo	Ph.D. 6	Supervisor:	G. Turecki
Southwell, Jason	M.Sc. 3	Supervisor:	M. Trifiro
Sundararajan, Saravanan	Ph.D. 4	Supervisor:	T. Hudson
Thuraisingam, Thusanth	Ph.D. 4	Supervisor:	D. Radzioch
Valdmanis, Paul	Ph.D. 3	Supervisor:	G. Rouleau
Verlaan, Dominique	Ph.D. 5	Supervisor:	G. Rouleau
Wai, Timothy	Ph.D. 3	Supervisor:	E. Shoubridge
Weraarpachai, Woranontee	M.Sc. 3	Supervisor:	E. Shoubridge
Yu, Vionnie	Ph.D. 5	Supervisor:	R. St-Arnaud

Non-thesis program (M.Sc. in Genetic Counselling)

Bhokal, Ashvinder	M.Sc. 2
Kerr, Rebecca	M.Sc. 2
Osczevski, Katherine	M.Sc. 2
Pratte, Annabelle	M.Sc. 2
Vilaysane, Ory	M.Sc. 2
MacLean, Jennifer	M.Sc. 1
Richard, Marilyn	M.Sc. 1
Taherian, Nassim	M.Sc. 1
Tiberg, Teresa	M.Sc. 1

Students Graduated in 2005-2006

<u>Spring 2005:</u> M.Sc.	Mousavi, Gity Patenaude, Anne-Marie
Ph.D.	Anjos, Suzana Caron, Judith Kelly, Tamera Lee Lee, Peter Daniel
<u>Fall 2005:</u> M.Sc.	Bhokal, Ashvinder Breznan, Annamaria Cardelli, Marco Makriyianni, Ioli Murdoch, Sharlene Parkinson, Nicole

**APPENDIX III
RESEARCH OPERATING FUNDS
2005-2006**

AGENCY

Foulkes, William	BCRA - 2006-2009 CBCRA- 2005-2008
Morgan, Ken	CIHR – Collaborator - 2002-2008 CIHR – Collaborator – 2003-2006 Networks of Centres of Excellence - Collaborator
Glass, Kathleen	CIHR - 2004-2007 FRSCQ - 2004-2010 CIHR - 2005-2006 CIHR - Co-Applicant - 2003-2009
Gottlieb, Bruce	CIHR- 2005-2006
Gupta, Indra	Kidney Foundation of Canada - 2005-2006
Haston, Christina	CIHR - 2006-2011 CIHR - 2005-2007
Kaplan, Feige	CIHR - 2005-2010 CIHR - 2005-2010 CIHR - 2004-2009 CIHR - for 2004-2009 AllerGen NCE - 2005-2007
Majewski, Jacek	CIHR - 2005-2006 Genome Canada/ Genome Quebec 2005-2006
Malo, Danielle	RTQ - 2005-2007 CIHR - 2005-2010 Canadian Genetic Diseases Network - Collaborator - 2004-2006 CIHR - Collaborator - 2003-2008 CIHR - Collaborator - 2002-2007 CIHR – Collaborator - 2001-2006
Nadon, Robert	Genome Quebec - 2005-2006 Genome Quebec - 2005-2006 Genome Quebec - 2005-2006 Canadian Consortium on Statistical Genomics - Co-PI -
Palmour, Roberta	Genome Canada Co-Applicant - 2005-2008 CIHR - 2005-2008 NCR - Co-Applicant - 2004-2007 NIAAA - 2003-2007

