CURRICULUM VITAE

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EDUCATION

1975 B.A., Zoology, University of California (Berkeley)
1980 Ph.D., Genetics, University of California (Berkeley)
Dissertation Title: Endocrinology and Epidemiology of Familial Breast Cancer.
Sponsor: Mary-Claire King, Ph.D.

POSTDOCTORAL TRAINING

1981 University of California (Berkeley): Cancer Epidemiology

ACADEMIC APPOINTMENTS

1981-88	Assistant Professor of Public Health (Epidemiology) (in the Sergievsky Center), Columbia University
1988-91	Assistant Professor of Clinical Public Health (Epidemiology) (in the Sergievsky Center), Columbia University
1989-present	Research Scientist V, Epidemiology of Brain Disorders Research Department, New York State Psychiatric Institute
1991-1996	Associate Professor of Clinical Public Health (Epidemiology) (in the Sergievsky Center) (tenure-of-title), Columbia University
1996-2000	Associate Professor of Public Health (Epidemiology) (in the Sergievsky Center) (tenure), Columbia University
1998-present	Deputy Director for Research, G. H. Sergievsky Center, Columbia University
2000-2006	Professor of Epidemiology (in the Sergievsky Center), Columbia University
2006-present	Professor of Epidemiology (in Neurology and the Sergievsky Center), Columbia University
2002-present	Research Collaborator, Mayo Clinic Rochester

HONORS

B.A. in Zoology conferred with Distinction in General Scholarship, University of California (Berkeley), 1975
Sergievsky Fellow, Gertrude H. Sergievsky Center, 1981-83
Sergievsky Scholar, Gertrude H. Sergievsky Center, 1984-1986
Fellow, Center for Advanced Study in the Behavioral Sciences (Stanford, CA), 2007-08
Finalist, American Epilepsy Society Research Recognition Award, 2009, 2010

MEMBERSHIP IN PROFESSIONAL SOCIETIES

American Epilepsy Society
American Academy of Neurology
American Society of Human Genetics
International Genetic Epidemiology Society
Society for Epidemiologic Research

DEPARTMENTAL AND UNIVERSITY COMMITTEES

Executive Committee, G. H. Sergievsky Center (1991-present)
Admissions Committee, School of Public Health (1989-91)
Admissions Committee, Division of Epidemiology (1989-91)
Health Sciences Faculty Council (1990-1999)
Steering Committee, School of Public Health (1991-1994 and 1998-2001) (Chair, 1991-92)
Ph.D. Subcommittee in Epidemiology (1992-present)
General Qualifying Examination Committee, Department of Epidemiology (2000-present)
Committee on Appointments and Promotions, Faculty of Health Sciences (2004-2010) (Chair, 2007)
Curriculum Committee, Department of Epidemiology (2010-present)
Faculty Recruitment Committee, Department of Epidemiology (2010-present)
Co-chair, Search Committee for Chair of Department of Sociomedical Sciences, Mailman School of Public Health (2011)
Chair, Committee on Appointments and Promotions, Department of Epidemiology (2012-present)
Committee on Appointments and Promotions, Department of Neurology (2011-present)

TEACHING EXPERIENCE AND RESPONSIBILITIES

Formal Courses:

Introduction to Epidemiology (1981), Section Leader. Enrollment: 100-150 students.
Genetics in Epidemiology (since 1981): This is a doctoral level course in the Department of Epidemiology, Mailman School of Public Health Columbia University. Enrollment: 20-25 students per year.

Doctoral Students Sponsored:

Name and dissertation title	Current position
Lynn Petukhova, M.S. "Genetic Epidemiology of Alopecia Areata"	Ph.D.in epidemiology in progress
Anna Peljto (Dr.P.H., Biostatistics, 2010). "Familial Aggregation of Epilepsy"	Postdoc, Department of Epidemiology, University of Colorado
Ann Madsen (Ph.D., Epidemiology, 2009). "On Penetrance & Pies: Application of Causal Models to Genetic Epidemiology"	Quality Improvement Unit Manager, Bureau of Vital Statistics, New York City Department of Health and Mental Hygiene

