

professional honors including, in 1996, the MERIT award from the U.S. National Institute on Drug Abuse – at that time only the second non-American researcher to be so honored. Among numerous professional positions that I have held are the Presidency of the Neurobehavioral Teratology Society from 2006-2007 and Section Editor - Epidemiology/Clinical section of Neurotoxicology & Teratology. 1993-2001.

3. In 1978 I initiated a study, the Ottawa Prenatal Prospective Study (OPPS), designed to investigate the consequences on offspring of marihuana and/or cigarette use by pregnant women. This longitudinal, ongoing project, of which I remain the director, was the first scientific examination dedicated to the putative impact of marihuana use during pregnancy and, over the years has resulted in over 100 research papers, chapters and books. The outcomes assessed include cognitive abilities, growth, behavior, and neurological functioning. The marihuana /pregnancy publications arising from the OPPS are the most widely cited scientific literature dealing with this topic. This work has been primarily funded by the United States National Institute on Health. My Curriculum Vitae is attached to this declaration.

4. Based on my 30 plus years of experience examining the newborn, infants, toddlers, children, adolescents and young adults born to women who used marihuana during pregnancy it is important to emphasize that to characterize an infant born to a woman who used marihuana during pregnancy as being 'physically abused' and/or 'neglected' is contrary to all scientific evidence (both mine and subsequent work by other researchers). The use of marihuana during pregnancy (in the absence of other factors that may put a child at risk for physical abuse and/or neglect) has not been shown by any objective research to result in abuse or neglect.

5. Some of the major outcomes that can be examined and assessed in the newborn and infant include growth, cognitive functioning, and general well being. Marihuana, in our work and most other studies has not been shown to negatively impact on weight or length on either the newborn or infant. There have been a few reports of mild negative effects in high-risk populations on the birth weight or birth length of newborns but, in those studies, these effects were no longer present after a few months. This is in contrast to many other substances that are commonly used during pregnancy, including alcohol and cigarettes, where the effects on growth are much more pronounced. At a cognitive level, our research and the work of others have shown that during the first month of life there may be behavior consistent with mild forms of withdrawal (but not as marked as that seen following prenatal exposure to cigarettes) but at 6 months and/or one year, in the absence of other risk factors, no impact on cognitive functioning is apparent. In our work, we have found no evidence of maternal neglect associated with marihuana use during pregnancy.

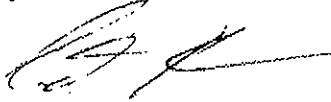
6. When the South Carolina Department of Social Services had the opportunity to 'lay eyes' on the child in question, the assessment was that 'the physical and/or mental condition of the child appears stable at this time', suggesting that other risk factors potentiating marihuana's prenatal impact were not present.

7. Having been involved for more than 30 years with the collection of objective data pertaining to marihuana use during pregnancy and its effect upon the offspring, based on the brief summary of outcomes summarized above and on the material described in the complaint against the parents, I see no evidence that the child in

question has been either abused or neglected due to the purported use of marihuana by the mother during pregnancy.

I declare under penalty of perjury that the foregoing is correct to the best of my knowledge and belief.

July 13, 2009.



Peter A. Fried, Ph.D.

Melissa Corbett
COMMISSIONER OF
OTTAWA ON CANADA



CURRICULUM VITAE
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B.Sc.	McGill	Chemistry	1964
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ACADEMIC POSITIONS:

2006-present Professor Emeritus, Distinguished Research Professor, Psychology,
Carleton University
1979 -2006 Professor, Psychology, Carleton University, Ottawa
1980 - 1983 Adjunct professor, Obstetrics & Gynecology, University
of Ottawa, Ottawa, Ontario
1972-79 Associate Professor, Psychology, Carleton University,
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1973-74 Invited summer lecturer, University of Prince Edward
Island, Charlottetown, Prince Edward Island
1971-72 Invited summer lecturer, University of Prince Edward
Island, Charlottetown, Prince Edward Island
1969-71 Extension Division, Carleton University, Ottawa
1968-72 Assistant Professor, Psychology, Carleton University,
Ottawa, Ontario
1967-68 Assistant Professor (part-time), University of Waterloo
(while a Ph.D candidate), Waterloo, Ontario

PUBLICATIONS:

2009 (in Press)

Fried, P. Marijuana Use During Pregnancy: Its Effects on offspring From Birth through Young Adulthood. In Drugs in Pregnancy : What price for the child? (ed. P. M. Preece and E. Riley) Mac Keith Press, Blackwell publishing, London England.

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Fried, P.A. Drinking and smoking for two. Soft drugs & pregnancy. Ontario Psychologist. 1980, 12, 17-23 (invited paper). Reprinted in Journal of Prevention of Child Abuse, 1980.

1979

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1978

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1977

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PAPERS PRESENTED AT CONFERENCES & MEETINGS

Fried, P. The impact of prenatal exposure to marihuana and cigarettes on cognitive development: from birth to young adulthood Part 1 & Part 2. Postgraduate Course: Human Teratogens. Harvard Medical School, Boston, Mass. April 2009.

Fried, P. Outcomes in offspring following prenatal exposure to marihuana. Address to lawyers Bronx Family Court. Organized by the National Advocates for Pregnant Women New York. February, 2009. Invited speaker.

