

6. EMPLOYMENT RECORD

University, Company, or Organization	Rank or Title	Dates
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Prior to coming to UBC

Dept. of Medicine, University of Washington	Acting Instructor	1976
Dept. of Pediatrics, Northwestern University	Assistant Professor	1976-1978
Depts. of Obstetrics & Gynecology and of Pediatrics, University of Texas Health Science Center at Dallas	Assistant to Associate Professor and Chief, Div. of Clinical Genetics	1978-1986

Since coming to UBC

University of British Columbia, Dept. of Medical Genetics	Associate Professor	July 1986-June 1989
University of British Columbia, Dept. of Medical Genetics	Acting Clinical Director	July 1988-August 1989
University of British Columbia, Dept. of Medical Genetics	Acting Head	July 1989-January 1992
University of British Columbia, Dept. of Medical Genetics	Professor	July 1989-present
University of British Columbia, Dept. of Medical Genetics	Head	February 1992-December 1999
University of British Columbia, Faculty of Medicine	Acting Associate Dean, Research	January 2010 - present
Child & Family Research Institute	Acting Executive Director	January 2010 - present

Date of granting tenure at UBC: 1 July 1989

7. LEAVES OF ABSENCE

University, Company or Organization at Which Leave was taken	Type of Leave	Dates
Centers for Disease Control and Prevention, Atlanta, Georgia, U.S.A.	Administrative/Study	January – December 2000

8. TEACHING

(a) Areas of special interest and accomplishments

Course Director, MEDG 440 (Medical Genetics): 1987-1998.

Course Director, MEDG 530 (Advanced Human Genetics): 1997-1999, 2001-2004, 2009 - present

(b) Courses Taught at UBC:

Session	Course Number	Scheduled Hours	Class Size	Hours Taught			
				Lecture	Tutorial	Labs	Other
86-87W	MEDG 440	36	125	3	7		
87-88W	MEDG 440	38	125	5	7		
88-89W	MEDG 440	41	125	7	8		
89-90W	MEDG 440	43	125	8	8		
90-91W	MEDG 440	45	125	8	8		
91-92W	MEDG 440	45	125	8	8		
92-93W	MEDG 440	45	125	11			
93-94W	MEDG 440	45	125	10			
94-95W	MEDG 440	45	125	10			
95-96W	MEDG 440	45	125	10			
96-97W	MEDG 440	45	125	10			
97-98W	MEDG 530	36	15		36		
98-99W	MEDG 530	36	8		36		
99-00W	MEDG 530	36	15		36		
00-01W	MEDG 530	9	25		9		
01-02W	MEDG 530	24	11		24		
02-03W	MEDG 530	37.5	17		37.5		
03-04W	MEDG 530	37.5	22		37.5		
04-05W	MEDG 530	12	8		12		
05-06W	MEDG 530	12	7		12		

06-07W	MEDG 530	12	8		12		
07-08W	MEDG 530	12	7		12		
08-09W	MEDG 530	37.5	21		37.5		
09-10W	MEDG 530	37.5	25		37.5		
10-11W	MEDG 530	37.5	19		37.5		
10-11W	FMED 427	48	240		1		

(c) Graduate Students Supervised

Student Name	Program Type	Year		Principal Supervisor	Co-Supervisors
		Start	Finish		
Krisztina Vasarhelyi	M.Sc. (Genetics)	1988	1990	J. M. Friedman	
Elena Lopez-Rangel	M.Sc. (Genetics)	1991	1993	J. M. Friedman	
Roxana Moslehi	M.Sc. (Medical Genetics)	1992	1994	J. M. Friedman	
Roxana Moslehi	Ph.D. (Medical Genetics)	1994	2000	J. M. Friedman	Steven Narod
Jacek Szudek	Ph.D. (Medical Genetics)	1995	2001	J. M. Friedman	Harry Joe
Ryan Woods	M.Sc. (Statistics)	1999	2000	Harry Joe	J. M. Friedman
Yinshan Zhao	Ph.D. (Statistics)	1999	2003	Harry Joe	J. M. Friedman
Dana Aeschliman	M.Sc. (Statistics)	2000	2001	Harry Joe	J. M. Friedman
Tracy Tucker	Ph.D. (Medical Genetics)	2000	2006	J. M. Friedman	Carolyn Brown
Bernard Lee	M.Sc. (Medical Genetics)	2001	2003	J. M. Friedman	
Sura Alwan	Ph.D. (Medical Genetics)	2003	2010	J. M. Friedman	
Farah Zahir	Ph.D. (Medical Genetics)	2005	2011	J. M. Friedman	
Kimberly Jett	Ph.D. (Medical Genetics)	2007		J. M. Friedman	
Cristina Dias	Ph.D. (Medical Genetics)	2010		J. M. Friedman	Cornelius Boerkoel

(d) Continuing Education Activities (past 10 years)

1. Invited Speaker, Third Age Lectures, Vancouver, BC, June 2001
2. Invited Speaker, BC Telehealth, Vancouver, BC, April 2003
3. Invited Speaker, Mini Medical School, Vancouver, BC, October 2003
4. Invited Speaker, The Gene Scene Public Forum, Science World, Vancouver, BC, March 2005
5. Invited Speaker, Neurology Rounds, BC Children's Hospital, Vancouver, BC, September 2006
6. Invited Speaker, Genetics Matters Public Forum, Science World, Vancouver, BC, November 2007
7. Invited Speaker, Pediatric Ground Rounds, BC Children's Hospital, Vancouver, BC, May 2008
8. Invited Speaker, Grand Rounds, Royal Columbia Hospital, Vancouver, BC, May 2008
9. Invited Speaker, Grand Rounds, UBC School of Public and Population Health, Vancouver, BC, February 2009
10. Invited Speaker, Paediatric Grand Rounds, University of Alberta, Edmonton, November 2010
11. Invited Speaker, Pathology & Laboratory Medicine Rounds, BC Children's Hospital, Vancouver, BC, May 2011
12. Invited Speaker, Education Rounds for the Department of Family Practice, Mount St. Joseph Hospital, Vancouver, BC, Oct 2011

(e) Visiting Lecturer (indicate university/organization and dates) (past 10 years)

1. Invited Speaker, Division of Medical Genetics, University of Washington, Seattle, January 2001
2. Invited Speaker, Neurology Grand Rounds, Wayne State University, Detroit, Michigan, November 2001
3. Invited Speaker, National Center on Birth Defects and Developmental Disabilities, Centers for Disease Control and Prevention, Atlanta, Georgia, April 2004
4. Invited Speaker, Medicine Grand Rounds, Centre Hospitalier de L'Université de Montréal, Montreal, Quebec, January 2006
5. Invited Speaker (Bock Lecture), Grand Rounds, Alfred I DuPont Hospital for Children, Wilmington, Delaware, October 2008
6. Invited Speaker, Medical Genetics Seminar, Children's Hospital of Eastern Ontario, January 2009

9. SCHOLARLY AND PROFESSIONAL ACTIVITIES

(a) Areas of special interest and accomplishment

1. Clinical genomics
2. Clinical teratology
3. Neurofibromatosis

(b)&(c) Research or equivalent grants/contracts (indicate under COMP whether grants were obtained competitively (C) or non-competitively (NC))

Granting Agency	Subject	COMP	\$ for Entire Period Indicated	Years	Principal Investigator	Co-Investigators
Texas Department of Health	Texas Genetics Network	NC	\$451,394 US	1979-1986	J. M. Friedman	
U.S. National Institutes of Health (N01-HD-3-2819)	Registry of Cytogenetic Abnormalities and Phenylketonuria	C	\$540,907 US	1983-1986	J. M. Friedman	S.M. Mize P.N. Howard-Peebles
U.S. Public Health Service (MCJ-481002)	Teratogen Information System	C	\$1,320,979 US	1984-1990	J. M. Friedman	S.M. Mize
BC Children's Hospital Equipment Fund	Microcomputer for Clinical Genetics Unit	C	\$5,500	1986	J. M. Friedman	
British Columbia Health Care Research Foundation	Reproductive risks in the children of balanced carriers of chromosomal rearrangements	C	\$52,000	1987-1989	J. M. Friedman	
National Neurofibromatosis Foundation	Neurofibromatosis registry	C	\$253,000 US	1990-	J. M. Friedman	
British Columbia Medical Service Foundation	Uniparental disomy as a cause for malformations and/or developmental delay in inherited, apparently-balanced chromosomal rearrangements	C	\$29,645	1991-1992	J. M. Friedman	
British Columbia Health Care Research Foundation	Genetic studies of X-linked cleft palate	C	\$58,000	1991-1993	J. M. Friedman	P.J. Goodfellow
British Columbia Health Care Research Foundation	Numerical taxonomy of patients with neurofibromatosis type 1	C	\$46,100	1992-1994	J. M. Friedman	