Name and dissertation title	Current position
Christie Barker-Cummings (Dr.P.H., Epidemiology, 2007). "Shared Genetic Susceptibility to Epilepsy and Febrile Seizures"	Senior Study Manager, Social & Scientific Systems, Durham, NC
Gary Heiman (Ph.D., Epidemiology, 2002). "Psychiatric Manifestations of the DYT1 Dystonia Gene"	Assistant Professor of Human Genetics, Rutgers University
Emanuela Taioli, M.D. (Ph.D., Epidemiology, 1999). "Gene-Environment Interaction in Cancer Risk"	Professor, Department of Epidemiology and Biostatistics, and Professor of Hematology and Oncology, School of Medicine, SUNY Downstate
Joseph H. Lee, M.P.H. (Dr.P.H., Epidemiology, 1996). "Differential Susceptibility to Congenital Malformations and Epilepsy in Offspring of Individuals with Epilepsy"	Associate Professor of Clinical Epidemiology (in the Sergievsky Center), Columbia University
Nicole Schupf, Ph.D. (Dr.P.H., Epidemiology, 1995). "Reproduction in Individuals with Idiopathic/Cryptogenic Epilepsy"	Professor of Clinical Epidemiology (in the Sergievsky Center and the Taub Institute), Columbia University
Suzanne M. Leal (Ph.D., Epidemiology, 1994). "Etiologic/Genetic Heterogeneity"	Professor, Department of Molecular and Human Genetics, Baylor College of Medicine

Current Postdoctoral Fellows (Mentor or Co-Mentor):

Name and position	Source of support
Annapurna Poduri, M.D., M.P.H., Instructor in Neurology, Harvard Medical School	NINDS K23 award: Genetics of Familial Epilepsy Syndromes, 2010-2015.
Magdalena Cerda, Dr.P.H., Assistant Professor of Epidemiology, Columbia University	K01 grant: The role of genotype in modifying the relationship between individual and neighborhood adverse conditions and the risk of psychiatric comorbidity, 2009-present.
Gary A. Heiman, Ph.D., Assistant Professor of Genetics, Rutgers University	NINDS K23 award: Shared genetic susceptibility to epilepsy and depression, 2007-2012
Eleanor Murphy, Ph.D.	NIMH K22 Career Transition Grant in Health Disparities award, 2010-present
Yuan-Yuan Ho, Ph.D.	NIMH T32 grant: Genetics of complex disorders (postdoctoral trainee)

Previous Postdoctoral Fellows (Mentor or Co-Mentor):

Name and years	Current position
Yuanjia Wang, PhD, 2005-2006	Assistant Professor of Biostatistics, Columbia University
Jocelyn Bautista, M.D., 2005-2011	Assistant Professor of Medicine, Cleveland Clinic
Rose Lai, M.D., M.Sc., 2006-2009	Assistant Professor of Neurology, Columbia University

Name and years	Current position
Sara Shostak, PhD, 2004-2006	Assistant Professor of Sociology, Brandeis University
Ayse Ulgen, PhD, 2002-2004	Assistant Professor of Biostatistics, Odense University, DENMARK
Filippo Martinelli-Boneschi, MD, 2000-2002	Neurologist, San Raffaele Hospital, Milan, ITALY
Celia Llanusa-Ruiz, M.D., 2000-2001	Medical Geneticist, Havana, CUBA.
Melodie Winawer, MD, MS, 1998-2007	Assistant Professor of Neurology (in the Sergievsky Center), Columbia University
Elan Louis, MD, MS, 1997-2000	Professor of Neurology and Epidemiology, Columbia University

Master's student advisees (since 2000):

Jacob Kresovich (2011-2012)
Richard Gill (2009-2010)
Vanessa Arnedo (2009-2010)
Kay Kamberakis (2006-2008)
Michael J. Rosanoff (2007-2008)
Karina Berenson (1999-2000)
Jacqueline Arciniega (1999-2000)
Filippo Martinelli-Boneschi (2000-2002)
Jade Cantor (1999-2000)

FELLOWSHIP AND GRANT SUPPORT

Present Support (Principal Investigator)

05/1/07-04/30/12: The Epilepsy Phenome-Genome Project (NIH R01 NS053998) (Ruth Ottman, subcontract PI, DL Lowenstein, overall project PI). Total direct costs: $31,109,028 (subcontract to Columbia University $492,256). Goal: Multisite study to collect high-quality, in-depth phenotype data on a large cohort of affected relative pairs and parent-offspring triads with epilepsy, to be used for studies aimed at identifying genomic variants that raise risk.