	NIAAA - 2003-2006 CIHR - Co-Applicant - 2004-2007 CIHR - Co-Applicant - 2002-2006 CIHR - Co-Applicant - 2002-2006 CIHR - Co-Applicant - 2000-2005 CIHR - 2000-2005
Peterson, Alan	Genome Quebec Co-Applicant - 2001-2005 CIHR - Co-Applicant - 2001-2006 Multiple Sclerosis Soc.f Canada - 2004-2006 QTRN - 2006-2008 Genome Quebec - Co-Applicant - 2006-009
Rosenblatt, David	CIHR - 2003-2006 Garrod Assoc - 2005-2006
Schurr, Erwin	National Institutes of Health, USA - 2005-2006 Canadian Genetic Diseases Network and Canadian Gene Foundation Infectious Diseases and Global Health - Co-PI 2005-2006 CIHR - 2005-2006
Shoubridge, Eric	CIHR - 2005-2006 CIHR - 2005-2006 CIHR - 2005-2006 March of Dimes Birth Defects Asso - 2005-2006 CIHR - 2005-2006 Muscular Dystrophy Assoc - US 2005-2006 NIH - US - for 2005-2006 Howard Hughes Medical Inst - US 2005-2006
St-Arnaud, René	Shriners of North America - 2005-2007 Shriners of North America - 2004-2006 Shriners of North America - 2004-2006 Shriners of North America - 2005-2007 CIHR - Co-PI - 2004-2007 NIH - 2006-2011 Bone Care International - 2005-2006
St-Jacques, Benoit	Shriners of North America - 2005-2006 CIHR/Canadian Arthritis Network - 2005-2006
Tischkowitz, Marc	CFI - 2005-2006
Tonin, Patricia	Cancer Research Society, Inc. - 2005-2007 CIHR - 2005-2008 Quebec Breast Cancer Foundation - 2004-2007 CIHR - 2004-2006 Fonds de la Recherche en Santé du Québec - 2000-2007 VRQ - 2002-2006

	CFI - 2002-2006
	Montreal Breast Cancer Foundation - 2003-2006
	CIHR - 2002-2006
	CIHR - 2002-2005
	Cancer Research Society, Inc. - 2002-2005
	Canadian Foundation for Innovation- 2000-2005
	Genome Canada and Genome Quebec -2002-2005
Turecki, Gustavo	CIHR - 2002-2005
	CIHR - 2002-2006
	CIHR - Co-PI - 2003-2008
	CIHR - 2004-2009
	CIHR - Co-Applicant - \$ 2004-2007
	CIHR - Co-PI - 2005-2010
	NSF - Co-PI - 2006-2011
	CIHR - 2005-2010
	CIHR - 2006-2011
	CIHR - 2006-2011
	AFSP - 2006-2008
Vidal, Silvia	CIHR - 2005-2010
	CRC - 2005-2007
	CIHR - 2003-2008

APPENDIX IV

Department of Human Genetics – Committees 2005-2006

Advisory to the Chair:

David S. Rosenblatt, M.D., Chair
Alessandra Duncan, Ph.D.
William Foulkes, M.D.
Francis Glorieux, M.D., Ph.D.
Thomas Hudson, M.D.
Serge Melançon, M.D.
Rima Rozen, Ph.D.
Charles R. Scriver, C.C., M.D.C.M., F.R.S.
Eric Shoubridge, Ph.D.

Appointments, Promotion and Tenure Committee

David S. Rosenblatt, M.D., Chair
Vazken Der Kaloustian, M.D.
Alessandra Duncan, Ph.D.
Francis Glorieux, M.D., Ph.D.
Kenneth Morgan, Ph.D.
Roberta Palmour, Ph.D.
Rima Rozen, Ph.D.
Eric Shoubridge, Ph.D.
Jacquetta Trasler, M.D., Ph.D.

Fellowship Training Committee

Vazken Der Kaloustian, M.D. (Chair, Program Director)
Eva Andermann, M.D., Ph.D.
Alessandra Duncan, Ph.D.
William Foulkes, M.D., Ph.D.
Francis Glorieux, M.D., Ph.D.
Serge Melançon, M.D.
David Rosenblatt, M.D.
Laura Russell, M.D.
Patrick Scott, Ph.D.
Marc Tischkowitz, M.D., Ph.D.
2 Residents
S. Razack (Ped. Program Director)
T. Maniatis (Int. Med. Program Director)

Standing Committee: Genetic Health Care Services

David S. Rosenblatt, M.D. (Chair)
Eva Andermann, M.D., Ph.D.
Lola Cartier, M.Sc.
Vazken Der Kaloustian, M.D.
Alessandra Duncan, Ph.D.
William Foulkes, M.D.
Francis Glorieux, M.D., Ph.D.
Serge Melançon, M.D.
Rima Rozen, Ph.D.
Laura Russell, M.D.
Patrick Scott, Ph.D.

