

Date: September 17, 2020

Curriculum Vitae

DR. JONATHAN PAUL WILLMER

EDUCATION / QUALIFICATIONS

Post Graduate Education:

Queen's University, Kingston, Ontario 1980, M.D.
F.R.C.P.(C) - Neurology (1985) (maintained active)

Undergraduate or College Education:

Queen's University, Kingston, Ontario Bachelor of Science (Hons.) 1976

Licensure:

British Columbia (#15388) — until 2009

PROFESSIONAL EXPERIENCE

CURRENT AND RECENT POSITIONS AND WHEN APPOINTED:

07 / 2018 - VP, Clinical Sciences, Atara Biosciences, Thousand Oaks, CA

2017 – 06 / 2018 Executive Medical Director, Global Clinical Development Center, Global Program Medical Lead – EMD Serono, Billerica, MA, U.S.A.

2015 - 2017 Senior Medical Director, Global Clinical Development Center, Global Program Medical Lead – EMD Serono, Billerica, MA, U.S.A.

2015 Senior Medical Director, Global Research and Development, Translational Innovation Platform, Immunology – EMD Serono, Billerica, MA, U.S.A.

2012 - 2015 Head, Clinical Neurology, MS Platform, Global Research and Early Development– Merck Serono SA, Geneva, Switzerland and EMD Serono, Billerica, MA, U.S.A.

2009 - 2012 Medical Director, Global Clinical Development Unit, Early Clinical Development, Neurodegenerative Diseases — Merck Serono SA, Geneva Switzerland

AREAS OF CLINICAL EXPERIENCE / EXPERTISE:

Designing and implementing proof of concept studies in early development — Alzheimer's disease, Parkinson's disease, MS, and other autoimmune indications (SLE, RA).

Development of a startup biotechnology company focusing on development of treatments for chronic inflammatory and degenerative central nervous system diseases.

Development of Phase 1 / Clinical Pharmacology Unit for CroMedica Global (spun off as Prime Trials Inc. in 2002, became Cantest Clinical Research in 2006) and development of Medical Affairs Group for a global CRO. Experience in conducting clinical trials, especially early stage and neurotherapeutic trials.

Involved in University of Ottawa diagnostic and research clinic for Alzheimer's and other dementias eventually becoming the Clinic Director. (1987-1998)
Alzheimer clinical trials from phase 1 - 4, imaging and cognitive scale research, one of founding members of C5R (Canadian consortium of dementia clinics), and involvement as a key site in Canadian Study of Health and Aging (a registry study with a major emphasis on cognition and dementia)

Involved in University of Ottawa/Ottawa General Hospital Sleep Disorder Clinic including patient evaluation in sleep laboratories and interpretation of polysomnograms and other diagnostic procedures; involvement in research projects and clinical trials in sleep disorders. (1987 — 1998)

Cognitive neurology (including dementia, head injury, toxin exposure), sleep disorders (including sleep apnea, narcolepsy, parasomnias, insomnia, circadian rhythm disturbances, and sleep disorders associated with fibromyalgia / chronic fatigue syndrome, and other medical disorders), and general neurology (including back, neck and peripheral nerve injury). Experience dealing with lawyers and insurance companies, and appearance in court as an expert witness.

BOARD POSITIONS

2008 - 2009 IRB Services, Reviewer (Commercial Ethics Review Board)- Vancouver
2008 – 2017 Network Immunology, Board of Directors- Vancouver
2008 - 2009 Medical Advisor, Posh Cosmeceuticals Inc.- Vancouver
2006 - 2008 Network Immunology, Scientific Advisory Board- Vancouver
2006 - 2009 Expert Advisory Board on Biotechnology Infrastructure to South African Government
2003 – 2012 Virtus ClinicalDevelopment, Scientific Advisory Board- Capetown
2000 - 2008 Proteotech Ttd., Scientific Advisory Board– Kirkland, WA, USA
2001- 2003 Carevoyance Ltd., Scientific Advisory Board- Vancouver
2000 - 2002 ABR Laboratories Ltd., Board of Directors- Vancouver

PREVIOUS APPOINTMENTS:

2007 - 2009 Chief Medical Officer, Neurokine Pharmaceuticals Inc.
1997 - 2009 Part time clinical practice (medico-legal, insurance, occupational)
2007 - 2008 Director, Clinical Development, ProteoTech Inc.
2006 - 2008 Chief Medical Officer, Cantest Clinical Research Inc.
2002 - 2006 Chief Medical Officer, Primetrials Inc.
2001 - 2002 Vice President Medical Affairs, CroMedica Global Inc.
1998 - 2001 Vice President Clinical Development, CroMedica Global Inc.
1988 - 1998 Assistant Professor - Medicine (Neurology), University of Ottawa
1992 - 1998 Director, Memory Disorder Clinic, Elisabeth Bruyere Health Centre, Ottawa, Ontario
1986 - 1987 Clinical lecturer - Medicine (Neurology), University of Ottawa

1985 - 1986 Neuropathology resident, Kingston General Hospital, Kingston, Ontario.
1985 Neurology resident, E.E.G. Laboratory, Kingston General Hospital, Kingston, Ontario.
1984 Neuropathology resident, Kingston General Hospital, Kingston, Ontario.
1982 - 1984 Neurology residency, Kingston General Hospital, Kingston, Ontario. 1981 - 1982 Internal medicine residency, Kingston General and Hotel Dieu Hospitals, Kingston, Ontario.
1980 - 1981 Medical internship, North Canterbury Hospital Board, Christchurch, New Zealand.

CURRENT & RECENT HOSPITAL APPOINTMENTS:

1992 - 1998 Active staff, Elisabeth Bruyere Health Centre

1986 - 1998 Active staff, Ottawa General Hospital

PROFESSIONAL MEMBERSHIPS:

- Ontario Medical Association
- BC Medical Association
- Canadian Medical Association
- Canadian Congress of Neurological Sciences
- American Academy of Neurology
- American Society of Clinical Pharmacology and Therapeutics
- American Association of Pharmaceutical Scientists (past)
- Drug Information Association (past)
- American Society for Experimental Neurotherapeutics (past)
- Canadian Consortium of Clinical Centers for Cognitive Research (past)

PROFESSIONAL DEVELOPMENT:

Courses and Specialized Training

2011 BioPharma Program — Executive Leadership — London Business School
2007 GCP refresher course
2007 Conflict management (Justice Institute of BC)
2003 Radionuclide Methodology and Safety Course, University of British Columbia
2003 CPR Recertification Course
2003 GCP Training Course
2000 CMA-PMI Course — Parts I-IV and Refresher (Management training institute for medical professionals)
2000 The Business Case for Pharmacogenomics (CBI 2nd Annual)
1999 Faster Phase I Clinical Trials
2011 London Business School, Biopharma course

Skills:

Advanced computer and research skills
Photography - advanced

RELEVANT VOLUNTEER EXPERIENCE AND ACTIVITIES:

- CMA Journal - Reviewer
- Medical Council of Canada Examiner
- Alzheimer's Society of Canada — Grant Reviewer

SCHOLARLY AND PROFESSIONAL ACTIVITIES:

- 1996 Development of neuroscience program at Elisabeth Bruyere - SCOHS
- 1996 - 1998 Consultant to Cromedica (clinical research organization)
- 1996 Principal physician to Canadian Study of Health and Aging - Part 2 - Ottawa site
- 1996- Consultant neurologist to Pacific Neurosciences Institute
- 1982 - 1987 Courtesy Staff, Emergency Department, Trenton Memorial Hospital, Trenton, Ontario.
- 1995 Facilitated merger of Royal Ottawa Hospital Memory Disorder Clinic with the Elisabeth Bruyere Memory Disorder Clinic - now only large multidisciplinary dementia clinic in Ottawa.
- 1995 Director combined Memory Disorder Clinic
- 1995 Attended workshop on teaching methods, Ottawa Civic Hospital, Feb. 17, 1995
- 1995 CMA - PMI leadership/ management courses, Part 1 and 2, Kananaskis July 1995
- 1995 CMA - PMI leadership/ management courses, Part 3 and 4, Victoria Oct. 1995
- 1994 Member research advisory group - Elisabeth Bruyere Health Centre
- 1994 - Reviewer - CMA Journal
- 1992 On steering committee for University of Ottawa Memory Disorder Clinics
- 1992 Canadian representative on publication committee for results of first multicentre trial of nimodipine in dementia of the Alzheimer type
- 1992 - Member - Consortium of Canadian Centres for Clinical Cognitive Research (C5R)
- 1992 - Reviewer - Alzheimer Society of Canada
- 1991 On advisory subcommittee of Geriatric Long Term Care committee looking at acute care of patients with dementia in the Ottawa-Carleton region
- 1990 Developed satellite Memory Disorder Clinic in Cornwall.
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- 1990 - 1998 Consulting Staff (Neurology), Hotel Dieu Hospital, Cornwall, Ontario
- 1990 - 1992 Director - Ottawa General Hospital Memory Disorder Clinic
- 1988 - 1990 Assistant Director - Ottawa General Hospital Memory Disorder Clinic
- 1988 - 1998 Developed the Memory Disorder Clinic and obtained permanent funding for it with the move of the clinic to Elisabeth Bruyere Health Centre (1992)