09/01/09-08/31/12: Validation of a Standardized Diagnostic Interview for Epilepsy (NIH R03 NS NS065346). Total direct costs: $100,000. Goal: To validate a standardized interview for clinical diagnosis and classification of epilepsy and make it available to the scientific community as a web-based computer-assisted telephone interview.

09/01/11-08/31/16: Epi4K: Gene Discovery in 4,000 Epilepsy Genomes. Phenotyping and Clinical Informatics Core (NIH U01 NS077276) (Lowenstein/Ottman/Dlugos/Scheffer/Berkovic [MPI]). Total direct costs: $2,114,027 (subcontract to Columbia University $133,100). Goal: To identify genetic variation influencing risk for epilepsy in a collaborative study using whole genome and whole exome sequencing in 4,000 epilepsy patients. The Phenotyping and Clinical Informatics Core will be responsible for assembling, organizing, and validating the phenotypic information on all patients proposed for genomic analysis, and insuring that patients' DNA samples are available for molecular analysis.

09/01/12-08/31/15: Epi4K: Gene Discovery in 4,000 Epilepsy Genomes. 5 of 7: Multiplex Families and Pairs (NIH U01 NS077367) (Berkovic/Ottman/Epstein/Cossette [MPI]). Total direct costs: $944,946 (subcontract to Columbia University $159,096). Goal: To identify genetic variation influencing risk for epilepsy in a collaborative study using whole genome and whole exome sequencing in 4,000 epilepsy patients. Project 5 will investigate genomes in multiplex families and affected relative pairs with epilepsy.

04/01/12-03/31/16: Psychosocial Impact of Genetics in Epilepsy (NIH R01 NS078419). Total direct costs: $1,486,607. Goal: To assess the psychosocial impact of genetic attributions and actual genetic test results in families containing multiple individuals with epilepsy.

Present Support (Coinvestigator)

04/01/10-03/31/13: Center for ELSI Research on Psychiatric Neurologic and Behavioral Genetics (NIH P20 HG005535, PS Appelbaum, principal investigator). Total direct costs: $450,000. Goal: To conduct activities aimed at developing a P50 application for a CEER focused on psychiatric, neurologic, and behavioral genetics.

09/15/11-07/31/14: Identification of Susceptibility Genes for Essential Tremor (R01 NS073872, Clark/Louis [MPI]). Total direct costs: $1,125,160. Goal: To identify genes that raise risk for essential tremor using linkage analysis and next generation sequencing approaches.

07/01/07-06/30/12: Genetic Analysis: Psychiatric and Other Complex Diseases (Institutional Research Training Grant NIMH T32 MH65213, Susan Hodge, principal investigator). Total direct costs: $1,861,287. Goal: To train predoctoral and postdoctoral fellows in genetic epidemiology and genetic analysis of complex diseases.

09/01/06-08/31/11: A Post-Doctoral Training Program in Population Health (Robert Wood Johnson Foundation, Bruce Link, principal investigator). Total direct costs: $5,750,000. Goal: To provide postdoctoral training and promote research in population health.

Past Support (Principal Investigator)

09/30/09-08/31/11: Whole-genome sequencing in multiplex epilepsy families (NIH RC2 NS070344, Goldstein/Ottman [MPI]). Total direct costs: $2,000,025 (subcontract to Columbia University $427,179). Goal: To identify genes that influence risk for epilepsy by carrying out whole genome, next generation sequencing in families containing multiple affected individuals.

8/15/02-5/31/10: Genetic Epidemiology of Seizure Disorders in Rochester (NIH R01 NS043472). Total direct costs: $5,401,406. Goal: To carry out a population-based study of the genetic epidemiology of seizure disorders in Rochester, MN.