M.Sc. in Genetic Counselling

Jennifer Fitzpatrick, M.S., Chair
Nathalie Bolduc, M.Sc.
Lola Cartier, M.Sc.
Sui Mei Chiu, M.S.
Vazken Der Kaloustian, M.D.
Stella Drury
Alessandra Duncan, Ph.D.
William Foulkes, M.D., Ph.D.
Stephanie Fox, M.S.
Lidia Kasprzak, M.Sc. (on leave)
Laura Palma, M.S.
Roberta Palmour, Ph.D.
David S. Rosenblatt, M.D.
Laura Russell, M.D.
Marc Tischkowitz, M.D., Ph.D.
Nora Wong, M.S.
Sonya Zaor, M.Sc.

Graduate Training Committee

Eric Shoubridge, Ph.D., Chair
Ken Dewar, Ph.D.
Jamie Engert, Ph.D.
Indra Gupta, M.D.
Danuta Radzioch, Ph.D.
Benoit St-Jacques, Ph.D.
Patricia Tonin, Ph.D.
Graduate Student

Curriculum Committee(s)

Medicine:

Feige Kaplan (Chair), Ph.D.
Vazken Der Kaloustian, M.D.
Jennifer Fitzpatrick, M.S.
William Foulkes, M.D.
Roberta Palmour, Ph.D.

Science:

Patricia Tonin, Ph.D. (Chair)
Mary Fujiwara, M.Sc.
Danielle Malo, D.V.M., Ph.D.
Robert Nadon, Ph.D.
Aimee Ryan, Ph.D.
Benoit St-Jacques, Ph.D.

Department of Human Genetics Faculty

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Andermann, Eva, M.D., Ph.D. <i>Eva.andermann@mcgill.ca</i> <i>Montreal Neurological Institute, Neurogenetics, 3801 University, Rm 127</i>	398-8529	398-8540	Professor
Ao, Asangla, Ph.D. <i>asangla.ao@muhc.mcgill.ca</i> <i>Royal Victoria Hospital, OBS/GYN, 687 Pine W.</i>	934-1934 (34741)	843-1678	Associate Member
Bolduc, Nathalie, M.Sc. <i>nathalie.bolduc@muhc.mcgill.ca</i> <i>Royal Victoria Hospital, OBS/GYN, 687 Pine W., Rm F4/29</i>	934-1934 (34505)	843-1678	Faculty Lecturer
Cartier, Lola, M.Sc. <i>lola.cartier@muhc.mcgill.ca</i> <i>Montreal Children's Hospital, Prenatal Diagnosis, 2300 Tupper, Rm A808</i>	934-1934 (22608)	412-4385	Faculty Lecturer
Chiu, Sui Mei, M.Sc. <i>suimei.chiu@debelle.mcgill.ca</i> <i>Montreal Children's Hospital, Medical Genetics, 2300 Tupper, Rm A608</i>	934-1934 (22115)	412-4329	Faculty Lecturer
Chong, George, Ph.D. <i>george.chong@mcgill.ca</i> <i>Jewish General Hospital, Lady Davis Institute, 3999 Côte Ste-Catherine</i>	340-8222 (4359)	340-7502	Assistant Professor
Cournoyer, Denis, M.D. <i>cournoyerd@muhchem.mcgill.ca</i> <i>Montreal General Hospital, Medicine, 1650 Cedar, Rm C10/148</i>	934-1934 (42441)	934-8202	Associate Member
Der Kaloustian, Vazken, M.D. <i>vazken.derkaloustian@mcgill.ca</i> <i>Montreal Children's Hospital, Medical Genetics, 2300 Tupper, Rm A/608</i>	412-4427	412-4329	Professor
Dewar, Ken, Ph.D. <i>ken.dewar@mcgill.ca</i> <i>McGill University and Genome Quebec, Innovation Centre, 740 Ave. Dr. Penfield, Rm 7214</i>	398-3311 (00089)	398-1790	Assistant Professor
Drury, Stella, M.Sc. <i>sdrury@debelle.mcgill.ca</i> <i>Montreal Children's Hospital, Medical Genetics, 2300 Tupper</i>	412-4400 (23318)	412-4329	Faculty Lecturer
Duncan, Alessandra, Ph.D. <i>alessandra.duncan@muhc.mcgill.ca</i> <i>Montreal Children's Hospital, Cytogenetics, 2300 Tupper, Rm A817</i>	412-4432	412-4385	Professor
Engert, Jamie, Ph.D. <i>jamie.engert@mcgill.ca</i>	394-1934 (35325)	843-2843	Assistant Professor