Fried, P. The impact of prenatal exposure to marihuana on cognitive development from birth to young adulthood. Symposium entitled Drugs, Pregnancy, and Parenting: What the Experts in Medicine, Social Work and the Law Have to Say. Organized by the National Advocates for Pregnant Women. New York. February, 2009. Invited speaker.

Fried, P.A. Prenatal exposure to marihuana and cigarettes have differential effects on cognitive function in adolescent offspring: a longitudinal trajectory. In Symposium "Prenatal Drug Abuse and Adolescent Developmental Trajectories" Neurobehavioral Teratology Society, Pittsburgh, PA, June 2007. (Symposium chaired by P.A. Fried & T. Scialli).

Fried, P.A. Prenatal Exposure to Cigarettes: Developmental Follow-up in Adolescent Offspring. In Symposium "Prenatal Nicotine Exposure: What Happens in Adolescence?" 13th World Conference on Tobacco OR Health. Washington, DC, July 2006. Invited speaker

Fried, P.A., Doucet, E. & Goldfield, G. Metabolism and body mass in young male adults prenatally exposed to cigarettes – a pilot study. Neurobehavioral Teratology Society, Tucson, Arizona, June 06.

Fried, P.A. & Gray, R. Cigarette's impact on cognitive performance in young adults following control for pre-smoking abilities. Neurobehavioral Teratology Society. St. Pete's Beach, Fl. June 05.

Fried, P.A. Prenatal exposure to marijuana and cigarettes: Long-term effects of prenatal marijuana exposure on cognitive functioning. Part of symposium entitled Cannabinoids during Development: From the lab to the clinic. The College on Problems of Drug Dependence, Orlando, Fl. June 2005. Invited paper.

Fried, P.A. Impact of prenatal exposure to marijuana and cigarettes, Part 1 & Part 2. Postgraduate Course: Human Teratogens. Harvard Medical School, Boston, Mass. May, 2005. (invited lectures)

Fried, P.A. Prenatal exposure to cigarettes; Developmental follow-up from pre-school to adolescence. Some comparisons to prenatal marijuana exposure. Integrated Toxicology Seminar Series. Duke University, Durham, North Carolina, April, 2005 (invited talk).

Fried, P. A longitudinal examination of cognitive performance in the offspring of marijuana users; Differential effects to those exposed prenatally to cigarettes. American College of Neuropsychopharmacology, San Juan, Puerto Rico. December 2004 (invited participant in symposium)

Fried, P.A. Prenatal exposure to cigarettes and/or marijuana: Cognitive consequences in offspring. American Academy of Child & Adolescent Psychiatry, Washington, October, 2004 (invited participant in symposium)

Fried P.A. & Smith A. Long-term effects of prenatal drug exposure – Behavioral and fMRI findings. Child Neurology Society, Ottawa, Canada. October, 2004 (invited talk).

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Fried, P.A. A longitudinal investigation of neurocognitive functioning in marijuana using adult: A comparison with their pre-drug performance. International Society for Addiction Medicine. Helsinki, Finland. June 2004 (invited talk).

Fried, P.A. Cognitive effects in adolescents exposed prenatally to marijuana or cigarettes. American Psychiatric Association, New York, May, 2004. (invited talk).

Fried, P.A. Prenatal exposure to Marijuana and Cigarettes have differential long-term effects on cognitive functioning. Behavioral Toxicology Society, Research Triangle Park, North Carolina. April, 2004 (Invited talk).

Oncken, C., Fried, P & Slotkin, T. Biomarkers of Neurotoxicity. Methods and Biomarkers Conference, National Cancer Institute Washington, February, 2004

Fried, P.A. The Impact of Prenatal Exposure to Marijuana and Cigarettes on Cognitive Development from Birth to Late Adolescence – Are their Joint and/or Cigarette Effects? A 25 Year Project. University of Wollongong, Australia. October, 2003 (invited talk).

Fried, P.A. Cognitive effects of Marijuana- A longitudinal Assessment from Preteen to Young Adulthood; Does Sex matter? University of New England, Armidale, Australia. September 2003. (invited talk).

Fried, P.A. Does sex matter? A within- and between-subject longitudinal assessment of marijuana's impact on memory and processing speed. International Association for Cannabis as Medicine. Cologne, Germany. September, 2003.

Porath, A.J., & Fried, P.A. The influences of adolescents' attitudes and peers on their initiation and cessation of cigarette smoking and marijuana use. . Neurobehavioral Teratology Society, Philadelphia, PA, June 2003

Smith, A., Fried, P.A., Hogan, M. & Cameron, I. An fMRI investigation of the effects of regular current use of marijuana on working memory. International Cannabinoid Research Society, Cornwall, Ont. June 2003

Smith A, Fried, P, Hogan, M, Cameron I. An fMRI Study of the Effects of Prenatal Marijuana Exposure on Visuospatial Working Memory. Human Brain Mapping 2003, New York, June, 2003 (abstracts published in Brain and Cognition, 2004, 54, 147-149 –Neuroimaging of Cognitive Functions: The Rotman Research Institute Abstracts 2003)

Fried, P.A., Gray, R. & Watkinson, B. Impact of marijuana on specific cognitive domains: A within- and between-subject longitudinal assessment. International Cannabinoid Research Society, Cornwall, Ont. June 2003

Fried, P.A. Adolescents who have been prenatally exposed to cigarettes or marijuana: putative impact on aspects of cognition and perception. Yale University, New Haven CT. April 2003 (invited talk).