12/01/02-11/30/10: Genetics of AD Partial Epilepsy with Auditory Features (NIH R01 NS036319, years 4-9). Total direct costs: $2,320,437. Goal: To ascertain additional families and isolated cases of epilepsy with auditory features, and evaluate the extent and nature of the effects of mutations in *LGI1*.

4/1/97-3/31/01: Genetics of AD Partial Epilepsy with Auditory Features (NIH R01 NS36319, years 01-03). Total direct costs: $417,115. Goal: to confirm and refine the localization of an autosomal dominant gene for partial epilepsy with auditory features, which we previously mapped to chromosome 10q.

3/7/05-3/6/06: Ethical, Social, and Policy Dimensions of Epilepsy Genetics (Robert Wood Johnson Health and Society Scholars Program Seed Grant, with Sara Shostak, Ph.D.). Total direct costs: $15,000. Goal: To examine the social, ethical, and policy dimensions of emerging genetic information about epilepsy, from the perspectives of individuals in families affected by epilepsy and their health care providers.

1/1/97-3/31/03: Genetic Epidemiology of Familial Epilepsy (NIH R01 NS20656, years 09-13). Total direct costs: $2,204,096. Goal: to carry out genetic linkage analysis in order to localize genes that influence susceptibility to epilepsy.

4/1/92-12/31/96: Genetic Epidemiology of Familial Epilepsy (NIH R01 NS20656, years 06-08). Total direct costs: $876,472. Goals: To validate the autosomal dominant model resulting from our previous segregation analysis by performing additional analyses of the families containing ≥3 affected individuals, assess homogeneity in the clinical manifestations of seizure disorders in these families, and collect blood samples in preparation for a future genetic linkage study.

4/1/89-3/31/92: Genetic Epidemiology of Familial Epilepsy (NIH R01 NS20656, years 04-05). Total direct costs: $365,518. Goals: To resolve questions about genetic heterogeneity in the epilepsies and test various genetic and nongenetic models using segregation analysis.

9/7/85-3/31/89: Epidemiology of Familial Epilepsy (NIH R01 NS20656, years 01-03). Total direct costs: $808,396. Goals: To carry out a familial aggregation study of the epilepsies by sampling 1,957 probands with epilepsy from voluntary organizations, and collecting information on seizures and related disorders in their families through structured telephone interviews and review of medical records.

12/1/85-11/30/88: Genetic Epidemiology of Seizure Disorders in Rochester (NIH R23 NS22050). Total direct costs: $107,499. Goal: To carry out a secondary analysis of data from the Rochester Epidemiology Project, aimed at testing genetic models for susceptibility to seizure disorders.

7/1/88-6/30/91: Genetic Epidemiology of Amyotrophic Lateral Sclerosis (Muscular Dystrophy Association). Total direct costs: $90,205. Goal: To assess familial associations between three disorders of the aging central nervous system: ALS, Alzheimer's Disease, and Parkinson's Disease.

1/1/81-12/31/81: Seizures in Families: Heterogeneity and Patterns of Familial Clustering (Epilepsy Foundation of America, with Ruth Ottman as project director). Total direct costs: $11,979. Goal: to carry out a pilot study to develop methods for data collection in a family study of epilepsy.

<u>Past Support (Coinvestigator):</u>

07/01/98-6/30/10 (no cost extension, renewal years 6-10): Genetic Epidemiology of Parkinson's Disease (NIH R01 NS36630, Karen Marder, principal investigator). Total direct costs: $1,184,885. Goal: To elucidate the effects of parkin mutations on risk for Parkinson’s disease.

4/1/05-3/30/09: Environmental Epidemiology of Essential Tremor (NIH R01 NS39422, Elan Louis, principal investigator). Total direct costs: $1,734,796. Goal: To investigate the role of exposure to beta carboline alkaloids in essential tremor.

5/5/03-4/30/06: A Paradox of Genetic Research: Race/Ethnicity & Disease (NIH R01 HG002517, Sheila Rothman, principal investigator). Total direct costs: $675,000. Goal: To explore how genetic researchers evaluate the effects of racial/ethnic differences on disease risk.

12/01/00-11/30/03: Developmental Insult & Adult Brain Disturbance in Schizophrenia (NIH R01 MH60249, Alan Brown, principal investigator). Total direct costs: $750,000. Goal: To assess the effect of developmental brain insults on risk for schizophrenia.