1986 Consultant neurologist, Federal penitentiary system, Kingston, Ontario.
1986 - 1987 Consulting Staff (Medicine/Neurology), Smiths Falls Community Hospital, Smiths Falls, Ontario.
1986 - 1987 Consulting Staff (Neurology), Riverside Hospital, Ottawa, Ontario.
1986 - 1998 Consulting Staff (Neurology), Queensway Carleton Hospital, Nepean, Ontario.
1986 - 1990 Consulting Staff (Neurology), Grace Hospital, Ottawa, Ontario.
1986 - 1988 Consulting Staff (Neurology), Montfort Hospital, Ottawa, Ontario.

TEACHING ACTIVITIES:

Undergraduate:

1987 - 1991 Instructor Meds. 2241, University of Ottawa, School of Medicine
1993 - 1998 Primary tutor, PSD course
1988 - 1993 Dementia, behavioural neurology lectures, systems course - University of Ottawa
1994 Dementia lecture, new curriculum, systems course - University of Ottawa 1988 - 1998 Both summer and short-term electives in clinical and research aspects of dementia, one to two students per year, including foreign students
1989 McLaughlin Centre Committee for multiple choice question data bank for University of Ottawa Medical Systems course

Postgraduate:

1993 - 1998 Examiner for LMCC oral examinations
1992 - 1993 Supervised Dr. T. Miller (rehabilitation program) in performance of his research project obligation (fibromyalgia and sleep disorders) - his presentation won the resident's award at the Royal College of Physicians and Surgeons Meeting, Vancouver, Sept. 1993
1992 - 1998 Clinical teaching, Family Medicine training program, Memory Disorder Clinic
1991 Supervised Dr. S. Al Shamri in 6 month dementia fellowship
1986 - 1992 Ward teaching, neurology, Ottawa General Hospital
1986 - 1998 Participation in the formal neurology training program lecture series - dementia, memory, behavioural neurology, neuropathology

CME:

- 1997 Update on Clinical Trials, Alzheimer Society of Ottawa Carleton research day, Feb. 1997
- 1997 Update on Neurology CME course - Mar. 1997 (gave one plenary lecture and two workshops)
- 1996 Driving and Alzheimer's; Alzheimer Society of Canada, Ottawa
- 1996 Update on Alzheimer Clinical Trials; Alzheimer Society of North Bay and Medical Staff, North Bay
- 1996 Driving and Competency in Alzheimers; Alzheimer Society of North Bay, North Bay
- 1995 The Clinical Trials Process, Alzheimer Society of Ottawa Carleton, Ottawa
- 1994 "Update on Dementia", Elisabeth Bruyere Health Centre
- 1994 "Alzheimer's, is it treatable?", Ottawa
- 1994 "Alzheimer's, update on research", Bioscience Teachers Conference, Ottawa
- 1994 "Alzheimer Disease - A Ray of Hope"; Update on Research and Treatment, Alzheimer Society of Ottawa Carleton
- 1994 Frontal Lobe Dementia, CCFP certified CME course on dementia, Ottawa
- 1993 "Update on Dementia", The Rehabilitation Centre, Royal Ottawa Hospital
- 1993 "Alzheimer's Disease: Update on Research", University of Ottawa
- 1992 Neurology Review for LMCC Course, University of Ottawa
- 1992 Alzheimer's Disease, Diagnosis and Management, Medical Grand Rounds, Ottawa General Hospital
- 1992 Differential Diagnosis of Dementia, Royal Ottawa Hospital
- 1992 Assessment of dementia, OT department, Ottawa General Hospital
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- 1992 Overview of dementia, Presented at symposium "Presence of Mind", Ottawa Society of Neuroscience Nurses
- 1991 Alzheimer's Disease. Division of Geriatric Medicine
- 1990 Diagnosis of Dementia, Ottawa General Hospital
- 1990 Diagnosis of dementia and Alzheimer's disease - Medical Grand Rounds, Cornwall
- 1990 Approach to a patient with dementia, Ottawa
- 1989 Neurological Sleep Disorders, Ottawa Civic Hospital
- 1988 Sleep Apnea, Dept. of Family Medicine, Ottawa
- 1987 The Approach to the Dizzy Patient, Arnprior and District Medical Association