Smith, A., Fried, P., Hogan, M., and Cameron, I. The Effects of Prenatal and Current Marijuana Exposure on Response Inhibition: A Functional Magnetic Resonance Imaging Study. 13th Annual Rotman-Baycrest Neuroimaging of Cognitive Functions Conference, Toronto, Ontario, March , 2003

Fried, P.A. Differential effects of prenatal exposure to cigarettes and marijuana on facets of cognition, attention and perception in adolescent offspring. University of Miami, Department of Pediatrics, November, 2002 (invited talk).

Fried, P.A., Watkinson, B & Gray, R. Cognitive functioning in 13-16-year olds prenatally exposed to marijuana or cigarettes – double disassociation. International Cannabinoid Research Society, Pacific Grove, California, July 2002. (2002 Symposium on the Cannabinoids, Burlington, Vermont, International Cannabinoid Research Society, p. 61 – abstract).

Fried, P.A., Watkinson, B & Gray, R. Cognitive functioning in 13-16-year olds prenatally exposed to cigarettes or marijuana – differential effects. Neurobehavioral Teratology Society, Scottsdale Arizona, June, 2002 (Neurotoxicology & Teratology 24, 2002, 432 abstract).

Fried, P.A. Effects of marijuana. Special Committee on Non-medical Use of Drugs. Canadian House of Commons. Invited appearance. June, 2002.

Fried, P.A. Differential effects of prenatal exposure to cigarettes and marijuana on cognitive performance in adolescent offspring. Invited speaker at "Novel endocrine disruptors/developmental toxicants. Institute of Pharmacology and Toxicology, Zürich University, Zürich, Switzerland May, 2002. (Same talk given at University of Lausanne).

Fried, P.A. Tobacco consumption during pregnancy and its impact on child development. Invited speaker at "Linking Research, policy, practice" at the Centre of Excellence for Early Childhood Development (CEECD), Health Canada. Ottawa, November 2001.

Fried, P.A. Differential effects of prenatal exposure to cigarettes and marijuana on performance by human adolescents on cognitive tasks. Invited speaker at "Commonalities and Differences in the Mechanisms of Alcohol and Other Drugs of Abuse" at the Federation of American Societies of Experimental Biology (FASEB) Summer Research Conference on Substance Abuse. Tucson, AZ August 2001.

Fried, P.A. Developmental Effects of Prenatal Exposure to marijuana. Invited presenter at Workshop on Clinical Consequences of Marijuana. NIH/NIDA Bethesda, MD August, 2001

Fried, P.A., James, D., Watkinson, B. & Gray, R. Are there residual cognitive effects of marijuana? A longitudinal Assessment. International Cannabinoid Research Society, San Lorenzo de El Escorial, Spain July 2001.

Fried, P.A. & Watkinson, . Prenatal exposure to cigarettes and marijuana affects facets of attention differentially in adolescent offspring. Neurobehavioral Teratology Society, Montreal, Canada, June, 2001 (Neurotoxicology & Teratology 23, 2001, 285 abstract).

Fried, P.A. & Watkinson, B. Differential effects on visuospatial tasks in adolescent offspring as a function of prenatal exposure to marijuana or cigarettes: Top-down versus bottom-up processing. Neurobehavioral Teratology Society, West Palm Beach, FL, June 2000 (Neurotoxicology & Teratology 22, 2000, 464 abstract)

Fried, P.A. 'What' meets 'How' eh? Summary and Strategic Directions. Neuroimaging of Brain and Behavioral Development Following Early Drug Exposure. NIDA. Rockville Maryland. May, 2000 (Invited Discussant)

Fried, P.A. Prenatal exposure to cigarettes: Developmental follow-up in pre-school and school-aged children. Harvard Medical School: Department of Continuing Education. April, 2000 (invited talk)

Fried, P.A. Principles of behavioral teratology- emphasis upon evaluation of the older infant and child. Harvard Medical School: Department of Continuing Education. April, 2000 (invited talk)

Fried, P.A. Prenatal exposure to cigarettes and marihuana on cognitive development: are there Cig-nificant and/or Joint effects? Brain Awareness Symposium. St. Louis, MO. March, 2000. (invited talk).

Fried, P.A. & Watkinson, B. Visuoperceptual performance of 9-12-year olds prenatally exposed to marihuana. Presented at the International Cannabis Research Society. Acapulco, Mexico, June, 1999.

Fried, P.A. Developmental follow-up of prenatal drug exposure in pre-school and school-aged children - marihuana. Invited speaker at symposium at the CPPD (College on Problems of Drug Dependence), Acapulco, Mexico. June, 1999. (Proceeding p.51-53)

Fried, P.A. Maternal smoking during pregnancy: Are there significant long term cognitive effects in offspring. Invited speaker at symposium session: Developmental toxicity of tobacco smoke. Society of Toxicology. March, 1999, New Orleans, Louisiana.