Granting Agency	Subject	COMP	\$ for Entire Period Indicated	Years	Principal Investigator	Co-Investigators
Texas Neurofibromatosis Foundation	Analysis of clinical variability in NF1	C	\$30,000 US	1994-1996	J. M. Friedman	
National Neurofibromatosis Foundation	Updating and modernizing the NNFF International Database	NC	\$10,000 US	1997	J. M. Friedman	
US Army Neurofibromatosis Research Program	Analysis of phenotypic variability in neurofibromatosis type 1	C	\$472,447 US	1997-2001	J. M. Friedman	D. Viskochil
Association of Teachers of Preventive Medicine	Career Development Award	C	\$60,000 US	2001	J. M. Friedman	
National Neurofibromatosis Foundation	Neurofibromatosis Mutation Database	C	\$72,743 US	2001-2004	J. M. Friedman	
U.S. National Institutes of Health	Genotype-phenotype Relationships in Neurofibromatosis 2	C	\$61,506 US (UBC Subgrant)	2002-2004	M. MacCollin (Harvard University)	J. M. Friedman
Shriners' Hospitals	Tibial Dysplasia in NF1 (Pilot project)	C	\$15,000 US (UBC Subgrant)	2002	J. Carey (University of Utah)	J. M. Friedman
Shriners' Hospitals	Tibial Dysplasia in NF1	C	\$270,000 US (UBC Subgrant)	2004-2007	J. Carey (University of Utah)	J. M. Friedman
Canadian Foundation for Innovation (Innovation Fund)	Canadian Molecular Cytogenetics Platform	C	\$4,512,925	2004-2006	J. M. Friedman	R. Drouin, B. Knoppers, P. Lansdorp, S. Mai, S. Meyn, M. Marra, G. Rouleau, J. Squire, R. Weksberg

Granting Agency	Subject	COMP	\$ for Entire Period Indicated	Years	Principal Investigator	Co-Investigators
British Columbia Knowledge Development Fund	Canadian Molecular Cytogenetics Platform	C	\$1,653,033	2004-2006	J. M. Friedman	P. Lansdorp, M. Marra
Genome Canada	Genomic Tools for Diagnosis and Evaluation of Mental Retardation	C	\$2,779,731	2004-2007	J. M. Friedman, M. Marra	D. Albertson, O. Cohen, P. Eydoux, R. Holt, S. Jones, B. Knoppers, W. Lam, S. Langlois, C. Marra, D. Pinkel, E. Rajcan-Separovic, J. Schein
Canadian Genetic Diseases Network	Health Care and Health Policy Challenges in Genetic Laboratory Services	C	\$11,500 (UBC subgrant)	2004-2006	F. Rousseau	J. M. Friedman and 15 others
Canadian Institutes of Health Research	Health Care and Health Policy Challenges in Genetic Laboratory Services	C	\$43,760 (UBC subgrant)	2004-2007	F. Rousseau	J. M. Friedman and 15 others
Canadian Foundation for Innovation (Infrastructure Operating Fund)	Canadian Molecular Cytogenetics Platform	C	\$1,353,878	2005-2010	J. M. Friedman	R. Drouin, B. Knoppers, P. Lansdorp, S. Mai, S. Meyn, M. Marra, G. Rouleau, J. Squire, R. Weksberg
National Institutes of Health	Spinal Abnormalities in Neurofibromatosis 1	C	\$323,207 US (UBC subgrant)	2006-2010	D. Viskochil	J.M. Friedman, Z. Mughal, E. Schorry, D. Stevenson
US Army	Neurofibromatosis 1 in Old Age: International Interdisciplinary Analyses of the Issues	C	\$761,215 US	2006-2011	J.M. Friedman	P. Birch, T. Schooler

Granting Agency	Subject	COMP	\$ for Entire Period Indicated	Years	Principal Investigator	Co-Investigators
Michael Smith Foundation for Health Research	British Columbia Clinical Genomics Platform	C	\$50,000	2006	J.M. Friedman, M. Hayden	
Canadian Institutes of Health Research	Recurrent Copy Number Variants in Children with Mental Retardation	C	\$290,127	2007-2010	J.M. Friedman	S. Langlois, J. Michaud, F. Rousseau
Canadian Institutes of Health Research	CIHR Team in Constitutional Genomic Copy Number Variation	C	\$10,000	2007	J.M. Friedman	BM Knoppers, S Scherer, M Marra
Michael Smith Foundation for Health Research	British Columbia Clinical Genomics Platform	C	\$1,600,000	2007-2012	J.M. Friedman, M. Hayden	
US Army	Identification of Novel Biomarkers and Sub-Clinical Vasculopathy in Neurofibromatosis Type 1 Patients	C	\$58,960 US	2010-2012	J.M. Friedman	Sammy Chan, John Mancini
Canadian Institutes of Health Research	Massively parallel genomic sequencing for clinical identification of mutations that cause intellectual disability	C	\$450,872	2010-2013	J.M. Friedman	Marco Marra, Cornelius Boerkoel
APOGEE-Net/ CanGène Test Network	Next Generation Sequencing: towards guidelines for reporting incidental findings	C	\$25,000	2010-2012	J.M. Friedman	Francois Rousseau
Canadian Institutes of Health Research	Café Scientifique: A Public Discussion of Incidental Findings from Genomic Sequency Technology	C	\$3,000	2010-2011	J.M. Friedman	
Genome Canada/CIHR	Finding of Rare Disease Genes in Canada	C	\$694,254	2011-2012	Kym Boycott	J.M. Friedman
Children's Tumor Foundation	Treatment of NF1 Vasculopathy Using Cytokine Inhibition	C	\$15,000 US	2011-2012	J.M. Friedman	

(d) Invited Presentations (Last 10 years)

1. Invited Speaker, BC Neurofibromatosis Foundation, Burnaby, BC, February 2001
2. Invited Speaker, Washington Chapter, National Neurofibromatosis Foundation, Seattle, Washington, April 2001
3. Invited Speaker, Workshop on Malignant Peripheral Nerve Sheath Tumours in NF1, London, UK, May 2001
4. Invited Speaker, Second International Conference on Male-Mediated Developmental Toxicity, Montreal, Quebec, June 2001
5. Invited Speaker, CIHR Workshop on Health Services for Genetic Diseases, Toronto, Ontario, September 2001
6. Invited Speaker, Society of Child Neurology, Victoria, British Columbia, October, 2001
7. Invited Speaker, BC Neurofibromatosis Foundation, Vancouver, BC, March 2002
8. Invited Speaker, National Institute of Child Health and Human Development Workshop on Neonatal Followup, Bethesda, MD, June 2002
9. Invited Speaker, Workshop on Malignant Peripheral Nerve Sheath Tumors in NF1, Aspen, CO, June 2002
10. Invited Speaker, International Consortium for Molecular Biology of NF1 and NF2, Aspen, CO, June 2002
11. Invited Speaker, National Center on Birth Defects and Developmental Disabilities, Centers for Disease Control, Atlanta, GA, August 2002
12. Invited Speaker, International Neurofibromatosis Symposium, Tokyo, Japan, May 2003
13. Invited Speaker, International Neurofibromatosis Symposium, Seoul, Korea, May 2003
14. Invited Speaker, International Consortium for Molecular Biology of NF1 and NF2, Aspen, CO, June 2003
15. Invited Speaker, Public Affairs Workshop on Communicating Risk for Pregnancy Exposure, Teratology Society, Philadelphia, PA, June 2003
16. Invited Speaker, Workshop on Schwannomatosis, Boston, MA, October 2003
17. Invited Speaker, Drug Information Association Workshop on Pregnancy Exposure Registries: Evaluating the Teratogenic Potential of Pharmaceutical Products Used at Clinical Doses, Washington, DC, May 2004
18. Invited Speaker, UBC MD/PhD Programme Annual Open House, Vancouver, BC, September 2004
19. Invited Speaker, American Society of Human Genetics Annual Meeting, Toronto, Canada, October, 2004
20. Invited Speaker, Wellcome Trust DECIPHER Workshop, Hinxton, UK, June 2005
21. Invited Speaker, Symposium on Pregnancy Exposure Information, Teratology Society Annual Meeting, St. Pete Beach, FL, June 2005
22. Invited Speaker, Genome Structural Variation Symposium, University of Toronto, July 2005
23. Invited Speaker, Symposium on Neurofibromatosis – diagnosis and therapy, Universität Hamburg, Hamburg, Germany, November 2005