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Fitzpatrick, Jennifer, M.Sc. jfitzpatrick@debelle.mcgill.ca Montreal Children's Hospital, Prenatal Diagnosis, 2300 Tupper, Rm A808	934-1934 (22550)	412-4385	Faculty Lecturer
Foulkes, William, M.D. william.foulkes@mcgill.ca Montreal General Hospital, Medical Genetics, 1650 Cedar, Rm L10/120	934-1934 (44121)	934-8273	Associate Professor
Fox, Stephanie, M.S. Sephania.fox@muhc.mcgill.ca Medical Genetics, Montreal General Hospital, 1650 Cedar	934-1934 (44076)	934-8273	Faculty Lecturer
Fraser, Clarke F., M.D., Ph.D. fcfraser@auracom.com			Professor Emeritus
Fujiwara, Mary, M.Sc. fujiwara@bagel.epi.mcgill.ca Montreal General Hospital, Medical Genetics, 1650 Cedar, Rm L10/109	934-1934 (44629)	934-8273	Assistant Professor
Galipeau, Jacques, M.D. jgalipea@lab.jgh.mcgill.ca Jewish General Hospital, Hematology-Oncology, 3755 Côte Ste-Catherine	340-8222 (5432)	340-8281	Associate Member
Genest, Jacques, M.D. jacques.genest@muhc.mcgill.ca Royal Victoria Hospital, Cardiology, 687 Pine Ave. W., Rm M4/76	934-1934 (34642)	982-0686	Associate Member
Gilfix, Brian, M.D., Ph.D. brian.gilfix@mcgill.ca Royal Victoria Hospital, Medical Genetics, 687 Pine Ave. W., Rm C6/87	934-1934 (34409)	843-1499	Associate Member
Glass, Kathleen, DCL kathleen.glass@mcgill.ca Biomedical Ethics Unit, 3647 Peel St., Rm 303	398-6945	398-8349	Associate Professor
Glorieux, Francis, M.D., Ph.D. glorieux@shriners.mcgill.ca Shriner's Hospital, Genetics, 1529 Cedar	842-5964	842-5581	Professor
Goodyer, Paul, M.D. paul.goodyer@muhc.mcgill.ca Montreal Children's Hospital, Nephrology, 4060 St Catherine St. Rm PT, Rm 413/1	934-1934 (22584)	412-4359	Associate Member
Gottlieb, Bruce, Ph.D. Bruce.gottlieb@mcgill.ca Jewish General Hospital, Lady Davis Institute, 3999 Cote St Catherine	340-8260	340-7502	Associate Member
Gupta, Indra, M.D. indra.gupta@muhc.mcgill.ca Montreal Children's Hospital, Nephrology, 4060 St Catherine St. Rm PT-413.2	412-4400 (23539)	412-4478	Associate Member
Haston, Christina, Ph.D. Christina.haston@mcgill.ca Meakins Christie, RVH	398-3864 (00202)		Associate Member