Fried, P.A., Gmora, S., Watkinson, B., Linttell, H. & Gray, R. Prenatal marihuana exposure and its putative impact upon executive functioning in offspring - a 16 year prospective longitudinal study. Presented as part of the Prefrontal Lobe Symposium at the International Cannabis Research Society, La Grande Motte, France. July, 1998

Fried, P.A. Opening Address at the Prefrontal Lobe Symposium at the International Cannabis Research Society, La Grande Motte, France. July, 1998

Fried, P.A., Watkinson, B., Gray, R. & Linttell, H. Effects of prenatal exposure to cigarettes and marihuana upon offspring's growth from birth to early adolescence. Neurobehavioral Teratology Society, San Diego, June 1998 (Neurotoxicology & Teratology 20, 1998, 358 abstract)

Fried, P.A. Cigarettes & Marihuana Use During Pregnancy: Are there Cig-nificant and/or Joint effects in the offspring or Can we learn anything about animals from humans. Midwest Teratology Association. Kalamazoo, MI, May, 1998 (invited talk).

Fried, P.A. Latest findings and challenges from the OPPS. Presented as part of Research Meeting on the Developmental Follow-up of Prenatal Drug Exposure: School-age Children. National Institute on Drug Abuse. Bethesda, MD April, 1998. (Invited participant)

Mailloux, D. & Fried, P.A. Effects of treatment on locus of control in substance and non-substance users. Canadian Psychological Association, Toronto, Ont, June 1997. (poster).

Fried, P.A., Watkinson, B., Gmora, S. Prenatal marihuana & cigarette exposure impacts differentially on cognitive Tasks in 9 to 12 year olds: Aspects of executive function contrasted to general intelligence. International Cannabis Research Society, Stone Mountain GA, June, 1997

Fried, P.A. Consequences of in utero drug exposure on behaviors mediated by the frontal lobe - Symposium Organizer - introductory remarks. Neurobehavioral Teratology Society, Palm Beach, FL June 1997.

Fried, P.A., Watkinson, B., Gray, R. & Lintell, H. Differential effects of prenatal exposure to cigarettes and marijuana on cognitive tasks given to 9-12 year olds. Neurobehavioral Teratology Society, Palm Beach, FL June 1997

Fried, P.A., Watkinson, B., Siegel, L.S., Gray, R., & Lintell, H. In utero cigarette exposure may impact upon auditory based processes involved in reading in 9-13 year olds. Neurobehavioral Teratology Society, Keystone Colorado, June 1996.

Fried, P.A. Maternal smoking during pregnancy: Are there significant long-term effects? Interdisciplinary Environmental Toxicology Seminar series. Institute for Environmental Studies. University of Illinois at Urbana-Champaign. April, 1996. Invited talk.

Fried, P.A. Marijuana use during pregnancy may impact upon executive function in offspring: A "joint" enterprise. University of Miami School of Medicine. February, 1996, Invited talk.

Fried, P.A. Consequences of marijuana use: Perinatal effects. National Conference on Marijuana Use Prevention, Treatment, and Research. Arlington, Virginia. July, 1995. Invited Address. Published in Conference Highlights, NIH Publication No. 96-4106 (printed in 1996)

Fried, P.A. Perinatal and developmental effects of marijuana. National Conference on Marijuana Use Prevention, Treatment, and Research. Arlington, Virginia. July, 1995. Invited talk. Published in Conference Highlights, NIH Publication No. 96-4106 (printed in 1996)

Fried, P.A., Watkinson, B. & Murphy, S. The relationship between in utero exposure to cigarettes and the details produced in children's drawings. Neurobehavioral Teratology Society, Newport, California, June 1995

Fried, P.A. Process through the ages: Continuity from infancy to puberty. Invited Symposia speaker. Neurobehavioral Teratology Society, Newport, California, June 1995

Fried, P.A., Gomora, S., & Watkinson, B. Consequences of marijuana use during pregnancy -Possible evidence of impaired executive function in 9-12 year olds. International Cannabis Research Society, Scottsdale, Arizona, June, 1995.

Fried, P.A. Long-term effects of in utero exposure to cigarettes: Lots of if's, and's & butts. Toxicology Scholar Seminar Series, Duke University, Durham, North Carolina, April, 1995. Invited lecture.

Fried, P.A. "Joint" exposure - Consequences in offspring of marijuana use during pregnancy. Southern Society for Pediatric Research, New Orleans, Louisiana, February, 1995. Invited address.

Fried, P.A. Effects of prenatal nicotine and cannabis exposure on the behavioral development of infants and humans. Eurotox'94 Toxicology in Transition, Basel, Switzerland, August, 1994. Invited address.

Fried, P.A. The Ottawa Prenatal Prospective Study (OPPS): Methodological issues and findings - It's easy to throw the baby out with the bath water. Address given at the International Cannabis Research Society. An International Symposium. L'Esterel, Canada, July, 1994.

Fried, P.A., Watkinson, B. & Perkins, S.L. Passive smoke exposure in children: relationship between urine cotinine levels and parental report of exposure. Neurobehavioral Teratology Society, Puerto Rico, June 1994.

Fried, P.A. Outcomes for Children Prenatally exposed to Marijuana and Tobacco. March of Dimes. Portland, Oregon February, 1994. Keynote address.