24. Invited Speaker, V Congress of the Federation of Pro-Mental Health Societies, Alcapulco, Mexico, March 2006
25. Invited Speaker, Drug Information Association Workshop on Monitoring and Evaluating the Fetal Effects of Drug Exposure During Pregnancy, Washington, DC, May 2006
26. Invited Speaker, CIHR Institute of Genetics Lectureship, IWK Children's Hospital, Halifax, NS, May 2006
27. Invited Speaker, Children's Tumor Foundation International Neurofibromatosis Research Consortium, Aspen, CO, June 2006
28. Invited Keynote Speaker, Organization of Teratogen Information Specialists, Tucson, AZ, June 2006
29. Invited Speaker, Centre de recherche de Hôpital Ste-Justine, Monreal, QC, October 2006
30. Invited Speaker, Genome BC Winter Symposium, Vancouver, BC, January 2007
31. Invited Speaker, Medications and Pregnancy Symposium, Montreal, QC, April 2007
32. Invited Speaker, Northwest Society for Developmental and Behavioural Pediatrics, Vancouver, BC, April 2007
33. Invited Speaker, DECIPHER Workshop, Hinxton, UK, May 2007
34. Invited Speaker, Organization of Teratogen Information Specialists, Pittsburgh, PA, June 2007
35. Invited Speaker, Children's Tumour Foundation International Neurofibromatosis Research Consortium, Park City, Utah, June 2007
36. Invited Speaker, Department of Biological Sciences, Simon Fraser University, Burnaby, BC, September 2007
37. Invited Speaker, British Columbia Neurofibromatosis Foundation, Vancouver, BC, Sept 2007
38. Invited Speaker, Child and Family Research Institute research presentations, Vancouver, BC, September 2007
39. Invited Speaker, Canadian College of Medical Geneticists Annual Meeting, Vancouver, BC, November 2007
40. Invited Speaker, Genome BC Winter Symposium, Vancouver, BC, January 2008
41. Invited Speaker, Association des médecins généticiens du Québec Annual Meeting, Québec City, May 2008
42. Invited Speaker, International Society for Prenatal Diagnosis Annual Meeting, Vancouver, BC, June 2008
43. Invited Speaker, Canadian Bioethics Society Conference, St. John's, Newfoundland, June 2008
44. Invited Speaker (Robert Brent Lecture), Teratology Society Annual Meeting, Monterey, California, June 2008
45. Invited Speaker (Irene Uchida Lecture), University of Manitoba, Winnipeg, April 2009
46. Invited Speaker, Pediatric Research Rounds, John Buhler Research Centre, Winnipeg, Manitoba, April 2009
47. Invited Speaker, Thomas Shepard Festschrift, University of Washington, Seattle, WA, May 2009
48. Invited Speaker (Josef Warkany Lecture), Teratology Society Annual Meeting, San Juan, Puerto Rico, June 2009
49. Invited Speaker, Neurofibromatosis Canada Conference, Vancouver, BC, April 2010

50. Keynote Speaker, Society for Pediatric and Perinatal Epidemiological Research, Seattle, WA, June 2010
51. Invited Speaker, British Columbia Neurofibromatosis Foundation, Kelowna, BC, September 2010
52. Invited Speaker, Canadian College of Medical Geneticists Annual Scientific Symposium, Halifax, Nova Scotia, October 2010
53. Invited Speaker, First International ENTIS and OTIS Joint Meeting, Jerusalem, Israel, March 2011
54. Invited Speaker, Children's Tumor Foundation Bone Workshop, New York, NY, April 2011
55. Invited Speaker, Alberta Neurofibromatosis Association Symposium, Calgary, AB, April 2011
56. Invited Speaker, ILSI Health and Environmental Sciences Institute Workshop on Consensus List of Developmental Toxicants, Washington, DC, May 2011
57. Invited Speaker, Teratology Society Education Course, San Diego, CA, June 2011
58. Invited Speaker, Organization of Teratology Information Specialists Annual Meeting, San Diego, CA, June 2011
59. Invited Speaker, Teratology Society Annual Meeting, San Diego, CA, June 2011
60. Invited Speaker, Congress of the Canadian Neurological Sciences Federation, Vancouver, BC, June 2011
61. Invited Speaker, British Columbia Neurofibromatosis Foundation, Vancouver, BC, October 2011

(e) Conference Participation (Organizer, Keynote Speaker, etc.) (Last 10 years)

1. Session Chair, Second International Conference on Male-Mediated Developmental Toxicity, Montreal, Quebec, June 2001
2. Session Chair, Invited Speaker Symposium, American Society of Human Genetics Annual Meeting, San Diego, California, October 2001
3. Session Chair, 15th Annual Health Policy Conference, Centre for Health Services and Policy Research, University of British Columbia, Vancouver, November 2002
4. Session Chair, Invited Speaker Symposium, American Society of Human Genetics Annual Meeting, New Orleans, Louisiana, October 2006
5. Session Chair, HUGO Meeting, Montreal, QC, May 2007
6. Session Chair, Contributed Paper Session, Teratology Society Annual Meeting, Pittsburgh, PA June 2007
7. Session Chair, Invited Speaker Symposium, American Society of Human Genetics Annual Meeting, San Diego, California, October 2007
8. Session Co-Chair, Institute of Genetics, From Genes to Proteins, Cells, Organs and Patients, Toronto, ON, December 2007
9. Session Co-Chair, International Society for Prenatal Diagnosis Annual Meeting, Vancouver, BC, June 2008
10. Session Co-Chair, Teratology Society Annual Meeting, Monterey, CA June 2008
11. Session Co-Chair, Pediatric Academic Societies, Vancouver, BC, May 2010
12. Session Chair, Canadian College of Medical Geneticists Annual Scientific Symposium, Halifax, Nova Scotia, October 2010
13. Session Co-Chair, Teratology Society March of Dimes Symposium, San Diego, CA, June 2011

10. SERVICE TO THE UNIVERSITY

(a) Memberships on committees, including offices held and dates

1. UBC Faculty of Medicine Postgraduate Awards Committee - Member 1988-1992
2. UBC Faculty of Medicine Executive Committee - Member 1989-1999
3. Scientific Proposal Committee, UBC Medicine 2000, College of Advanced Biomedical Studies - Member 1991
4. UBC Faculty of Medicine Postgraduate Awards Committee - Chairman 1991-1992
5. Scientific Proposal Committee, UBC Medicine 2000, Institute for Infants, Child and Youth - Member 1991-1992
6. Scientific Proposal Committee, UBC Medicine 2000, Centre for Predictive Medicine - Member 1991-1992
7. Dean's Advisory Committee on Integration of Centres into the Faculty (of Medicine) - Member 1992-1993
8. President's Advisory Committee on the Selection of a Head for the Department of Biochemistry - Member 1992-1993
9. President's Advisory Committee on the Selection of a Head for the Department of Obstetrics & Gynaecology - Member 1992-1994
10. Dean's Review Committee for the Department of Health Care and Epidemiology - Chairman 1993
11. UBC Faculty of Medicine Search Committee for Associate Dean, Undergraduate Education - Member 1994
12. UBC Faculty of Medicine Budget Committee - Member 1994-1996
13. UBC Faculty of Medicine Phase 2 Part 1 Curriculum Development Committee - Member 1994-1997
14. UBC Faculty of Medicine Promotions & Tenure Committee - Member 1994-1998
15. UBC Faculty of Medicine, New Curriculum Overview Committee - Chairman 1995-1996
16. UBC Faculty of Medicine, Curriculum Management Committee - Member 1996-1999
17. UBC Faculty of Medicine, Dean's Committee to Review the Department of Pathology and Laboratory Medicine - Chair 1997
18. UBC Faculty of Medicine, Task Force on Budget - Member 1999
19. UBC Faculty of Medicine, Strategic Planning Steering Committee - Member 1999
20. UBC Faculty of Medicine, MD/PhD Committee - Member 2000-2002
21. UBC Faculty of Medicine, Dean's Committee to Review the Department of Medicine – Chair 2001
22. UBC Faculty of Medicine Executive Committee - Member 1989-1999, 2004-2005, 2010-present
23. University of British Columbia Senior Appointments Committee - Member 2005-2009
- Chair 2007-2009
24. UBC Faculty of Medicine, Dean's Task Force on Undergraduate MD Curriculum Renewal - Member 2009-2010
25. UBC Medical Genetics Teaching Award Committee – Member 2011-present