07/01/00-06/30/03: Genetic Epidemiology of Aging in a Multiethnic Community (NIH R01 AG18732, Richard Mayeux, principal investigator). Total direct costs: $1,582,320. Goal: To assess familial aggregation of longevity.

08/15/99-06/30/04: The Epidemiology of Dementia in an Urban Community (NIH P01 AG07232, Richard Mayeux, principal investigator). Total direct costs: $4,930,272. Goal: To study genetic and nongenetic risk factors for dementia in Washington Heights-Inwood, New York.

12/01/98-11/30/03: Genetic Epidemiology of Alzheimer's Disease in Hispanics (NIH R01 AG15473, Richard Mayeux, principal investigator). Total direct costs: $2,578,087. Goal: To localize genes that raise risk for Alzheimer's disease in Hispanics.

07/01/96-06/30/00: Biomarkers of Genetic Damage and Antioxidant Micronutrients in an Intervention Study of Cigarette Smokers (NIH R01 CA69094, Frederica Perera, principal investigator). Total direct costs: $1,897,460. Goal: Clinical trial of vitamin supplementation to prevent genetic damage in heavy smokers.

04/01/95-03/31/00: Breast Cancer and the Environment on Long Island (NIH U01 CA66572, Marilee Gammon, principal investigator). Total direct costs: $6,318,789. Goal: To determine whether OCCs (DDE, PCBs, chlordane) and polycyclic aromatic hydrocarbons are associated with breast cancer risk in Long Island women.

07/01/94-06/30/96: Family History of Cancer in Women with Ovarian Tumors (1 R03 CA64194, C. Westhoff, principal investigator). Total direct costs: $50,859. Goal: To study the role of family history of cancer on the risk of developing a benign ovarian tumor.

09/15/93-09/14/96: Molecular Epidemiology of Severe Ambient Air Pollution on Women and Developing Fetus (DE FG02-93 ER61719, Frederica Perera, principal investigator). Total direct costs: $299,403. Goal: To validate biologic markers of biologically effective dose, early molecular effects, and susceptibility in stored samples from a cohort of Polish women and newborn infants heavily exposed to ambient pollution, largely from coal combustion.

09/01/92-04/31/99: Leadership and Excellence in Alzheimer Disease: Gene Environment Interaction in Alzheimer Disease (NIH R35 AG10963, Richard Mayeux, principal investigator). Total direct costs: $2,893,522. Goal: Population-based study of genetic and nongenetic risk factors for Alzheimer disease in Washington Heights, New York.

06/01/92-5/31/97: Down Syndrome & Alzheimer Disease: Familial Aggregation (NIH R01 AG09400, Nicole Schupf, principal investigator). Total direct costs: $1,098,032, Subcontract amount: $181,398). Goal: To study familial aggregation of Down syndrome and Alzheimer disease.

10/01/92-09/30/96: Parkinson's Disease in Twins (NIH U10 NS31321, Caroline Tanner, principal investigator). Total direct costs: $3,082,897, Subcontract amount: $87,069). Goal: A population-based study of genetic and nongenetic influences on Parkinson's disease, using the NAS/NRC twin registry.

04/01/92-03/31/96: Molecular Epidemiology of Lung Cancer, a Nested Case Control Study (NIH R01 CA53772, Frederica Perera, principal investigator). Total direct costs: $936,378. Goal: To elaborate mechanisms in respiratory carcinogenesis and validate biologic markers as predictors of lung cancer risk.

07/01/90-06/30/93: Biomarkers of Environmental Tobacco Smoke Exposure in Children and Adults (NIH R01 CA51196, Frederica Perera, principal investigator). Total direct costs: $513,348. Goal: To study correlations between mothers and children in biomarkers of exposure to environmental tobacco smoke.

12/01/89-11/30/94: Molecular Toxicology of Environmental Carcinogens (NIH P01 ES05294, Frederica Perera, principal investigator). Total direct costs: $1,863,366. Goal: This study was designed to validate biomarkers of exposure and susceptibility to carcinogens, in order to increase understanding of interindividual variation in biologic response.