Fried, P.A. Exposure to marijuana: Behavioral outcomes in preschool and school-age children. NIDA Technical Review Meeting: Behaviors of Drug-exposed Offspring: Research update. Washington, D.C. July 1993. Invited paper.

Fried, P.A. & Watkinson, B. The Ottawa Prenatal Prospective Study: A longitudinal investigation of the consequences of in utero exposure to marihuana. International Cannabis Research Society, Toronto, Canada, June 1993.

McCartney, J.S. & Fried, P.A. Prenatal cigarette exposure and central auditory processing abilities in 6-1 year old children. Neurobehavioral Teratology Society, Tuscon, Arizona June 1993.

Fried, P.A. The effects of prenatal exposure to alcohol and other drugs on infants and children: Consensus and Controversy. Federal Office for Substance Abuse Prevention. Department of Health & Human Services. Washington, D.C. July, 1992. Invited paper.

Fried, P.A. & Watkinson, B. Attentional behaviour in 6 year old children exposed prenatally to cigarettes and marihuana. Neurobehavioral Teratology Society, Boca Raton, Florida, June 1993.

Fried, P.A. Longitudinal/Followup Assessments - Maternal/Paternal/Fetal Effects of Drug Abuse. National Institute on Drug Abuse Technical Review. Bethesda, Md. December 1991. Invited Paper.

McAvoy, E.R. & Fried, P.A. Stress and Coping: Gender Differences in children of Alcoholics. Canadian Psychological Association, Calgary, Canada, June 1991. (abstract, Canadian Psychology, 1991, 32, No. 2a. p347.)

Fried, P.A. Persistent effects of prenatal cigarette exposure. Winter Conference on Current Issues in Developmental Psychobiology, Cancun, Mexico, January, 1991. Invited Paper.

Fried, P.A. Eat, Drink and Be Merry. Association for Childbirth & Parenthood. Durban, South Africa, August, 1990. Keynote Address.

Fried, P.A. Substance Abuse in Pregnancy. Association for Childbirth & Parenthood, Durban, South Africa, August, 1990. Keynote Address.

Fried, P.A. Marihuana and cigarette use during pregnancy: The North American experience. Medical School of the University of Zimbabwe, Dept. of Obstetrics & Gynecology, Harare, Zimbabwe, August, 1990.

Fried, P.A. Marihuana and cocaine use during pregnancy: Effect upon offspring. Durban Medical School, Dept. of Obstetrics & Gynecology, Durban University. Durban, South Africa, August, 1990.

Fried, P.A. Drug abuse during pregnancy. Tygerberg Hospital, Department of Obstetrics & Gynecology, University of Cape Town, Cape Town, South Africa, August, 1990.

Fried, P.A. Marihuana and pregnancy. Groote Shuur Hospital. Dept. of Obstetrics & Gynecology, University of Stellenbosch, Cape Town, South Africa, August, 1990.

Fried, P.A. Drug use during pregnancy: Is it relevant to South Africa? Baragwanath Hospital, Dept. of Obstetrics & Gynecology, Sowetho, South Africa, August, 1990.

Fried, P.A. Who is it going to be? Subject selection issues in prenatal drug exposure research. Methodological Issues in Epidemiological, Prevention and Treatment Research on the Effects of Prenatal Drug Exposure on Women and Children. Technical Review. Baltimore, Md. July, 1990. Invited Paper

Fried, P.A. & Watkinson, B. Three and four year neurobehavioral assessment of children exposed prenatally to cigarettes and marihuana. Neurobehavioral Teratology Society, Victoria, B.C., June 1990.

Fried, P.A. Are there real behavioral/cognitive effects in young children exposed to cigarette constituents during fetal development? American Society for Pharmacology and Experimental Therapeutics, Washington, D.C. April 1990. Invited Paper.

Fried, P.A. Canadian and Jamaican children of marihuana smoking mothers. Society for Applied Anthropology, York, England, April, 1990.

Fried, P.A. Pediatric and neurobehavioral assessment of the newborn: Methods and issues of interpretation. Winter Meetings on Chemicals and Abnormal Development, Lake Placid, N.Y., February, 1990.

Fried, P.A. Maternal substance abuse: Drugs - Alcohol - Smoking. Perinatal Education Program of Eastern Ontario, Ottawa, December, 1989. Invited Lecture.