Memberships on Committees at UBC-affiliated teaching hospitals

1. British Columbia Children's Hospital Research Advisory Committee - Member 1988 –1993
2. University Hospital Research Committee - Member 1989-1992
3. University Hospital Medical-Dental Advisory Committee - Member 1989-1993
4. Grace Hospital Medical Advisory Committee - Member 1989-1994
5. British Columbia Children's Hospital Medical Advisory Committee - Member 1989-1996
6. University Hospital Task Force on Shaughnessy Site Relations - Chairman 1991
7. Vancouver Hospital & Health Sciences Centre Medical Advisory Committee - Member 1993-1999
8. B.C. Women's Hospital Medical Advisory Committee - Member 1994-1996
9. B.C. Institute for Child & Family Health Research Advisory Committee - Member 1995-1997
10. Children's and Women's Health Centre of British Columbia Research and Education Advisory Council - Chair 1998-1999
11. BC Research Institute for Children's and Women's Health Board of Directors - 1998-1999
12. Child & Family Research Institute Scientific Advisory Committee – Member 2005-present
– Chair 2010-present

(b) Other service, including dates

1. University Hospital Active Medical Staff 1986-1993
2. Vancouver Hospital and Health Sciences Centre Consulting Medical Staff 1986-1993
3. Grace Hospital Active Medical Staff 1986-1994
4. B.C.'s Children's Hospital Active Medical Staff 1986-present
5. St. Paul's Hospital Consulting Medical Staff 1986-1999
6. Grace Hospital, Acting Head, Department of Medical Genetics 1989-1992
7. B.C.'s Children's Hospital, Acting Head, Department of Medical Genetics 1989-1992
8. University Hospital, Acting Head, Department of Medical Genetics 1989-1992
9. University Hospital, Head, Department of Medical Genetics 1992-1993
10. Grace Hospital, Head, Department of Medical Genetics 1992-1994
11. B.C.'s Children's Hospital, Head, Department of Medical Genetics 1992-1999
12. Vancouver Hospital and Health Sciences Centre Active Medical Staff 1993-1999
13. Vancouver Hospital and Health Sciences Centre, Head, Department of Medical Genetics 1993-1999
14. B.C. Women's Hospital Active Medical Staff 1994-present
15. B.C. Women's Hospital, Head, Department of Medical Genetics 1994-1999

11. SERVICE TO THE COMMUNITY

(a) Memberships on scholarly societies, including offices held and dates

1. American Academy of Pediatrics 1975-present
2. American Association for the Advancement of Science 1976-present
3. American Society of Human Genetics 1975-present
 - Member, Board of Directors 2000-2005
 - Treasurer 2000-2005
4. Association of Professors of Human and Medical Genetics, Founding Member 1994 - 2000
 - Member, Council 1994-1997
 - Founding President 1994 -1996
 - Past President 1996-1997
5. Canadian College of Medical Geneticists 1987-present
 - Member, Board of Directors 1993-1997
 - Vice-President 1994 -1995
 - President 1995 -1997
6. International Congress of Human Genetics
 - Treasurer and Chair, Finance Committee 2009 - present
7. International Neurofibromatosis Foundation, Charter Member 1991-present
8. Society for Pediatric Research 1990-present
9. Teratology Society 1985-present
 - Member, Council 1995 -1998, 1999 - 2003
 - Vice President Elect 1999 - 2000
 - Vice President 2000 - 2001
 - President 2001 - 2002
10. Texas Genetics Society 1979-1986
 - Board of Directors 1983-1986

(b) Memberships on scholarly committees, including offices held and dates

1. American Board of Medical Genetics Clinical Genetics Examination Committee – Member 2000-present
2. American Board of Medical Genetics Nominations Committee – Member 2002
3. American Society of Human Genetics Awards Committee – Member 1995-1998
 - Member 2007-present
4. American Society of Human Genetics Executive Committee – Member 2000-2005.
5. American Society of Human Genetics Finance Committee – Chairman 2000-2005.
6. American Society of Human Genetics Genetic Databases Committee - Member 1994-1998.

7. American Society of Human Genetics Information and Education Committee
 - Member 1985-1994
 - Chairman 1992-1994
8. American Society of Human Genetics Local Arrangements Committee – Chairman 1981.
9. American Society of Human Genetics Public Policy Committee – Member 2000-2002.
10. American Society of Human Genetics Video History Committee – Member 2002-2006.
11. American Society of Human Genetics Journal Publisher Review Committee – Member 2007.
12. American Society of Human Genetics/Association of Professors of Human or Medical Genetics Joint Committee on Medical School Curricula – Member 2000-2002.
13. Canadian College of Medical Geneticists Accreditation of Centres Committee
 - Member 1988-1994
 - Chairman 1989-1994
14. Canadian College of Medical Geneticists Committee on Clinical Teratology
 - Member 1987-1998
 - Chairman 1990-1995
15. Canadian College of Medical Geneticists Sponsorship Committee – Chairman 1998-2002
16. Canadian College of Medical Geneticists Scientific Program Committee
 - Member 2005-present
 - Chair 2008-present
17. Canadian College of Medical Geneticists Constitution and Bylaws Committee
 - Member 2005-present
18. Canadian Institutes of Health Research, Institute of Genetics Clinical Genetics Planning and Priorities Committee – Chairman, 2001-present
19. Canadian Institutes of Health Research, Institute of Genetics, Institute Advisory Board – Member 2005-2011
20. Organization of Teratogen Information Systems, *Ad Hoc* Committee on Accreditation and Certification – Member, 2003-2005
21. Royal College of Physicians and Surgeons of Canada Medical Genetics Examination Committee
 - Member 2000– present
 - Chairman 2001–2004
22. Teratology Society Membership Committee
 - Member 1991-1995
 - Chairman 1994-1995
23. Teratology Society Nominations Committee Member 1997-1998, 2009-present
24. Teratology Society Public Affairs Committee
 - Member 1990-1993, 1995-1998
 - Chairman 1995-1998
25. Teratology Society, Program Committee

- Chairman, 2001
- Member 2000-2004

26. Teratology Society, Education Committee – Member 2007–present

(c) Memberships on other committees, including offices held and dates

1. Health Professional Advisory Committee, North Central Texas Chapter, March of Dimes Birth Defects Foundation - Chairman 1979-1981
2. Health Professional Advisory Committee, North Central Texas Chapter, March of Dimes Birth Defects Foundation- Member 1979-1986
3. Medical Advisory Board, Texas Neurofibromatosis Foundation - Member 1983-1986
4. Advisory Board, Texas Agent Orange Program- Member 1984-1985
5. U.S. National Institutes of Health Advisory Committee on Special Studies Relating to the Possible Long-Term Health Effects of Phenoxy Herbicides and Contaminants- Member 1984-1989
6. British Columbia Perinatal CASC- Member 1988-1991
7. British Columbia Provincial Advisory Committee on Medical Genetics - Member 1988-1992
8. Advisory Board, Genetic Counselors as Educators on Human Genome Issues, Chicago, Illinois - Member 1991-1993
9. Advisory Committee, B.C. Neurofibromatosis Foundation- Member 1991-present
10. B.C. Health Surveillance Registry Advisory Committee - Member 1991-1993
11. Genetics Task Force, U.S. Medical Licensing Examination - Member 1992-1993
12. Institute for Evaluating Health Risks Expert Committee on Reproductive and Developmental Toxicity - Member 1992-1993
13. Genetics Task Force, Canadian Childhood Cancer Control Programme – Co-chairman 1992-1993
14. Steering Committee, National Neurofibromatosis Foundation Mutation Database – Member 1992-2000
15. ASHG/ACMG/APHMG/NSGC Joint Taskforce on the Human Genetics Workforce, 1997-1998
16. National Academy of Sciences (U.S.) Committee on Toxicology, Subcommittee on Developmental Toxicants - Member, 1997-2000
17. Faculty Member, NNFF International Clinicians' Forum – Member, 1998-2000
18. National Neurofibromatosis Foundation Clinical Care Advisory Board – Member, 2000-present
19. U.S. Food and Drug Administration Pregnancy Labeling Advisory Subcommittee – Member 2000.
20. Genome BC Genomics Society and Ethics Advisory Committee – Member, 2009 - present