Hendy, Geoffrey, Ph.D. geoffrey.hendy@mcgill.ca Royal Victoria Hospital, Calcium Research Lab, 687 Pine Ave. W., Room H4/67	934-1934 (35165)	843-1712	Associate Member
Hudson, Tom, M.D. tom.hudson@mcgill.ca McGill University and Genome Quebec, Innovation Centre, 740 Dr. Penfield, Rm 7105	398-3311 (00385)	398-2622	Associate Professor
Jass, Jeremy, M.D. Jeremy.jass@mcgill.ca Duff Medical Bldg., Pathology, 3775 University St.	398-7192 (00395)	398-7446	Associate Member
Jooper, Ridya, M.D. Ridya.jooper@mcgill.ca Douglas Hospital, 6875 La Salle Blvd., Verdun	761-6131 (2369) 762-3011		Associate Member
Kaplan, Feige, Ph.D. feige.kaplan@mcgill.ca Montreal Children's Hospital, Research Inst., Biochemical Genetic., 4060 Ste-Catherine W., Rm 205	934-1934 (23209)	412-4331	Associate Professor
Karaplis, Andrew, M.D., Ph.D. akarapli@ldi.jgh.mcgill.ca Jewish General Hospital, Lady Davis Inst., 3999 Côte Ste-Catherine, Rm 626	340-8260 (4907) 340-7573		Associate Member
Kasprzak, Lidia, M.Sc. (on leave) lidia.kasprzak@mail.mcgill.ca Medical Genetics, Montreal General Hospital, L10/107	934-1934 (42981)	934-8273	Faculty Lecturer
Koenekoop, Robert, M.D., Ph.D. robert.koenekoop@muhc.mcgill.ca Montreal Children's Hospital, Medical Genetics, 2300 Tupper Rm D-166	412-4400 (22891)	412-4443	Assistant Professor
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Lippman, Abby, Ph.D. abbyl@epid.lan.mcgill.ca Epidemiology & Biostatistics, Purvis Hall, 1020 Pine Ave. W.	398-6266	398-4503	Associate Member
Malo, Danielle, D.V.M., Ph.D. danielle.malo@mcgill.ca Montreal General Hospital, Centre for Study of Host Resistance, 1650 Cedar, Rm L11/144	934-1934 (44503)	934-8261	Associate Professor
Majewska, Loydie Jerome, Ph.D. Loydie.majewska@muhc.mcgill.ca Place Touon, 4060 Ste. Catherine St. West	412-4400 (23279)	412-4331	Associate Member
Majewski, Jacek, Ph.D. Jacek.majewski@mcgill.ca McGill U & Genome Quebec Bldg., 740 Dr. Penfield	398-3311 (00891)	398-2622	Assistant Professor
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Morgan, Kenneth, Ph.D. <i>ken@bagel.epi.mcgill.ca</i> <i>Montreal General Hospital, Medical Genetics, 1650 Cedar, Rm L10/109</i>	934-1934 (44628)	934-8273	Professor
Mukherjee, Barid, Ph.D.			Professor Emeritus
Nadon, Robert, Ph.D. <i>robert.nadon@mcgill.ca</i> <i>McGill University and Genome Quebec, Innovation Centre, 740 Dr. Penfield, Rm 6101</i>	398-3311 (00284)	398-1738	Associate Professor
Naumova, Anna K., Ph.D. <i>anna.naumova@muhc.mcgill.ca</i> <i>Royal Victoria Hospital, OBS/GYN, 687 Pine Ave. W., Rm F4/29</i>	934-1934 (35906)	843-1662	Associate Member
Palma, Laura, M.S. <i>Laura.palma@muhc.mcgill.ca</i> <i>Medical Genetics, Montreal General Hospital, 1650 Cedar</i>	934-1934 (44076)	934-8273	Faculty Lecturer
Palmour, Roberta, Ph.D. <i>roberta.palmour@mcgill.ca</i> <i>Allen Memorial Institute, Psychiatry, 1033 Pine Ave. W.</i>	398-7303	398-4370	Professor
Peterson, Alan, Ph.D. <i>alan@devbiol2.molonc.mcgill.ca</i> <i>Royal Victoria Hospital, Molecular Developmental Lab, 687 Pine Ave. W.</i>	934-1934 (35846)	982-0872	Associate Member
Pinsky, Leonard, M.D. <i>leonard.pinsky@sympatico.ca</i>			Professor Emeritus
Polychronakos, Constantin, M.D. <i>constantin.polychronakos@mcgill.ca</i> <i>Montreal Children's Hospital, Endocrinology, 2300 Tupper, Rm C244</i>	934-1934 (22866)	412-4364	Associate Member
Radzioch, Danuta, Ph.D. <i>danuta.radzioch@muhc.mcgill.ca</i> <i>Montreal General Hospital, Centre for Study of Host Resistance, 1650 Cedar, Rm A6/121</i>	934-1934 (44517)	933-7146	Professor
Rosenblatt, David S., M.D. (Chairman) <i>david.rosenblatt@mcgill.ca</i> <i>Stewart Biology Bldg., Human Genetics, 1205 ave. Docteur Penfield, Rm N5/13</i>	398-3600 or 934-1934 (35571)	398-2430	Professor
Roughley, Peter, Ph.D. <i>proughley@shriners.mcgill.ca</i> <i>Shriner's Hospital, Genetics, 1529 Cedar, Rm 338</i>	282-7156	842-5581	Associate Member
Rouleau, Guy, M.D., Ph.D.	890-8000 (24621)	412-7602	Adjunct Professor
Rozen, Rima, Ph.D. <i>rima.rozen@mcgill.ca</i> <i>Montreal Children's Hospital, Research Inst., 4060 Ste-Catherine W., Rm 205</i>	934-1934 (23839)	412-4331	Professor
Russell, Laura, M.D. <i>lrussell@www.debelle.mcgill.ca</i>	412-4427	412-4329	Associate Professor