DIRECTED STUDIES:

- Scott Laurie, B.Med.Sci. 1992
- Angela Carruthers, B.Med.Sci. 1989

RESEARCH FUNDING:

- 1997 Protodigm, Lazabemide in Alzheimer's Disease (principal investigator) - \$420,000
- 1997 MRC-PMAC, \$150,000, Epidemiological study, co-investigator, (principal investigator — Dr. H. Feldman)
- 1997 Sanofi Winthrop, Phase 1 Alzheimer's Disease trial
- 1996 Bayer, Metrifonate in Alzheimer's Disease (principal investigator) - \$120,000
- 1996 Hoechst, Milameline in Alzheimer's Disease (principal investigator) - \$120,000
- 1996 Smith Kline Beecham, 202026/046 in Alzheimer's Disease (2nd study)(principal investigator) - \$170,000
- 1996 Pfizer, Donepezil in Alzheimer's Disease (principal investigator) - \$120,000
- 1996 MRC-PMAC, \$68,201, Clinical trial, co-investigator, (principal investigator — Dr. K. Rockwood)
- 1995 Smith Kline Beecham. 202026 in Alzheimer's Disease - \$101,595
- 1995 Sandoz ENA 713 in Alzheimer's Disease (French) - \$250,000
- 1995 Sandoz ENA 713 in Alzheimer's Disease (English) - \$250,000
- 1995 Hoechst, Propentofylline in Multi-infarct dementia (principal investigator) - \$120,000 (partially funded by a grant through MRC / PMAC program)
- 1995 Essai, E2020 in Alzheimer's disease (co-investigator) - \$120,000
- 1993 Miles Pharmaceuticals. Nimodipine in Dementia - follow up study - \$250,000.
- 1993 Glaxo Pharmaceuticals. Ondansetron in Dementia of the Alzheimer Type - \$200,000.
- 1993 Janssen Pharmaceuticals. Sabeluzole in Dementia of the Alzheimer Type - \$320,000
- 1991 Apotek Pharmaceuticals. Memory Disorder Clinic Research Fund - \$55,000.
- 1991 Dupont - Merck Pharma. DUP996 in Dementia of the Alzheimer Type - \$160,000.
- 1991 Abbott Laboratories. Alzheimer Disease Associated Protein - \$60,000.
- 1990 Hoechst Pharmaceuticals. Pentoxifylline in multi-infarct dementia - \$70,000.
- 1989 Miles Pharmaceuticals. Nimodipine in dementia - \$240,000.

PUBLICATIONS:

Papers in refereed journals:

1. Snow AD, Willmer JP, Kisilevsky R: Sulfated Glycosaminoglycans in Alzheimer's Disease. Human Path. 18(5):506, 1987.
2. Saunders FW, Birchard D, Willmer JP: Spinal Artery Aneurysm. Surg. Neurol. 27(3):269, 1987.

3. Snow AD, Willmer JP, Kisilevsky R: Sulfated Glycosaminoglycans: a common constituent of all amyloids? *Lab. Invest.* 56(1):120, 1987.
4. Willmer JP, Brunet DG: The value of prolonged electroencephalographic and video monitoring in diagnosis of seizure disorders. *Can. J. Neurol. Sci.* 13(4):327, 1986.
5. Axelrad MA, Kisilevsky R, Willmer JP, Chen JJ, Skinner M: Further characterization of amyloid-enhancing factor. *Lab Invest.* 47(2):139, 1982.
6. Snow AD, Willmer JP, Kisilevsky R: An intimate relationship between sulfated proteoglycans and AA amyloid fibrils. *Lab. Invest* 1987.
7. Snow AD, Kisilevsky R, Willmer J, Prusiner SB, & DeArmond SJ. (1989). Sulfated glycosaminoglycans in amyloid plaques of prion diseases. *Acta Neuropathol (Berl)* 1989: 77(4):337-42.
8. Young ID, Willmer JP, & Kisilevsky R. (1989). The ultra structural localization of sulfated proteoglycans is identical in the amyloids of Alzheimer's disease and AA, AL, senile cardiac and medullary carcinoma-associated amyloidosis. *Acta Neuropathol (Berl)* 1989:78(2) : 202-9.
9. Della Malva CL, Stuss DT, D'Alton J, Willmer J: Capture errors and sequencing after frontal brain lesions. *Neuropsychologia* 31(4):363-372, 1993.
10. Willmer J, Carruthers A, Guzman DA, Collins B, Pogue J, Stuss DT. The usefulness of CT scanning in diagnosing dementia of the Alzheimer type. *Can. J. Neurol. Sci.* 20:210-216, 1993.
11. Morich FJ, Bieber F, Lewis JM, Kaiser L, Cutler NR, Escobar JI, Willmer J, Petersen RC, Reisberg B and the North American Nimodipine Study Group. Nimodipine in the Treatment of Probable Alzheimer's Disease: Results of Two Multicentre Trials. *Clin. Drug Invest.* 11(4): 185-195, 1996
12. Stuss DT, Meiran N, Guzman DA, Lafleche G, Willmer J. Do long tests yield a more accurate diagnosis of dementia than short tests?: A comparison of five neuropsychological tests. *Archives of Neurology*, 53:1033-1039, 1996
13. Stuss DT, Meiran N, Guzman DA, Lafleche G, Willmer J. The diagnosis of dementia: Methods for the interpretation of tests scores of five neuropsychological tests. *Archives of Neurology*, 53:1043-1054, 1996.
14. Willmer J, Mohr E. Evaluation of selection criteria used in Alzheimer's disease clinical trials. *Can. J. Neurol. Sci.*, 25:39-43, 1998.
15. Willmer J. Examination of the Nervous System (Book chapter) In: *Oxford Textbook of Geriatric Medicine (2nd ed.)*. Editors — Grimley Evans, Williams, Wilcock, Michel, and Beattie, 2000.