(d) Editorships (list journal and dates)

1. *American Journal of Human Genetics*, Education Section – Editorial Board Member, 1991-1993
2. *Teratology*, Section Editor (Epidemiology), 1992-1999
3. Medical Genetics Internet Journal Club – Editorial Board 1997-1998
4. *GeneClinics*, Associate Editor, 1997-present
5. *Clinical Genetics*, Editorial Board Member, 1998-present

6. *Genetics In Medicine*, Associate Editor, 1998-2006
7. *Birth Defects Research: Clinical and Molecular Teratology*, Associate Editor, 2002-present
8. *American Journal of Human Genetics*, Associate Editor, 2006-2009
9. *American Journal of Medical Genetics Part C: Seminars in Medical Genetics*, Guest Editor – *Emerging Issues in Teratology* (in press)

(e) Reviewer (journal, agency, etc. including dates)

Journals

1. *Archives of Pediatrics and Adolescent Medicine*
2. *American Journal of Epidemiology*
3. *American Journal of Human Genetics*
4. *American Journal of Medical Genetics*
5. *American Journal of Medical Genetics: Neuropsychiatric Genetics*
6. *American Journal of Obstetrics and Gynecology*
7. *American Journal of Pathology*
8. *American Journal of Pharmacogenomics*
9. *American Journal of Public Health*
10. *Annals of Human Genetics*
11. *Archives of Dermatology*
12. *Archives of Disease in Childhood*
13. *Birth Defects Research, Part A: Clinical and Molecular Teratology*
14. *Birth Defects Research, Part B: Developmental and Reproductive Toxicology*
15. *BMC Genomics*
16. *BMC Medical Genetics*
17. *BMC Public Health*
18. *British Journal of Clinical Pharmacology*
19. *British Journal of Pharmacology*
20. *Canadian Journal of Anesthesia*
21. *Canadian Journal of Public Health*
22. *Canadian Medical Association Journal*
23. *Cancer*
24. *Cell Biochemistry and Biophysics*
25. *Circulation*
26. *Clinical Chemistry*
27. *Clinical and Investigative Medicine*
28. *Clinical Genetics*
29. *Community Genetics*
30. *Current Drug Safety*

31. *Dermatology*
32. *Diabetes*
33. *Early Human Development*
34. *EMBO Molecular Medicine*
35. *Epidemiology*
36. *European Journal of Pediatrics*
37. *Expert Reviews in Molecular Medicine*
38. *Expert Reviews of Neurotherapeutics*
39. *G3: Genes: Genomes: Genetics*
40. *Genetic Epidemiology*
41. *Genetics in Medicine*
42. *History of Intellectual Culture*
43. *Human Genetics*
44. *Human Molecular Genetics*
45. *Human Mutation*
46. *Human Reproduction*
47. *Journal of the American Academy of Dermatology*
48. *Journal of the American Medical Association*
49. *Journal of Clinical Endocrinology and Metabolism*
50. *Journal of Clinical Psychiatry*
51. *Journal of Intellectual Disability Research*
52. *Journal of Maternal-Fetal Medicine*
53. *Journal of Medical Genetics*
54. *Journal of Molecular Diagnostics*
55. *Journal of Neurodevelopmental Disorders*
56. *Journal of Pediatrics*
57. *Journal of Women's Health*
58. *Lancet Neurology*
59. *Nature Genetics*
60. *Neurobiology of Disease*
61. *Neurology*
62. *Neuroscience Letters*
63. *New England Journal of Medicine*
64. *Obstetrics and Gynecology*
65. *Paediatrics & Child Health*
66. *Pharmacoepidemiology and Drug Safety*
67. *Pediatrics*

- 68. *Prenatal Diagnosis*
- 69. *Reproductive BioMedicine Online*
- 70. *Reproductive Toxicology*
- 71. *Science*
- 72. *Teratology*

Granting Agencies

- 1. Ad Hoc Grant Reviewer for March of Dimes Birth Defects Foundation
- 2. Ad Hoc Grant Reviewer for Medical Research Council (Canada)
- 3. Ad Hoc Grant Reviewer for National Institutes of Health (U.S.A.)
- 4. Ad Hoc Grant Reviewer for Hospital for Sick Children Research Foundation
- 5. Ad Hoc Grant Reviewer for Children's Hospital of Eastern Ontario Research Foundation
- 6. Ad Hoc Grant Reviewer for the Wellcome Trust
- 7. Grant reviewer for U.S. Army Neurofibromatosis Research Program
- 8. External Grant Reviewer for Canadian Institutes of Health Research
- 9. External Grant Reviewer for Institut des Maladies Rares, France
- 10. Ad Hoc Grant Review for National Institute of Environmental Health Sciences (USA)
- 11. Invited Reviewer, Canadian Institutes of Health Research Genetics Panel, 2008
- 12. Member, Canadian Institutes of Health Research Training Grant Committee A, 2009-present
- 13. Member, NIH Rare Disease Research Network Review Committee, 2009

(f) External examiner (indicate universities and dates)

- 1. Kathryn North, M.D. Thesis, University of Sydney, Australia, Oct. 1993

(g) Consultant (indicate organization and dates)

- 1. Down Syndrome Guild – Medical Advisor, Dallas, TX, 1984-1986
- 2. Centers for Disease Control Study of Birth Defects Related to Electromagnetic Fields, Atlanta, Georgia - Consultant 1991
- 3. Biological Sciences Curriculum Study, Curriculum on Mapping and Sequencing the Human Genome, Colorado Springs, Colorado - Advisor 1991-1992
- 4. World Health Organization, Workshop on Harmonization of Risk Assessment in Reproductive Toxicity – Consultant, Washington, DC, 1995
- 5. Varivax Pregnancy Registry (U.S. Centers for Disease Control/Merck, Inc.) – Consultant 1995-2000
- 6. Ontario Council on Graduate Studies – Consultant, Toronto, ON, 1997
- 7. University of Calgary Faculty of Medicine – Consultant, Calgary, AB, 1997
- 8. Centers for Disease Control, Development of Policy on Release of Thalidomide for Therapeutic Use - Consultant. Atlanta, Georgia, 1997.
- 9. Montreal Children's Hospital – Consultant. Montreal, Quebec, 2001
- 10. Centers for Disease Control, Pregnancy Registries – Consultant. Vienna, Virginia, 2002

11. University of California, Irvine, College of Medicine – Consultant. Irvine, CA, 2002
12. *BioMed Central: Medical Genetics* – Advisor, 2002
13. Centers for Disease Control, Workshop on West Nile Virus Infection in Pregnancy – Consultant. Denver, CO, 2003
14. Healthy Gametes and Great Embryos Project, McGill University – Consultant, Montreal, QC, 2003–present
15. Bupropion in Pregnancy Register – Advisor, 2004–2008
16. Winnipeg Regional Health Authority – Consultant, Winnipeg, MB, 2005
17. Centers for Disease Control, Single Gene Disorder and Disability Special Emphasis Review Panel – Consultant, Atlanta, GA, 2006
18. Centers for Disease Control, Birth Defects Branch Review Panel, Consultant, Atlanta, GA, 2007
19. Centers for Disease Control, National Center on Birth Defects and Developmental Disabilities, Consultant, Atlanta, GA, 2007
20. i3 Drug-safety Consultant, Waltham, MA, 2007-2009
21. Glaxo, Smith, Kline – Consultant, Philadelphia, PA, 2008-2009
22. International Life Sciences Institute, Health and Environmental Sciences Institute, Development and Reproductive Toxicology Technical Committee – Consultant, Washington, DC, 2009-