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Vidal, Silvia, Ph.D. **398-3386** **398-7052** **Associate Professor**
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Chair: *David S. Rosenblatt, M.D.*
Admin. Assistant: *Fran Langton (398-3600)*
Graduate Coordinator: *Kandace Springer (398-4198)*

APPENDIX V

HONOURS (including Salary Awards) 2005-2006

Foulkes, William	FRSQ Chercheur Boursier II, 2002-2007 William Dawson Scholar, 2003-2008
Glass, Kathleen	Visiting Research Professor, Institut de droit de la sante, Universite de Neuchatel, Switzerland, March-April 2006
Gupta, Indra	FRSQ Chercheur Boursier II, 2004-2008
Haston, Christina	MUHC Nesbitt-McMaster Award for Excellence in Medicine and Surgery, 2005-2008 FRSQ Chercheur Boursier II, 2005-2009
Majewski, Jacek	CIHR Institute of Genetics, Maud Menton Award Finalist, 2005 CRC tier 2, 2005
Malo, Danielle	William Dawson Scholar, 2002-2007
Palmour, Roberta	CIHR College of Reviewers, Canada Research Chairs, 2002-present CIHR Institute Advisory Board, Institute of Neuroscience, Mental Health and Addiction, 2001-2005 American Men and Women of Science, 1995-present
Russell, Laura	Department of Pediatrics Salary Award
Schurr, Erwin	FRSQ Chercheur National, 2005
Shoubridge, Eric	CIHR Senior Investigator, James McGill Professor
St-Arnaud, René	Chaired Gordon Conference on Bones and Teeth, Biddeford, Maine, USA Elected to the Council of the American Society for Bone and Mineral Research
Trasler, Jacquetta	FRSQ Bourses de Chercheurs Nationaux, 2003-2008 William Dawson Scholar Award, 2002-2007
Turecki, Gustavo	William Dawson Chair, 2005 CIHR Day on the Hill, 2005 Distinguished Investigator Award, American Foundation for Suicide Prevention, 2006 FRSQ Chercheur Boursier II, 2005-2008

DEPARTMENT OF HUMAN GENETICS

PUBLICATIONS OF FACULTY

JANUARY 1- DECEMBER 31, 2005

AO, ASANGLA

Abir R, Fisch B, Jin S, Barnett M, Ben-Haroush A, Felz C, Kessler-Icekson G, Feldberg D, Nitke S, Ao A. Presence of NGF and its receptors in ovaries from human fetuses and adults. *Mol Hum Reprod* 11: 229-236, 2005.

Abir R, Ao A, Jin S, Barnett M, Van den Hurk R, Freimann S, Fisch B. Immunocytochemical detection and reverse transcription polymerase chain reaction expression of oncostatin M (OSM) and its receptor (OSM-Râ) in human fetal and adult ovaries. *Fertility & Sterility* Volume 83, Issue 4, Supplement 1: 1188-1196, 2005

Bielanska M, Shaoguang, Bernier M, Lin Tan S, Ao A. Diploid-aneuploid mosaicism in human embryos cultured to the blastocyst stage. *Fertility & Sterility* 84(2):336-42, 2005

Ben-Haroush A, Abir R, Ao A, Jin S, Kessler-Icekson G, Feldberg D, S. Nitke, B. Fisch. Expression of basic fibroblast growth factor (bFGF) and its receptors in human ovarian follicles from adults and fetuses. *Fertility & Sterility* 84 Suppl 2:1257-68, 2005.