07/01/89-06/30/92: Comparison of Biological Markers of Environmental Tobacco Smoke in Children and Adults (American Cancer Society, Frederica Perera, principal investigator). Total direct costs: $240,000. Goal: To study familial aggregation of biomarkers of tobacco smoke exposure.

OTHER PROFESSIONAL ACTIVITIES

Panel member, Workshop on Chemoprevention of Breast Cancer (December, 1983)

Panel member, Consensus Development Conference on Adjuvant Chemotherapy for Breast Cancer, National Cancer Institute (1985)

Member, Professional Advisory Board, Epilepsy Society of New York City (1987-present)

Obesity and Cancer Workshop II, National Cancer Institute (April, 1987)

American Epilepsy Society Representative, Consensus Workshop on Driver Licensing, Sponsored by AAN, EFA, AES (May 31 - June 2, 1991)

Chair, Columbia University Seminar on Genetic Epidemiology. This is a multidisciplinary forum for discussion of issues of interest to genetic epidemiologists from several research institutions in the New York area. (1982 - 2004)

Ad-hoc reviewer for: American Journal of Human Genetics, American Journal of Epidemiology, Epilepsia, Epilepsy Research, Genetic Epidemiology, Neurology, Nature Genetics, Human Molecular Genetics, Human Heredity, American Journal of Public Health, Annals of Neurology, JAMA

Ad-hoc grant reviewer for National Cancer Institute, National Institute of Neurological Disorders and Stroke, and National Institute of Deafness and Communicative Disorders, UK Medical Research Council, Wellcome Trust, Italian Ministry of Health, Telethon (Italy), Science Foundation Ireland, Neurological Foundation of New Zealand

Consultant, Commission on Epidemiology and Prognosis, International League Against Epilepsy (1993)

Editorial Board, *Epilepsia* (1998-2001)

Program Committee, International Genetic Epidemiology Society, 1996-1998 (Chair, 1996)

Genetics Commission, International League Against Epilepsy (1998-2010) (Chair, 2006-2009)

Genetic Epilepsy Syndromes Registry Task Force, American Epilepsy Society (1998-2002)

Program Committee, American Epilepsy Society (1998-2001 and 2003-2007)

Advisory Committee, Epilepsy Foundation Gene Discovery Project

Professional Advisory Board, Epilepsy Foundation (2000-2008)

Board of Directors, Epilepsy Foundation (2003-2006)

Member, Committee on Assessing Interactions Among Social, Behavioral, and Genetic Factors in Health, Institute of Medicine (2005-2006)

Ad-hoc Review Panel Member, Genetics of Health and Diseases Study Section, Genes, Genomes, and Genetics Integrated Review Group, National Institutes of Health (February 24-25, 2005)

Member, Schoenberg Award Committee, American Academy of Neurology (2001-2007)

Member, Clinical Research Task Force, American Epilepsy Society (2007-present)

Consultant, Ortho-McNeil Janssen Scientific Affairs (2008-present)

Member, Scientific Advisory Board, Trigeminal Solutions, Inc. (2007-present)

INVITED PRESENTATIONS AT NATIONAL OR INTERNATIONAL MEETINGS

Genetics of the Partial Epilepsies. Annual Course, American Epilepsy Society Meetings, Baltimore MD. December 6, 1987.

Gene-Environment Interaction: Definitions and Importance. The European Communities Conference on Genetic Epidemiology, Helsingor, DENMARK, May 31, 1992.

Estudios Genéticos Epidemiológicos de la Epilepsia. Unidad de Investigación Biomédica del Noreste, Instituto Mexicano del Seguro Social, Monterrey, MEXICO, July 7, 1992.

Epidemiología Genética. Unidad de Investigación Biomédica de Occidente, Instituto Mexicano del Seguro Social, Guadalajara, MEXICO, November 25, 1992.

An Epidemiologic Approach to Gene-Environment Interaction. Erasmus University Medical School, Rotterdam, THE NETHERLANDS, June 23, 1993.

Comorbidity of Epilepsy and Migraine: An Epidemiologic Approach. Neurologic and Psychiatric Comorbidity with Migraine: Consultants Roundtable. Naples, Florida, October 28-30, 1993.