(h) Other service to the community

1. Executive Committee, Metro Dallas Chapter, March of Dimes Birth Defects Foundation, Member 1979-1981
2. Odyssey of The Mind, Coach 1986, 1987, 1989, 1990, 1992, 1993
3. Odyssey of The Mind, Judge 1988, 1991, 1994

12. AWARDS AND DISTINCTIONS

(a) Awards for Teaching (indicate name of award, awarding organizations, date)

1. UBC Department of Medical Genetics Clinical Teaching Award 1995 (first time awarded)
2. UBC Department of Medical Genetics Basic Science Teaching Award 2009
3. UBC Killam Teaching Award – Faculty of Medicine, 2010
4. Major awards for scholarship received by graduate students supervised:
 - Roxana Moslehi – University graduate fellowship
 - Women’s Hospital Foundation graduate fellowship
 - Jacek Szudek – University graduate fellowship
 - Tracy Tucker – University graduate fellowship
 - James Miller Award
 - Sura Alwan – Best Paper Presentation by a Graduate Student – Teratology Society Annual Meeting
 - University graduate fellowship
 - Child & Family Research Institute Graduate Fellowship

- Farah Zahir
 - University graduate fellowship
 - Effie I. Lefeaux Scholarship
 - Harry and Florence Dennison Fellowship
 - UBC Killam Predoctoral Scholarship
 - Child & Family Research Institute Graduate Studentship
 - NeuroDevNet Postdoctoral Fellowship
- Kimberly Jett
 - University graduate fellowship
- Cristina Dias
 - Child & Family Research Institute Postdoctoral Fellowship
 - Canadian Child Health Clinician Scientist Doctoral Award

(b) Awards for Scholarship (indicate name of award, awarding organizations, date)

1. Tulane Scholar 1965-1967
2. NIH Special Traineeship 1967
3. Alpha Epsilon Delta 1967
4. Cancer Assoc. of Greater New Orleans Student Fellowship 1969-1970
5. "The Effects of Drugs on the Fetus and Nursing Infant" (by J.M. Friedman and J. Polifka), listed as one of the best health science books of 1997 by Doody's Rating Service
6. Nominated for the Charles C. Shepard Science Award for the most outstanding peer-reviewed research paper published by CDC scientists in 2002
7. Thomas Shepard Award, Organization of Teratogen Information Specialists, 2006
8. Nominated twice for the Charles C. Shepard Science Award for the most outstanding research paper published by CDC scientists in 2006
9. Nominated for the Charles C. Shepard Science Award for the most outstanding peer-reviewed research paper published by CDC scientists in 2007
10. Bock Prize and Lectureship in Developmental Biology and Genetics, Alfred I. DuPont Hospital for Children of the Nemours Foundation, 2008
11. Robert L. Brent Lecturer, Teratology Society, 2008
12. Nominated for the Charles C. Shepard Science Award for the most outstanding peer-reviewed research paper published by CDC scientists in 2008
13. Josef Warkany Lecturer, Teratology Society, 2009
14. Irene Uchida Lecturer, University of Manitoba, 2009
15. Terry Klassen Lecturer, Women's & Children's Health Research Institute, Edmonton, Alberta, 2010

(c) Awards for Service (indicate name of award, awarding organizations, date)

1. "Wings to Life" Award, March of Dimes Birth Defects Foundation 1984
2. Travis Ahrens Memorial Award, Down Syndrome Guild 1985
3. National Neurofibromatosis Foundation Center of Excellence Award 2001 (first award given)
4. Founders Award, Canadian College of Medical Geneticists, 2005

13. OTHER RELEVANT INFORMATION

University of Washington, Department of Pediatrics, Affiliated Associate Professor to Clinical Professor:
1987-present

Oregon Health Sciences University, Department of Medical Genetics, Adjunct Associate Professor: 1987-
1990

**University of British Columbia
Publications Record**

Date: 26 October 2011

Initials:

SURNAME: Friedman

FIRST NAME: Jan

MIDDLE NAME(S): Marshall

01. Refereed Publications

(a) Journals

- 1 Friedman JM, Sternberg WH, Varela M, Barclay DL. Trisomy-21 in mother and child: Report of a case. *Obstet Gynecol* 36:731-734, 1970.
- 2 Friedman JM, Kaplan HG, Hall JG. The Jeune syndrome (asphyxiating thoracic dystrophy) in an adult. *Am J Med* 59:857-862, 1975.
- 3 Friedman JM. Inheritance of susceptibility to histocompatibility associated disease. *Lancet* 1:49, 1976.
- 4 Friedman JM, Fialkow PJ. Cell marker studies in human tumorigenesis. *Transplant Rev* 28:17-33, 1976
- 5 Friedman JM, Fialkow PJ. Viral "tumorigenesis" in man: Cell marker studies in condylomata acuminata. *Int J Cancer* 17:57-61, 1976.
- 6 Friedman JM, Fialkow PJ. Familial carcinoma of the pancreas. *Clin Genet* 9:463-469, 1976.
- 7 Friedman JM, Fialkow PJ, Davis SD, Ochs HD, Wedgwood RJ. Autoimmunity in the relatives of patients with immunodeficiency diseases. *Clin Exp Immunol* 28:375-388, 1977.
- 8 Friedman JM, Hanson JW, Graham CB, Smith DW. Saethre-Chotzen syndrome: A broad and variable pattern of skeletal malformations. *J Pediatr* 91:929-933, 1977.
- 9 Pachman LM, Jonasson O, Cannon RA, Friedman JM. HLA-B8 in juvenile dermatomyositis. *Lancet* 2:567-568, 1977.
- 10 Friedman JM, Fialkow PJ. The genetics of Graves disease. *Clin Endocrinol Metab* 7:47-65, 1978.
- 11 Friedman JM, Paul MH. Studies of the HLA complex in families of children with congenital heart disease. *Tissue Antigens* 11:479-483, 1978.
- 12 Fialkow PJ, Bryant JI, Friedman JM. Specificity of acquired clonal chromosomal abnormalities in New Zealand black mice. *Int J Cancer* 21:505-510, 1978.
- 13 Friedman JM, Fialkow PJ, East J, Bryant JI, Salo AC. Longitudinal studies of chromosomal abnormalities and reticulum cell sarcoma in New Zealand black mice. *Int J Cancer* 22:454-457, 1978.