- Fried, P.A. Effects of marihuana and cigarettes. International Childbirth Education Association, Minnesota, June, 1989. Invited Lecture.
- Fried, P.A. Drug Use in pregnancy - Opening Address. International Childbirth Education Association, Minnesota, June 1989. Invited Lecture.
- Fried, P.A., Watkinson, B. & Kristjansson, E.A. Smoking during pregnancy affects children's vigilance performance. Behavioral Teratology Society, Richmond, Virginia. June, 1989.
- Fried, P.A. Cigarettes and marijuana - are there measurable long-term neurobehavioral teratogenic effects? Invited speaker at 6th International Neurotoxicology Conference, Little Rock, Arkansas, October, 1988. (Abstract - Neurotoxicology, 1988, 9, 680-681).
- Fried, P.A. Postnatal consequences of maternal marijuana use in humans. Invited speaker at the New York Academy of Sciences Conference on Prenatal Abuse of Licit and Illicit Drugs. Washington, D.C., September, 1988.
- Fried, P.A. Effects of cocaine and marihuana. International Childbirth Education Association, Washington, D.C., August, 1987. Invited Lecture.
- Fried, P.A. Effects of alcohol and nicotine. International Childbirth Education Association, Washington, D.C., August, 1987. Invited Lecture.
- Fried, P.A. Effects of alcohol, nicotine & caffeine. International Childbirth Education Association, Los Angeles, July, 1987. Invited Lecture.
- Fried, P.A. Effects of cocaine, marijuana and substance abuse. International Childbirth Education Association, Los Angeles, July, 1987. Invited Lecture.
- Fried, P.A. Animal and Human Comparisons of Marijuana Effects on Development, University of Rochester, April, 1986. Invited Paper.
- Fried, P.A. Postnatal Consequences of Soft/Recreational Drug Use During Pregnancy in the Human, University of Rochester, April, 1986. Invited colloquium participant.
- Tansley, B.W., Fried, P.A. and Mount, H.T.J. Visual Processing in Children Exposed Prenatally to Marihuana and Nicotine: A Preliminary Report. Public Health and Health Services Research: Present-Future Canadian Public Health Association, Ottawa, Canada, Dec. 3-4, 1985.
- Fried, P.A. Marihuana and human pregnancy. IV World Congress of Biological Psychiatry. Philadelphia, Pennsylvania, Sept. 1985. (Published in their proceedings).
- Fried, P.A. The Ottawa Prenatal Prospective Study - Recent Developments. New Developments in Child and Adolescent Mental Health: Clinical, Educational, Socio-legal and Research Considerations, Royal Ottawa Hospital, Ottawa, 1985.

Gusella, J., & Fried, P.A. Effects of maternal social drinking and smoking on offspring. Paper presented at the Society for Research in Child Development, Toronto, April, 1985.

Fried, P.A. Postnatal consequences of maternal marijuana use. National Institute on Drug Abuse Technical Review Meeting, Washington, D.C., September, 1984. Invited Paper.

Fried, P.A. Marijuana, nutrition and neonatal outcome. Behavioral Teratology Society, Florida, June, 1984. Invited Paper.

Fried, P.A. The Ottawa Prenatal Prospective Study -- Liberal, Conservative or NDP (Never During Pregnancy) Drug Use During Pregnancy (Moderator and one of five participants). Annual Convention of the Canadian Psychological Association, May-June, 1984.

Fried, P.A. Smoking Habits Before, During and After Pregnancy and Some Neonatal Outcomes. Fifth World Conference on Smoking and Health. Winnipeg, July, 1983.

Fried, P.A. Neurobehavioral Effects on Offspring Following Marijuana Use by Pregnant Women. Society of Research in Child Development. Detroit, April, 1983.

Fried, P.A. Soft drug use during pregnancy -- effects on the offspring. Second Pediatric Behavioral Medicine Conference, Toronto, Ontario, May 1982.

Fried, P.A. Life begins at -40; conceptually speaking. Address to 31st meeting of the Association for Early Childhood Education. Ottawa. March, 1982.

Fried, P.A. The offspring of marijuana users -- a matched control approach. Winter Conference on Brain Research. Colorado, 1982. Invited Paper.

Fried, P.A. Soft drug use during pregnancy and the effects on the offspring. Addictions '81, Ottawa. Invited paper. Oct. 1981.

Fried, P.A. Marijuana use by pregnant women -- current status. Committee on Problems of Drug Dependence. San Francisco. July, 1981.

Staisey, N. & Fried, P.A. Correlations between social drinking during pregnancy and infant muscle tone. Pediatric Behavioral Medicine Conference, Ottawa, May, 1981.

Staisey, N. & Fried, P.A. Relationship between moderate maternal alcohol consumption during pregnancy and infant neurological development. Eastern Psychological Association, New York, April, 1981.

Fried, P.A. Behavioural effects in human offspring following in utero exposure to drugs. Society of Toxicology of Canada. Invited paper, December 1980. (Published in their Proceedings).

Fried, P.A. Substance use in pregnancy: A psychosocial perspective. Biological vulnerabilities and psychosocial factors in "infants at risk" for developmental dysfunction. Institute of Medicine, National Academy of Sciences, Washington. August, 1980. Invited paper.

Fried, P.A. Maternal use of soft drugs: Their influence on future performance of infants. World Assembly of the World Organization for Preschool Education. Ottawa, Ontario, July, 1980. Invited paper.

Gusella, J. & Fried, P.A. A follow-up of the effects of soft-drug use on the offspring at 13 months. Canadian Psychological Association, QuÈbec City, QuÈbec, June, 1980.

Mackey, S. & Fried, P.A. Infant feeding practices: Some related factors and attitudes. Canadian Psychological Association, QuÈbec City, QuÈbec, June, 1980.

Fried, P.A. Maternal use of alcohol, cigarettes and/or marihuana during pregnancy. Society for Neuroscience, Atlanta, November, 1979.

Fried, P.A. Effect of the environment on the fetus. American College of Gynecologists, Ottawa, October, 1979. Invited Paper.

Fried, P.A. External factors affecting the fetus. North American Annual Conference of the College of Obstetricians and Gynecologists, Ottawa, October, 1979. Invited Paper.