16. Willmer J, Mohr E. The application of CT scanning to the diagnosis of Alzheimer's disease. *Annals of Psychiatry*, 7:119-127, 1999.
17. Willmer J, Mohr E, Hildebrand K, Hum L.. Medicines Development in the 21st Century — Faster, Smarter, Cheaper. *European Pharmaceutical Contractor*, 70-74, February 2000
18. Willmer, J. Adopt, Adapt, and Prosper: Building the Foundation for Biotechnology — Lessons Learned From Canada, To be published in: *Playing in the Front Garden: South Africa's Aspirations in Health-Related Biotechnology*, editors Chataway, J., James, W., Van Schaik Publishers, Capetown South Africa, April 2007
19. Thiboutot DM, Willmer J, Sharata H, Halder R, Garrett S. Pharmacokinetics of Dapsone Gel, 5% for the Treatment of Acne Vulgaris, *Clin. Pharmacokinet.* 2007; 46(8):697-712
20. Wilcock GK, Black SE, Hendrix SB, Zavitz KH, Swabb EA, Laughlin MA; Tarenflurbil Phase II Study Investigators (Including Willmer J). Efficacy and Safety of Tarenflurbil in Mild to Moderate Alzheimer's Disease: A Randomised Phase II Trial. *Lancet Neurol.* 2008 Jun; 7(6):483-93
21. Naoto Uemura, Jonathan P Willmer, Goutam C Mistry, Megumi Miki, Qi Liu, Julie Stone, Bo Jin, Rose Witter, Chika Fukuda, Sachiko Yama, Chengcheng Liu, Stefan Zajic, Deborah Panebianco, Go Fujimoto, Keith Gottesdiener, John A Wagner and S Aubrey Stoch Safety, Pharmacokinetics and Bone Resorption Pharmacodynamics of Odanacatib in Healthy Japanese Men and Postmenopausal Women Submitted – *British Journal of Clinical Pharmacology* 2017
22. Xavier Montalban, Douglas L. Arnold, Martin S. Weber, Ivan Staikov, Karolina Piasecka-Stryczynska, Jonathan Willmer, Emily C. Martin, Fernando Dangond, Sana Syed, Jerry S. Wolinsky, for the Evobrutinib Phase 2 Study Group; Placebo-Controlled Trial of an Oral BTK Inhibitor in Multiple Sclerosis, *NEJM* 2019, May 10

Abstracts and Invited Presentations:

1. Willmer JP, Snow, Ad, Kisilevsky R. The demonstration of sulfated glycosaminoglycans (GAGs) in association with the amyloidotic lesions of Alzheimer's disease. Presented to American Association of Neuropathology meeting, Minneapolis, Minnesota, June 1986. (Published in *J. Exp. Neurol and Neuropath.*).
2. Snow AD, Kisilevsky R, Willmer, JP. Sulfated glycosaminoglycans, a common constituent of all amyloids: It's potential significance, Presented at National Student Research Forum, Houston, Texas, 1986. (By A.D. Snow).
3. Willmer JP, Snow AD, Kisilevsky R, Sulfated glycosaminoglycans (GAGs) in association with neurofibrillary tangles and other filamentous inclusions.