- 14 Friedman JM, Fialkow PJ, Bryant JI, Reddy AL, Salo AC. Neoplastic behavior of chromosomally abnormal clones in New Zealand black mice. *Int J Cancer* 22:458-464, 1978.
- 15 Fialkow PJ, Singer JW, Adamson JW, Berkow RL, Friedman JM, Jacobson RJ, Moohr JW. Acute non-lymphocytic leukemia: Expression in cells restricted to granulocytic/monocytic differentiation. *N Engl J Med* 301:1-5, 1979.
- 16 Harrod MJE, Friedman JM, Jimenez J, Santos-Ramos R, Byrne JB, Dev VG, Weinberg AG. Rapidly adhering amniotic-fluid cells and prenatal diagnosis of neural tube defects. *Lancet* 2:99, 1979.
- 17 Friedman JM, Fialkow PJ. The genetics of diabetes mellitus. *Prog Med Genet* 4:199-232, 1980.
- 18 Friedman JM. Binary developmental commitments in normal and abnormal human morphogenesis. *Clin Genet* 18:34-41, 1980.
- 19 Friedman JM, Fish RD. The use of probability trees in genetic counselling. *Clin Genet* 18:408-412, 1980.
- 20 Friedman JM. Genetic disease in the offspring of "older" fathers. *Obstet Gynecol* 57:745-749, 1981.
- 21 Friedman JM, Harrod MJE. Genetic misconceptions. *South Med J* 75:56-58, 1982.
- 22 Friedman JM. Prenatal diagnosis of birth defects and the "right to life". *Perinatology-Neonatology* 6:13, 104, 1982.
- 23 Friedman JM, Harrod MJE. An unusual connective tissue disease in mother and son: A "new" type of Ehlers-Danlos syndrome? *Clin Genet* 21:168-173, 1982.
- 24 Friedman JM. Can maternal alcohol ingestion cause neural tube defects? *J Pediatr* 101:232-234, 1982.
- 25 Friedman JM, Fialkow PJ, Green CL, Weinberg MN. Probable clonal origin of neurofibrosarcoma in a patient with hereditary neurofibromatosis. *J Nat Cancer Inst* 69:1289-1292, 1982.
- 26 Neu KW, Friedman JM, Howard-Peebles PN. Hemifacial microsomia in cri-du-chat (5p-) syndrome. *J Cranio Genet* 2:295-298, 1982.
- 27 Friedman JM, Pachman LM, Maryjowski ML, Jonasson O, Battles ND, Crowe WE, Fink CW, Hanson V, Levinson JE, Spencer CH, Sullivan DB. Immunogenetic studies of juvenile dermatomyositis: HLA antigens in patients and their families. *Tissue Antigens* 21:45-49, 1983.
- 28 Friedman JM, Pachman LM, Maryjowski ML, Radvany RM, Crowe WE, Hanson V, Levinson JE, Spencer CH. Immunogenetic studies of juvenile dermatomyositis: HLA-DR antigen frequencies. *Arthritis Rheum* 26:214-216, 1983.
- 29 Friedman JM. Does Agent Orange cause birth defects? *Teratology* 29:193-221, 1984.
- 30 Seoud M, Santos-Ramos R, Friedman JM. Early prenatal ultrasonic findings in Klippel-Trenaunay-Weber syndrome. *Prenatal Diagnosis* 4:227-230, 1984.
- 31 Harrod MJE, Friedman JM, Santos-Ramos R, Rutledge J, Weinberg A. Etiologic heterogeneity of fetal hydrocephalus diagnosed by ultrasound. *Am J Obstet Gynecol* 150:38-40, 1984.

- 32 Harrod MJE, Friedman JM, Currarino G, Pauli RM, Langer LO. Genetic heterogeneity in spondyloepiphyseal dysplasia congenita. *Am J Med Genet* 18:311-320, 1984.
- 33 Friedman JM, Santos-Ramos R. Natural history of X-linked aqueductal stenosis in the second and third trimesters of pregnancy. *Am J Obstet Gynecol* 150:104-106, 1984.
- 34 Rutledge JC, Friedman JM, Harrod MJE, Currarino G, Wright CG, Pickney L, Chen H. A "new" lethal multiple congenital anomaly syndrome: Joint contractures, Cerebellar hypoplasia, Renal hypoplasia, Urogenital anomalies, Tongue cysts, Shortness of limbs, Eye abnormalities, Defects of the heart, Gallbladder agenesis, and Ear malformations. *Am J Med Genet* 19:255-264, 1984.
- 35 Friedman JM. Genetic counselling for autosomal dominant diseases with a negative family history. *Clin Genet* 27:68-71, 1985.
- 36 Pachman LM, Friedman JM, Maryjowski-Sweeny ML, Jonnason O, Radvany RM, Sharp GC, Cobb MA, Battles ND, Crowe WE, Fink CW, Hanson V, Levinson JE, Spencer CH, Sullivan DB. Immunogenetic studies of juvenile dermatomyositis: III. Study of antibody to organ-specific and nuclear antigens. *Arthritis Rheumat* 28:151-157, 1985.
- 37 Bauer K, Howard-Peebles PN, Keele D, Friedman JM. Wolf Hirschhorn (4p-) syndrome due to 1:3 segregation of a maternal 4/21 translocation. *Am J Med Genet* 21:351-356, 1985.
- 38 Friedman JM, Aster RH. Neonatal alloimmune thrombocytopenic purpura and congenital porencephaly in two siblings associated with a "new" maternal antiplatelet antibody. *Blood* 63:1412-1415, 1985.
- 39 Howard-Peebles PN, Friedman JM. Unaffected carrier males in families with fragile X syndrome. *Amer J Hum Genet* 37:956-964, 1985.
- 40 Friedman JM. Umbilical dysmorphology: The importance of contemplating the belly button. *Clin Genet* 28:343-347, 1985.
- 41 Rutledge JC, Weinberg AG, Friedman JM, Harrod MJ, Santos-Ramos R. Anatomic correlates of ultrasonographic prenatal diagnosis. *Prenatal Diagnosis* 6:51-61, 1986.
- 42 Byrne JLB, Harrod MJE, Friedman JM, Howard-Peebles PN. Del(20p) with manifestations of arteriohepatic dysplasia. *Am J Med Genet* 24:673-678, 1986.
- 43 Friedman JM, Howard-Peebles PN. Inheritance of fragile X syndrome. *Am J Med Genet* 23:701-713, 1986.
- 44 Currarino G, Friedman JM. A severe form of congenital contractural arachnodactyly in two newborns. *Am J Med Genet* 25:763-773, 1986.
- 45 Currarino G, Friedman JM. Severe craniofacial sclerosis with multiple anomalies in a boy and his mother. *Pediatr Radiol* 16:441-447, 1986.
- 46 Christensen ML, Pachman LM, Schneiderman R, Patel DC, Friedman JM. Prevalence of Coxsackie B virus antibodies in patients with juvenile dermatomyositis. *Arthritis Rheumat* 29:1365-1370, 1986.
- 47 Friedman JM, Smith JP, Lerner BN, Helgeson JS, Howard-Peebles PN, Mize CE, Mize SG, Singleton WL, Smith ME. ReCAP: The Registry of Cytogenetic Abnormalities and Phenylketonuria. *Amer J Med Genet* 27:325-336, 1987.

- 48 Klein VR, Friedman JM, Brookshire GS, Brown OE, Edman CD. Kallmann Syndrome associated with choanal atresia. *Clin Genet* 31:224-227, 1987.
- 49 Palmer CG, Friedman JM, Howard-Peebles PN, Magenis RE, Miles JH, Patil SR. Chromosome analysis following ascertainment of fetal anomalies by ultrasound. *Prenatal Diagnosis* 7:551-555, 1987.
- 50 Friedman JM. Teratogens and growth. *Growth, Genetics and Hormones* 3(4):6-8, 1987.
- 51 Friedman JM. Teratogen update: Anesthetic Agents. *Teratology* 37:69-77, 1988.
- 52 Chitayat D, Friedman JM, Anderson L, Dimmick JE. Hepatocellular carcinoma in a child with familial Russell-Silver syndrome. *Amer J Med Genet* 31:909-914, 1988.
- 53 Hoefler G, Hoefler S, Watkins PA, Chen WW, Moser A, Baldwin V, McGillivray B, Charrow J, Friedman JM, Rutledge L, Hashimoto T, Moser HW. Biochemical abnormalities in rhizomelic chondrodysplasia punctata. *J Pediatr* 112:726-733, 1988.
- 54 Hall JG, Friedman JM, Keena BA, Popkin J, Jawanda M, Arnold W. Clinical, genetic and epidemiological factors in neural tube defects. *Amer J Hum Genet* 43:827-837, 1988.
- 55 Bamforth JS, Leonard CO, Chodirker BN, Chitayat D, Gritter HL, Evans JA, Keena B, Pantzar T, Friedman JM, Hall JG. Congenital diaphragmatic hernia, coarse facies and acral hypoplasia: Fryns syndrome. *Amer J Med Genet* 32:93-99, 1989.
- 56 Game K, Friedman JM, Paradise B, Norman MG. Fetal growth retardation, hydrocephalus, hypoplastic multilobed lungs, and other anomalies in 4 sibs: A new syndrome? *Amer J Med Genet* 33:276-279, 1989.
- 57 Vasarhelyi K, Friedman JM. Analyzing rearrangement breakpoint distributions by means of binomial confidence intervals. *Annals Hum Genet* 53:375-380, 1989.
- 58 Bamforth JSG, Riccardi VM, Thiessen P, Chitayat D, Friedman JM, Caruthers J, Hall JG. Encephalocraniocutaneous lipomatosis: Two case reports and a review of the literature. *Neurofibromatosis* 2:166-173, 1989.
- 59 Gilchrist DM, Friedman JM. Teratogens and IV cyclophosphamide. *J Rheumatol* 16:1008-1009, 1989.
- 60 Gilchrist DM, Friedman JM, Rogers PCJ, Creighton SP. Myelodysplasia and leukemia syndrome with monosomy 7 - a genetic perspective. *Amer J Med Genet* 35:437-441, 1990.
- 61 Game K, Friedman JM, Kalousek DK. Mild phenotypic abnormalities in combined del 9p2 and dup 3p2. *Amer J Med Genet* 35:370-372, 1990.
- 62 Chitayat D, Friedman JM, Johnston MM. Hypomelanosis of Ito - A non-specific marker of somatic mosaicism - Report of a case with trisomy 18 mosaicism. *Amer J Med Genet* 35:422-424, 1990.
- 63 Friedman JM, Little BB, Brent RB, Cordero JF, Hanson JW, Shepard TH. Potential human teratogenicity of frequently prescribed drugs. *Obstet Gynecol* 75:594-599, 1990.
- 64 Cooper G, Friedman JM. Interpreting chromosomal abnormalities using Prolog. *Computers Biomed Res* 23:153-164, 1990.