Fried, P.A. Use of soft drugs during pregnancy. Canadian Association for Young Children, Ottawa, October, 1979. Invited Paper.

Watkinson, B. & Fried, P.A. Nutritional intake during pregnancy and its relation to smoking and alcohol consumption. Paper presented at Canadian Psychological Association, Calgary, June, 1979.

Staisey, N. & Fried, P.A. Effects of moderate alcohol consumption on the neurological development of human neonates. Paper presented at Canadian Psychological Association, Calgary, June, 1979.

Fried, P.A. Patterns of "soft" drug use during pregnancy and its effects upon suckling. Paper presented at Canadian Psychological Association, Calgary, June, 1979.

Fried, P.A. , & Charlebois, A. Pre-natal marihuana effects potentiated or attenuated by manipulation of protein diet prior to and during gestation. Paper presented to American Association for the Advancement of Science, Houston, Texas, January, 1979.

Fried, P.A. Long-term effects of marihuana in animals: An example of animal research leading to human studies. Invited paper delivered at the Canadian Association for Laboratory Animal Science, Toronto, August, 1978.

Fried, P.A. Long-term effects of marihuana. Invited address to Maryland Drug Abuse and Treatment Foundation, Baltimore, Md. September, 1977.

Fried, P.A. Behavioral and electroencephalographic correlates of the chronic use of marihuana. Invited paper presented at a satellite symposium at Canadian Psychological Association, Toronto, June, 1974.

Fried, P.A. Cannabis and performance. Invited address delivered at the NATO Symposium on Drugs, Sleep, and Performance in Scotland, September, 1972.

Shannon, M.E., & Fried, P.A. The macro-microscopic distribution of Δ^9 -THC in the CNS of the rat. Paper presented at Canadian Psychological Association, Ottawa, June, 1972.

Fried, P.A. Acute and chronic effects of Δ^9 -THC on depth perception in rats. Paper presented at Canadian Psychological Association, Ottawa, June, 1972.

Potvin, R., & Fried, P.A. Long and short term effects in rats of Δ^9 -THC, an active component of marihuana. Paper presented at the Canadian Psychological Association, Ottawa, June, 1971. (Potvin, R., & Fried, P.A. Abstract, Canadian Psychologist, 1971, 12, 200).

Fried, P.A. Effect of pre- and post-operative treatment of septal lesioned rats. Paper presented at the Canadian Psychological Association, Montréal, June, 1969. (Fried, P.A. Abstract, Canadian Psychologist, 1969, 10a, 203.)

Fried, P.A. & Goddard, G.V. The effects to limbic system lesions at different stages of conflict in the rat. Paper presented at the Canadian Psychological Association, Ottawa, June, 1967. (Fried, P.A., & Goddard, G.V. Abstract, Canadian Psychologist, 1967, 8a, 163-164).

Fried, P.A. & Banks, R.K. Resistance to continuous punishment as a function of the number of reinforced trials during intermittent punishment training under within-subject conditions. Paper presented at the Canadian Psychological Association, Vancouver, June, 1965. (Fried, P.A. & Banks, R.K. Abstract, Canadian Psychologist, 1965, 6a, 219.)

PROFESSIONAL ACTIVITIES:

Advisory Committee on Hallucinogenic Drugs of Federal Government (1969-1973).

Served as a referee for Journals and Granting Agencies since 1969.

Journal Referee for Physiology and Behavior, Behavioral Biology, Pharmacology, Biochemistry and Behavior, Canadian Journal of Psychology, British Journal of Psychology, Journal of Physiological and Comparative Psychology, Life Sciences, Psychopharmacologia, Pediatrics, New England Journal of Medicine, American Journal of Epidemiology, Toxicology and Teratology, Nature, Neurobehavioral Toxicology and Teratology, Archives of Pediatrics and Adolescent Medicine, Neurotoxicology & Teratology, Archives of General Psychiatry, American Journal of Public Health, Reproductive Toxicology, Annals of Epidemiology, Society for Research on Nicotine, Tobacco, Biological Psychiatry, Psychological Medicine, Canadian Medical Association Journal, Lancet, Neuroscience and Biobehavioral Reviews, Pharmacology, Biochemistry & Behavior, Neurotoxicology & Teratology Birth Defects Research Part A: Clinical and Molecular Teratology

Membership Committee - Behavioral Teratology Society (1990-1993) Chairman
(1992/1993)

Council Member - Behavioral Teratology Society (1993/present)

Section Editor - Epidemiology/Clinical section of Neurotoxicology & Teratology. 1993-2001

Grant referee for Ontario Mental Health, Non-Medical Use of Drugs, Drug Abuse, National Health & Welfare, National Research Council, National Science Foundation (U.S.), National Institute of Mental Health (U.S.), March of Dimes, Medical Research Council, National Institute on Drug Abuse, Phillip Morris External Research Program, Australian Brewer's Foundation.

Report presented to Ledain Commission, Ottawa, Canada (1970).

Editorial Board of Science Research Associates (Book publisher) 1976-present.

Member of National Institute on Drug Abuse Special Committee on AIDS 1985-1988.

Member of Sociobehavioural Subcommittee, Drug Abuse AIDS Research Review Committee of the National Institute on Drug Abuse. (Acting Chairman, Spring/Summer, 1989) 1986-1990.