Presented to Xth International Congress of Neuropathology, Stockholm, Sweden, Sept. 1986.

4. Broughton R, Willmer JP, Skinner C: Post-traumatic insomnia with rhythmic leg movements. *Sleep Research* 16:466, 1987.
5. Broughton R, Mowrey R, Lutley K, Desjardins P, Willmer, JP. Semi-automatic computerized diagnostic polysomnogram reports. *Sleep Research* 16:546, 1987.
6. Willmer JP. The Approach to the Dizzy Patient. Presented to Arnprior and District Medical Association. Mar. 1987.
7. Broughton R, MacLean G, Willmer JP. Polypnea during sleep of neurogenic origin. *Sleep Research* 17:152, 1988.
8. Willmer JP, Sleep Apnea, CME presentation to Dept. of Family Medicine, Ottawa, 1988.
9. Willmer J, Guzman DA, Stuss D, Navarro J, & Bazile E. (1989 May). A working model for the assessment of patients with memory disorders. XXIVth Meeting of the Canadian Congress of Neurological Sciences.
10. Willmer JP, & Broughton R.J. Neurogenic Sleep Related Polypnea - A New Disorder? *Sleep Research* 18:322. Presented at Annual Meeting of the Association of Professional Sleep Societies. Washington D.C., June 1989.
11. Duchesne, P., Lutley K., Willmer J., Broughton R.J., Mowrey R., Comparison of Computer Generated Diagnoses with Physician Diagnoses for five common neurological categories. *Sleep Research* 18:387. Presented at Annual Meeting of the Association of Professional Sleep Societies, Washington D.C., June 1989.
12. Willmer, J. Neurological Sleep Disorders - CME presentation at Ottawa Civic Hospital, Nov. 1989.
13. Willmer, J. Diagnosis of Dementia - CME presentation at Ottawa General Hospital, March 1990.
14. Willmer, J. Warnes, H. Somnambulistic bulimia: Evaluation and treatment of 4 patients. 4th Annual Meeting of the Association of Professional Sleep Societies, Minneapolis, June 1990.
15. Collins, B. Tellier, A. Sarazin, F. Willmer, J. Investigation of the sensitivity of the cognitive screening examination in the diagnosis of dementia. Canadian Psychological Association, Ottawa, June 1990.
16. Carruthers, A. Willmer, J. Guzman, D.A. Stuss, D. Usefulness of CT scanning in differentiating dementia of the Alzheimer's type. XXVth Canadian Congress of Neurological Sciences, Banff, June 1990.

17. Willmer, J. Carruthers, A. Guzman, D.A. Stuss, D. The relationship between neuropsychological tests of memory and temporal lobe atrophy in patients with dementia. 2nd International Conference on Alzheimer's Disease and Related Disorders, Toronto, July 1990.
18. Willmer, J. Diagnosis of dementia and Alzheimer's disease - Medical Grand Rounds, Cornwall, Sept. 1990.
19. Willmer, J. Approach to a patient with dementia - CME presentation, Ottawa, Nov. 1990.
20. Collins, B. Willmer, J. Carruthers, A. Guzman, D.A. Stuss, D.T. Relationship between CT and neuropsychologic variables in patients with dementia of the Alzheimer type (DAT) and normal controls. International Psychological Society meeting, Queensland, Australia, July 1991.
21. Willmer, J. Alzheimer's Disease. Division of Geriatric Medicine, Oct. 1991
22. Willmer, J. Neurology Review for LMCC Course, University of Ottawa, April 1992
23. Willmer, J. Azad, N. Alzheimer's Disease, Diagnosis and Management, Medical Grand Rounds, Ottawa General Hospital, May 1992
24. Willmer, J. Differential Diagnosis of Dementia, CME Course, Royal Ottawa Hospital, June 1992
25. Ghanbari, H. Miller, B. Chong, J. Bennet, D. Azad, N. Willmer, J. Risch, C. Nemeroff, C. Erickson, K Riekkinen, P. The Road to Antemortem Biochemical Tests for Alzheimer's Disease. 3rd International Conference on Alzheimer's Disease and Related Disorders, Abano Terme, Italy, July 12 - 17, 1992
26. Willmer, J. Guzman, D. Azad, N Al-Shamri, S. Laurie, S. Kisilevsky, R. Sulphated Glycosaminoglycans in the Cerebrospinal Fluid of Individuals with Dementia of the Alzheimer Type. 3rd International Conference on Alzheimer's Disease and Related Disorders, Abano Terme, Italy, July 12 - 17, 1992
27. Willmer, J. The Pathophysiology of Memory, Invited talk in symposium on Canadian approach to diagnosis and management of dementia. 18th C.I.N.P. Congress, Nice, France, June 28 - July 2, 1992
28. Willmer, J. Assessment of dementia, Talk to OT department, Ottawa General Hospital, Sept. 1992
29. Willmer, J. Overview of dementia, Presented at symposium "Presence of Mind" , Ottawa Society of Neuroscience Nurses, Dec. 1992
30. Miller, T.A. Willmer, J.P. Delaney, G.A. A Comparative study of sleep in patients with fibromyalgia and myofascial pain syndrome. Royal College of Physicians