Abir R, Ao A, Jin S, Barnett M, Raanani H, Ben-Haroush A, Fisch B. Leptin and its receptors in human fetal and adult ovaries. *Fertil Steril* 84(6):1779-82, Dec 2005.

COURNOYER, DENIS

Braun MM, Wise RP, Wood JJ, Bennett CL, Casadevall N, Cournoyer D. Epoetin and Pure Red-Cell Aplasia (Letter to the Editor). *NEJM* 352:512, 2005.

Bennett CL, Nebeker JR, Lyons EA, Samore MH, Feldman MD, McKoy JM, Carson KR, Belknap SM, Trifilio SM, Schumock GT, Yarnold PR, Davidson CJ, Evens AM, Kuzel TM, Parada JP, Cournoyer D, West DP, Sartor O, Tallman MS, Raisch D. Introducing RADAR: the Research on Adverse Drug events and Reports (RADAR) project. *JAMA* 293:213-40, 2005.

Bennett CL, Cournoyer D, Carson KR, Rossert J, Luminari S, Evens AM, Locatelli F, Belknap, McKoy J, Lyons EA, Kim B, Sharma R, Costello S, Toffelmire EB, Wells GA, Messner HA, Yarnold, Trifilio SM, Raisch DW, Kuzel TM, Nissenson A, Lim L-C, Tallman MS, Casadevall. Long-term outcome of individuals with pure red call aplasia and

antierythropoietin antibodies in patients treated with recombinant epoetin. *BLOOD*, 106 (10): 3343-7, 2005.

Bernatsky S, Ramsey-Goldman R, Rajan R, Boivin JF, Joseph L, Lachance S, Cournoyer D, Zoma A, Manzi S, Ginzler E, Urowitz M, Gladman D, Fortin PR, Edworthy S, Barr S, Gordon C, Bae SC, Sibley J, Steinsson K, Nived O, Sturfelt G, St-Pierre Y, Clarke A. Non-Hodgkin's lymphoma in systemic lupus erythematosus. *Ann Rheum Dis* 64: 1507-1509, 2005.

DER KALOUSTIAN, VAZKEN

Der Kaloustian VM, Hidrotic Ectodermal Dysplasia 2. In GeneReviews at GeneTests Medical Genetics Information Resource [Database online]. Copyright, University of Washington, Seattle, 1997-2005. Available at <http://www.genetests.org>, 2005.

Nguyen T-N, Der Kaloustian VM, Barsoum-Homsy M, Dembinska O, Koenekoop RK: Congenital microcephaly, juvenile retinal dystrophy and normal mentation in a mildly dysmorphic child. *Can J Ophthalmol* 40: 195-199, 2005.

DUNCAN, ALESSANDRA

Al-Tamemi S, Mazer B, Mitchell D, Duncan AMV, McCusker C, Jabado N. Complete DiGeorge Anomaly in the absence of neonatal hypocalcemia and velofacial and cardiac defects. *Pediatrics* 116: e457-e460, 2005.

Thomas MA, Desilets V, Halal F, Duncan AMV. The importance of investigating an apparently simple Yq deletion detected prenatally. *Prenatal Diagnosis* 25:612-627, 2005.

Morel CFJ, Duncan AMV, Désilets V. A fragile site at 10q23 (FRA10A) in a phenytoin-exposed fetus: a case report and review of the literature *Prenatal Diagnosis* 25:318-321, 2005.

FOULKES, WILLIAM

Chappuis PO, Donato E, Goffin JR, Wong N, Begin LR, Kapusta LR, Brunet JS, Porter P, Foulkes WD. Cyclin E expression in breast cancer: predicting germline BRCA1 mutations, prognosis and response to treatment. *Ann Oncol*, 16 (5): 735-742, 2005.

Collett K, Stefansson IM, Eide J, Braaten A, Wang H, Eide GE, Thoresen SO, Foulkes WD, Akslen LA. A Basal epithelial phenotype is more frequent in interval breast cancers compared with screen detected tumors. *Cancer Epidemiol Biomarkers Prev*, 14 (5): 1108-12, 2005.

- Makriyianni I, Hamel N, Ward S, Foulkes WD, Graw S. BRCA1:185delAG found in the San Luis Valley probably originated in a Jewish founder. *J Med Genet*, 42 (5): e27, 2005.
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