Genetics of Epilepsy. Course on Clinical Epilepsy, American Academy of Neurology, Washington D.C., May 2, 1994.

Gene-Environment Interaction in Neurodegenerative Disorders. Parkinson's Epidemiology Research Committee Meeting, Santa Cruz, California, May 22, 1994.

Métodos de Investigación en Epidemiología Genética. Clínica de Especialidades Médicas Santa Ines S.A., Cuenca, ECUADOR, July 25, 1994.

Investigación en Ciencias Neurológicas, Curso Internacional, Quito, ECUADOR, July 28-30, 1994.

Contribución de la Genética en la Epilepsia. VII Congreso Panamericano de Epilepsia, La Habana, CUBA, January 17-20, 1995.

Complexities in the Search for Epilepsy Susceptibility Genes. Concerted Action on Genetic Analysis of Epilepsy, Workshop III, Corfu, GREECE, May 17-21, 1995.

A Susceptibility Gene for Partial Epilepsy Localized to Chromosome 10q. Concerted Action on Genetic Analysis of Epilepsy, Workshop III, Corfu, GREECE, May 17-21, 1995.

The Genetic Basis of the Epilepsies. Eighth International Congress on Twin Studies, Richmond, Virginia, May 28-June 1, 1995.

Beyond the Nature-Nurture Debate: Connecting Genes and Environment. Fourth Annual Meeting of the International Genetic Epidemiology Society. Salt Lake City, Utah, June 20-22, 1995.

Inherited Epilepsy. Epilepsy Foundation of America 1995 National Conference and Leadership Training. Key Biscayne, Florida, August 17-20, 1995.

Genetic Epidemiology: An Overview. Seminar on Methods for Collection and Analysis of Family Health Data, Padua, ITALY, February 29-March 1, 1996.

Genetic Epidemiology in Neurologic Disease. Keynote Address, North American Regional Meeting, Research Group on Neuroepidemiology of the World Federation of Neurology, March 29, 1996.

Genetic Epilepsy with Auditory Symptoms. Congress on Genetics of Partial Epilepsies, Avignon, FRANCE, September 7-10, 1996.

Linkage Analysis of Autosomal Dominant Partial Epilepsy with Auditory Features. XXI Congreso Nacional de Genetica Humana, La Asociación Mexicana de Genética Humana, Manzanillo, MEXICO, October 9-12, 1996.

Principles of Genetic Epidemiology. Course on Genetic Epidemiology, Annual Meetings of the American Academy of Neurology, Boston, Massachusetts, April 12, 1997

Genetics and the Clinical Classification of the Epilepsies. VIII Pan American Epilepsy Congress, Buenos Aires, ARGENTINA, September 12-13, 1997.

Genetic Epidemiology in Neurologic Disease. XVI World Congress of Neurology, Buenos Aires, ARGENTINA, September 14-19, 1997.

Principles of Genetic Epidemiology. Course on Genetic Epidemiology, Annual Meetings of the American Academy of Neurology, Minneapolis, Minnesota, April 25, 1998

Twin studies: How do they fit in to the future of genetic epidemiology? NHLBI and SRI International sponsored workshop, AThe Genetics of Cardiovascular Disease: What is the Role of Twin Studies? Washington, D.C., July 16-17, 1998.

Epilepsy Treatment in the 21st Century: The Role of Genetic Research. Epilepsy Foundation of America National Conference, San Antonio, Texas, September 20, 1998.

Controversy: Is the bulk of Parkinson's disease a genetic disorder? -- No. 5th International Congress of Parkinson's Disease and Movement Disorders, New York, October 10-14, 1998.

An Epidemiologic Approach to Gene-Environment Interaction. Annual Meeting of the American Association for the Advancement of Sciences, Anaheim, CA, January 25, 1999.

Gene-Environment Interaction in Neuropsychiatric Disorders. VIII Congress of International Federation of Psychiatric Epidemiology, Taipei, TAIWAN, March 6-9, 1999.

Principles of Genetic Epidemiology. Course on Clinical Research Methods, Annual Meetings of the American Academy of Neurology, Toronto, CANADA, April 19, 1999.