and Surgeons of Canada Meeting, Vancouver, Sept. 1993. (T. Miller did this project under the supervision of J. Willmer as part of his training in the rehabilitation medicine program. He won the resident prize for this submission.)

31. Willmer, J. "Update on Dementia", The Rehabilitation Centre, Royal Ottawa Hospital, Grand Rounds, Oct. 1993
32. Willmer, J. "Update on Dementia", Elisabeth Bruyere Health Centre, Medical Staff Rounds, Feb. 1994.
33. Willmer, J. "Alzheimer's: Is it treatable", CME course, Ottawa, April 1994
34. Willmer, J. "Alzheimer's: An update on research", invited keynote speaker at annual conference of Bioscience Teachers Association, Ottawa, June 1994
35. Willmer, J.P. Guzman, D.A. Kozak, J. Validation of a CT scan measurement model in the diagnosis of dementia of the Alzheimer type (DAT). European Neurological Society, Barcelona, Spain, June 1994
36. Willmer, J.P. Monpetit, V.J.A. Cerebral amyloid angiopathy (CAA) associated with progressive dementia without evidence of Alzheimer's changes at autopsy, International meeting on Alzheimer's Disease and Related Disorders, Minneapolis, August 1994
37. Willmer, J.P. "Alzheimer Disease - A Ray of Hope; Update on Research and Treatment", Alzheimer Society of Ottawa Carleton Annual Conference, Sept. 29, 1994
38. Willmer, J.P. Frontal Dementia, In Symposium; "Update on Dementia; Clinical Overview and Practical Management" - Organized by Memory Disorder Clinic, Elisabeth Bruyere Health Centre. Sept. 30, 1994.
39. Willmer, J.P. The Memory Disorder Clinic: A Foundation for research in Alzheimer's disease and related disorders. Ottawa Carleton Life Sciences Day. Oct. 1994.
40. Willmer, J.P. The clinical trials process. In symposium; "Alzheimer Research in Ottawa - Carleton", Jan. 26, 1995.
41. Willmer, J.P. Driving and Alzheimer's disease; the physician's perspective. Alzheimer Society of Canada annual conference, April 26, 1996, Ottawa.
42. Willmer, J.P. Update on clinical trials for physicians. Sponsered by the Alzheimer Society of North Bay. May 6, 1996, North Bay.
43. Willmer, J.P. Driving, Competency and Alzheimer's Disease, Invited lecture to Alzheimer Society of North Bay meeting. May 7, 1996, North Bay

44. Mohr E, Walker D, Randolph C, Sampson M, Willmer J, Mendis T. Clinical trial batteries in the assessment of dementias of different etiologies. Presented at 4th international Nice/ Springfield Symposium on Advances in Alzheimer Therapy, April 10 - 14, 1996, Nice, France.
45. Willmer J, Mohr E. Possible problems with clinical selection criteria used in Alzheimer's disease clinical trials. Presented at 5th International Conference on Alzheimer's Disease and Related Disorders. July 24 - 29, 1996, Osaka, Japan.
46. Willmer, J.P. Update on Clinical Trials. Alzheimer Society of Ottawa Carleton Annual Research Day, Feb. 1997, Ottawa.
47. Willmer, J.P. Update on Dementia - Diagnosis, Management and Treatment. University of Ottawa, Division of Neurology CME course, Mar. 1997, Ottawa.
48. Willmer, J.P. Case discussions and practical management issues in dementia. (Workshop - repeated twice) University of Ottawa, Division of Neurology CME course, Mar. 1997, Ottawa.
49. Willmer J, Mohr E. The role of CT scanning in patient selection for Alzheimer's disease clinical trials. International Workshop on Alzheimer's disease, April 1997, Havana, Cuba
50. Willmer, J Update on clinical trials, Alzheimer Society of Ottawa Carleton, March 1997
51. Willmer, J From aging vines for aging minds to the annihilation of amyloid: Treatment for Alzheimer's disease, Medical Grand Rounds, May 1997
52. Willmer, J Approach to the diagnosis of Alzheimer's disease. CME presentation, Carleton Place, July 1997
53. Willmer, J Approach to the diagnosis of Alzheimer's disease. CME presentation, Montebello, July 1997
54. Willmer, J Alzheimer's disease and dementia: Diagnosis, pathophysiology and treatment. Day long workshop, lecture session (For Pfizer pharmaceutical representatives). Aug. 1997
55. Willmer, J. Approach to the diagnosis and treatment of Alzheimer's disease. CME presentation. Ottawa. Oct. 1997. (SCO Health Service)
56. Willmer, J. Approach to the diagnosis and treatment of Alzheimer's disease. CME presentation. Ottawa. Oct. 1997. (Downtown — GP's)
57. Willmer, J. Approach to the diagnosis and treatment of Alzheimer's disease. CME presentation. Peterborough. Oct. 1997.