- 65 Chitayat D, Friedman JM, Dimmick JE. Neuroblastoma in a child with Wiedemann-Beckwith syndrome. *Amer J Med Genet* 35:433-436, 1990.
- 66 Magenis RE, Toth-Fejel S, Allen LJ, Black M, Brown MG, Budden S, Cohen R, Friedman JM, Kalousek D, Zonana J, Lacy D, LaFranchi S, Lahr M, MacFarlane J, Williams CPS. Comparison of the 15q deletions in Prader-Willi and Angelman syndromes: Specific regions, extent of deletions, parental origin, and clinical consequences. *Amer J Med Genet* 35:333-349, 1990.
- 67 Chitayat D, Rothchild A, Ling E, Friedman JM, Couch R, Yong S-L, Baldwin VJ, Hall JG. Apparent postnatal onset of some manifestations of the Wiedemann-Beckwith syndrome. *Amer J Med Genet* 36:434-439, 1990.
- 68 Gilchrist DM, Friedman JM, Wilson RD. Maternal serum alpha-fetoprotein in pregnancy. *Amer J Obstet Gynecol* 163:692-693, 1990.
- 69 Gilchrist DM, Friedman JM, Werker D. Life-threatening status asthmaticus at 12.5 weeks gestation - Report of a normal pregnancy outcome. *Chest* 100:285-286, 1991.
- 70 Polifka JE, Friedman JM. Teratogenic effects of "recreational" drugs. *Canadian Family Physician* 37:1953-1961, 1991.
- 71 Wargowski DS, Chitayat D, Tyson RW, Norman MG, Friedman JM. Lethal congenital muscular dystrophy with cataracts and a minor brain anomaly: New entity or variant of Walker-Warburg syndrome? *Amer J Med Genet* 39:19-24, 1991.
- 72 Friedman JM. Eugenics and the "new genetics". *Perspect Biol Med* 35:145-154, 1991.
- 73 Friedman JM, Blitzer MG. Workshop on Human Genetics Education. *Amer J Hum Genet* 49:1127-1128, 1991.
- 74 Harrod MJ, Friedman JM. Congenital cataracts in mother, sister, and son of a patient with Hallermann-Streiff syndrome: Coincidence or clue? *Amer J Med Genet* 41:500-502, 1991.
- 75 Friedman JM. The use of dysmorphology in birth defects epidemiology. *Teratology* 45:187-193, 1992.
- 76 Friedman JM, Harrod MJE, Howard-Peebles PN. Complementary duplication and deletion of 17(pcen->p11.2): A family with a supernumerary chromosome comprised of an interstitially deleted segment. *Amer J Med Genet* 44:37-40, 1992.
- 77 Gorski SM, Adams KJ, Birch PH, Friedman JM, Goodfellow PJ. The gene responsible for X-linked cleft palate (CPX) in a British Columbia Native kindred is localized between PGK1 and DXYS1. *Amer J Hum Genet* 50:1129-1136, 1992.
- 78 Friedman JM. Effects of drugs and other chemicals on fetal growth. *Growth, Genetics and Hormones* 8(4):1-5, 1992.
- 79 Lopez-Rangel E, Maurice M, McGillivray B, Friedman JM. Williams syndrome in adults. *Amer J Med Genetics* 44:720-729, 1992.
- 80 Friedman JM, Birch P, Greene C, and the NFF International Database Participants. National Neurofibromatosis Foundation International Database. *Amer J Med Genetics* 45:88-91, 1993.

- 81 Kumar A, Friedman JM, Taylor G, Patterson MWH. Pattern of cardiac malformation in oculovertebral spectrum. *Amer J Med Genetics* 46:423-426, 1993.
- 82 Lopez-Rangel E, Hrynychak M, Friedman JM. Cardio-Facio-Cutaneous (CFC) syndrome in child carrying an inherited inversion of chromosome 7. *Amer J Med Genetics* 47:326-329, 1993.
- 83 Friedman JM. Report of the Teratology Society Public Affairs Committee Symposium on FDA Classification of Drugs. *Teratology* 48:5-6, 1993.
- 84 Van Allen MI, Kalousek DK, Chernoff GF, Juriloff D, Harris M, McGillivray BC, Yong S-L, Langlois S, MacLeod PM, Chitayat D, Friedman JM, Wilson RD, McFadden D, Pantzar J, Ritchie S, Hall JG. Evidence for Multisite Closure of the Neural Tube in Humans. *Amer J Med Genetics* 47:723-743, 1993.
- 85 Van Allen MI, Fraser FC, Dallaire L, Allanson J, McLeod DR, Andermann E, Friedman JM. Recommendations on the use of folic acid and supplementation to prevent the recurrence of neural tube defects. *Can Med Assoc J* 149:1239-1243, 1993.
- 86 Cohen LS, Friedman JM, Jefferson JW, Johnson M, Weiner ML. A reevaluation of risk of in utero exposure to lithium. *J Amer Med Assoc* 271:(6)146-150, 1994.
- 87 Martin KA, Junker AK, Thomas EE, Van Allen MI, Friedman JM. Occurrence of chickenpox during pregnancy in women seropositive to varicella-zoster virus. *J Infect Dis* 170:991-995, 1994.
- 88 Friedman JM, and the Teratology Society Public Affairs Committee. FDA Classification of Drugs for Teratogenic Risk. *Teratology* 49:446-447, 1994.
- 89 Friedman JM, Davidson R, and the ASHG Information and Education Committee. Report from the ASHG Information and Education Committee: Medical School Core Curriculum in Genetics. *Am J Hum Genetics* 56:535-537, 1995.
- 90 Friedman JM. Association of Professors of Human or Medical Genetics. Summary of the First Annual Workshop. *Amer J Med Genet* 65:235-240, 1996.
- 91 Polifka JE, Dolan C, Donlan M, Friedman JM. High dose β -carotene use during pregnancy. *Teratology* 54:103-107, 1996.
- 92 Bishop JB, Dellacro VL, Hassold T, Ferguson LR, Wyrobek AJ, Friedman JM. Aneuploidy in germ cells: Etiologies and risk factors. *Environ Molec Mutagen* 28:159-166, 1996.
- 93 Friedman JM. Therapeutic teratology: The 1996 Teratology Society Public Affairs Symposium. *Teratology* 54:303-304, 1996.
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- 95 Friedman JM, Birch P. An association between optic glioma and other tumours of the central nervous system in neurofibromatosis type 1. *Neuropediatrics* 28:131-132, 1997.
- 96 Friedman JM, Birch PH: Type 1 Neurofibromatosis: A descriptive analysis of the disorder in 1,728 patients. *Amer J Med Genetics* 70:138-143, 1997.

- 97 Friedman JM. Association of Professors of Human or Medical Genetics. Second Annual Workshop Summary. *Amer J Med Genetics* 72:91-96, 1997.
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Computer Programs and Databases

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- 7 NF1 Mutation Database (with S. Rudolph and P. Birch), 2004.
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