Member of National Institute on Drug Abuse Special Committee on Human Development - 1987-1997 (Chairman, Fall, 1989/ 1992)

Member of National Institute on Drug Abuse -Human Development & Aging Committee (NIDA-HUD-3) -1997-present

Served on Australian International Meeting on non-occupational exposure to lead. Melbourne, Australia. October, 1992.

Served on World Health Organization's International Programme on Chemical Safety: - "Evaluation of Methodologies Used to Assess Behavioural Effects of Lead in Children." Melbourne, Australia. October, 1992;

"Evaluation of Methodologies Used to Assess Neurobehavioural Development of Children Exposed in Utero to Methylmercury." Montreal, July 1997

Advisory Panel for the Sociometrics Data Archives Corporation 1992-1995.

Served on Panel on workshop organized by the White House Office of Science and Technology Policy (OSTP) " Scientific Issues Relevant to Assessing of Health Effects from Exposure to Methylmercury". Raleigh, North Carolina, November 1998

Contract with Health Canada, Chemical Hazard Assessment Division – A Report on the Critical evaluation of Caffeine in Children 1999.

Invited member of External Advisory Committee –Agency for Toxic Substances and Disease Registry – Department of Health & Human Services, Washington 2000-present

Member of National Institute of Health Special Emphasis Panel on Child Neglect. January, 2000

Invited 'expert' appearing before the Special Committee on Non-medical Use of Drugs, House of Commons, Ottawa. June 10/2002. (televised proceedings)

Invited 'expert consultant' on several legal cases in the United States dealing with marihuana and pregnancy (1998-2004)

Invited member of Methods and Biomarkers Conference, Fetal Toxicity Subgroup, National Cancer Institute 2003/2004.

Invited Consultant on Health Canada's Medical Marijuana Research Strategy 2003-present

Invited Participant in NIDA (National Institute on Drug Abuse) and NICHD (National Institute of Child Health and Human Development- Washington) sponsored Long-term Follow-up of Prenatal Drug Exposure. Advances, Challenges, and Opportunities. Washington March 2004.

Invited Expert Participant for US Department of Health & Human Services - Stimulant Expert Panel – National Toxicology Program; Center for the Evaluation of Risks to Human Reproduction (Methylphenidate & Amphetamine) Washington (2004-2005)

NIDA reviewer for “Consequences of Marijuana Use on the Developing Brain”

Health Canada – Office of Research and Surveillance. Prepared and presented working paper for a Request for Research proposal on ‘Impact of use of marijuana for medical purposes on patient’s driving abilities. March, 2005.

Elected President-Elect of the Neurobehavioral Teratology Society for 2005-2006 and President for 2006-2007.

PROFESSIONAL HONOURS:

- 1973 Award of Merit for film "Anesthetizing and Handling a Rat."
Canadian Festival of Institutionally Produced Instructional Media.
- 1977 Maryland Drug Abuse Research and Treatment Award for
Marihuana Research.
- 1980 Faculty of Social Science Merit Award
- 1982 Elected Fellow of the Canadian Psychological Association
- 1983 Faculty of Science Merit Award
- 1988 Faculty of Social Science Scholarly Achievement Award
- 1990 Janssen Research Council Visiting Professor, Durban South
Africa
- 1990/91 Research Achievement Award - Carleton University.
- 1996 MERIT (Method to Extend Research in Time) award - National
Institute on Drug Abuse
- 2002 Festschrift to Fried in Neurotoxicology & Teratology, 2002, 24

MEMBERSHIP IN PROFESSIONAL SOCIETIES:

- 1970 American Association for Advancement of Science
- 1977 Behavioral Teratology Society
- 1978 Canadian Psychological Association

RESEARCH GRANTS SINCE 1988:

National Institute on Drug Abuse (NIDA)

Fried as Principal Investigator

1988-1991 \$110,000/year

Prenatal Cannabis & Cigarette Exposure - Long term Effects

Fried as co-investigator

1988-1991 \$140,000/year

Long term effects on Offspring of Chronic Cannabis Using Women in Jamaica

Fried as Principal Investigator

1991-1993 \$120,000/year

Prenatal Cannabis & Cigarette Exposure - Long term Effects

Fried as Principal Investigator

1993-1996 \$150,000/year

Prenatal Cannabis & Cigarettes - Consequences at 9 1/2 to 12 years of age

Fried as Principal Investigator

1996-2002 \$200,000/year

Prenatal Cannabis & Cigarettes - Outcomes in Adolescents & Young Adults

Fried as Principal Investigator

2002-2006 \$250,000/year

Prenatal Cannabis & Cigarettes- Outcomes in Young Adults

Fried as one of five Principal Investigators

2001-2006 \$1,600,000 for five years.

Province-wide Research Consortium –BRAIN (Behavioral Research and Imaging Network) funded by the Ontario Research and Development Fund. The overall funding is approximately 16 million and the Ottawa component approximately 1.6 million The Ottawa component has, as its Principal Investigator and Co-ordinator – Matt Hogan at the Ottawa Health Research Institute. Dr Hogan, myself and 3 others are principle investigators (2001-2006).

Fried as Collaborator

2004-2006 – Cannabis for management of pain-assessment of safety study (COMPASS)

Mark Ware (McGill) – P.I.