Biologically Plausible Models for Gene-by-Environment Interaction. Annual Meetings of the Society for Epidemiologic Research, Baltimore, MD, June 12, 1999.

Genetic Epidemiology. International Course in Neuroepidemiology, Ettore Majorana Centre for Scientific Culture. Erice, Sicily, ITALY, March 14-20, 2000.

Bioethical Issues of Gene Discovery. Curing Epilepsy: Focus on the Future. National Institutes of Health, Bethesda, MD, March 30-31, 2000.

Principles of Genetic Epidemiology. Course on Clinical Research Methods, Annual Meetings of the American Academy of Neurology, San Diego, CA, May 1, 2000.

Data Collection Methods in Genetic Studies of Epilepsy. Congreso Latinoamericano de la Epilepsia, Santiago, CHILE, September 7-9, 2000.

Progress in the Genetics of the Partial Epilepsies. Annual Course, American Epilepsy Society, Los Angeles, California, December 3, 2000.

Introduction to Genetic Epidemiology, Workshop on Genetic Epidemiology, Taipei, TAIWAN, December 14-16, 2000.

Course on Genetic Epidemiology, Havana, CUBA, April 11-13, 2001.

Genetic Epidemiology of the Epilepsies. Neuroepidemiology Forum, Congress of Epidemiology 2001, Toronto, CANADA, June 14, 2001.

Classification and Genetic Epidemiology of Epilepsy. Molecular Analysis of Complex Genetic Epilepsies, Bethesda, MD, January 31-February 1, 2002.

Overview of Human Epilepsy Genes. Merritt Putnam Symposium, American Epilepsy Society, Seattle, Washington, December 7, 2002.

Discussant, What are the Common Grounds: An American and Japanese Dialogue on Genetic Disease Linked to Racial and Ethnic Groups, Tokyo, JAPAN, May 8-9, 2003.

Risk Assessment for Genetic Counseling in the Epilepsies. Parallel Session, 25th International Epilepsy Congress, Lisbon, PORTUGAL, October 12-15, 2003.

Idiopathic Epilepsy Syndromes with Identified Genes or Genetic Linkage Evidence. Parallel Session, 25th International Epilepsy Congress, Lisbon, PORTUGAL, October 12-15, 2003.

Epilepsia: desde la población hasta la mutación. Conferencia Internacional de Epilepsia, Seville, SPAIN, May 7, 2004.

Introduction to Genetic Epidemiology. Cold Spring Harbor Laboratory course, Genetics of Complex Human Diseases, Banbury Conference Center, Lloyd Harbor, NY, June 9 – 15, 2004,

Las Epilepsias Idiopáticas: Descubrimiento de Genes y Mecanismos. III Congreso Latinoamericano de Epilepsia. Mexico City, MEXICO, July 4, 2004.

Allelic Association Studies in the Epilepsies. Advanced Epilepsy Management Symposium, Cleveland Clinic, Cleveland, Ohio. July 15-19, 2004.

Genetic Epidemiology. Second International Course of Neuroepidemiology, Ettore Majorana Centre for Scientific Culture, Erice, Sicily, ITALY, November 4-10, 2004.

Analysis of Complex Genetic Diseases. Annual course, American Epilepsy Society, New Orleans, Louisiana, December 5, 2004.

Epilepsia: Desde la Población Hasta una Mutación. Hospital Pediátrico “Juan Manuel Márquez”, Habana, CUBA, January 4, 2005.

Genetic epidemiology: insights into inheritance of epilepsy. International Epilepsy Congress, Paris, FRANCE, August 30, 2005.

Genetic epidemiology of the epilepsies. Epilepsy Genetics and Pharmacogenetics. The Banbury Center, Cold Spring Harbor Laboratory, October 23-26, 2005.

Should epidemiology guide genetics or vice-versa? Epilepsy Research Foundation Workshop on the Genetics of Epilepsy, St. Catherine’s College, Oxford, UK. March 22-24, 2006.

History and development of the syndrome. International workshop on autosomal dominant lateral temporal epilepsy: new concepts and delineation of the syndrome. Bologna, ITALY, October 6, 2006.

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