58. Willmer, J. Approach to the diagnosis and treatment of Alzheimer's disease. CME presentation. Ottawa. Nov. 1997. (Ottawa Civic Hospital — Psychiatry)
59. Willmer, J. Approach to the diagnosis and treatment of Alzheimer's disease. CME presentation. Ottawa. Nov. 1997. (Ottawa General Hospital — Psychiatry)
60. Willmer, J. Approach to the diagnosis and treatment of Alzheimer's disease. CME presentation. Ottawa. Dec. 1997. (Queensway Carleton Hospital — Psychiatry)
61. McClure DE, Gautille T, Broome S, Lloyd GK, Willmer J, Krasowski T, Hildebrand K, Terblache J, Knott V. Clinical Pharmacology of SIB-1553A, A Neuronal Nicotinic Acetylcholine Receptor Agonist. Dec.1998.
62. Willmer, J. Department of Research presentation 1999 (Vancouver Hospital Health Sciences Centre)
63. Willmer J. Phase I Clinical Research in Canada. Biofuture 2000 presentation. Vancouver. Sept. 2000.
64. Willmer, J. Insight into the Conduct of Bridging Studies Outside of Japan. Conducting Clinical Trials in Japan. Philadelphia, PA. Sept. 2000.
65. Willmer, J. Early Clinical Development presentation. CroMedica Medical Affairs Annual Meeting. Quebec. Nov. 2000.
66. Willmer, J. An Update on Alzheimer's Disease: Diagnosis and Treatment. Alzheimer Society of Victoria, Victoria BC, June 2001.
67. Willmer, J. Strategies for Conducting Bridging Studies Outside of Japan. Conducting Clinical Trials in Japan. Philadelphia, PA. Oct. 2002.
68. Willmer, J. Early Clinical Development, Presentation to Clinical Research Professionals of BC, Sept. 2003
69. Willmer, J. A Backgrounder on Clinical Trials. PharmEng Symposium, Vancouver, BC, Oct. 2003
70. Willmer, J. The Advantages of Using a CRO for Offshore Clinical Development, New York Biotechnology Association & Canadian Consulate (NY), Nov. 2003
71. Willmer, J. Outsourcing Phase 1, A CRO Perspective — Conference on CRO Outsourcing, Scottsdale, AZ, October 2004
72. Willmer, J. Outsourcing Phase 1 — Working with a CRO, PharmEng Symposium, Vancouver, BC, November 2004

73. Willmer, J. Update on Treatment and Diagnosis of Alzheimer's Disease, Oak Bay Lodge, Victoria, BC, December 2004
74. Willmer, J. Update on Alzheimer Treatment, Saanich Hospital Medical Grand Rounds, Victoria, BC, May 2005
75. Willmer, J. Conducting Phase 1 Clinical Research in Canada, BC Biotechnology Breakfast Seminar Series, July 2005
76. Willmer, J. Rational Phase 1 Clinical Development, PSG Seminar Series, Vancouver, BC, November 2005
77. Willmer, J. Development of Biotechnology Infrastructure; Lessons From Canada. South African Biotechnology Symposium, Somerset West, South Africa, March 2006
78. Willmer, J. The Impact of Education and Training on Development of Biotechnology Infrastructure, South African Expert Advisory Committee — Biotechnology and Health Economics, Panel discussion and presentation, Capetown, South Africa November 2006
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