

Shrikant I. Bangdiwala, PhD

Full Professor

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EDUCATION

B.S. Mathematics and Statistics (1975, *summa cum laude*), University of North Carolina, Chapel Hill, NC
M.S. Biostatistics (1978), University of North Carolina, Chapel Hill, NC
Ph.D. Biostatistics (1980), University of North Carolina, Chapel Hill, NC

FOREIGN LANGUAGES: Spanish (completely fluent), French (reading, some conversation), Portuguese (comprehension), Gujarati (comprehension)

PROFESSIONAL POSITIONS

July 2016 – Sept 2016 Visiting Professor, Institute for Social and Health Sciences (ISHS), University of South Africa (UNISA), Cape Town & Johannesburg

July 2015 – Sept 2015 Visiting Professor, ISHS-UNISA, Cape Town

Oct 2014 – Jan 2015 Fulbright Professor, Universidad de Chile (Santiago) and Universidad de La Frontera, Temuco, Chile

June 2014 – Sept 2014 Visiting Professor, ISHS-UNISA, Cape Town

May 2012 – **present** Adjunct Professor, Department of Biostatistics, Christian Medical College, Vellore, India

Mar 2010 – **present** Professor *Extraordinarius*, ISHS-UNISA, Johannesburg

Oct 2009 – Nov 2009 Fulbright ‘Senior Specialist’, Division of Social Medicine, Karolinska Institutet, Stockholm, Sweden

Sept 2009 - **present** Visiting Adjunct Professor, Public Health Foundation of India, Gurgaon, India

Jan 2008 – Dec 2008 Visiting Professor, Division of Social Medicine, Karolinska Institutet, Stockholm, Sweden

Jan 2008 – **present** Visiting Professor, School of Public Health, Faculty of Medicine, Universidad de Chile, Santiago

Jan 2007 – Jul 2007 Fulbright ‘Senior Specialist’, Division of Social Medicine, Karolinska Institutet, Stockholm, Sweden

Mar 2006 – Apr 2006 Fulbright ‘Senior Specialist’, ISHS-UNISA, Johannesburg

Jun 2005 – Aug 2005 Fulbright ‘Senior Specialist’, Department of Statistics, Universidad Nacional de Tucumán, Argentina

Aug 2004 – **present** Visiting Professor, Faculty of Medicine, Universidad de Valparaíso, Chile.

Jul 2002 – **present** **PROFESSOR**, Research track, Biostatistics Dept, University of North Carolina, Chapel Hill (UNC-CH)

Aug 1995 - Dec 1995 Fulbright Professor, Clinical Epidemiology Unit, Universidad de La Frontera, Temuco, Chile

Jan 1991 - Jul 1991 Visiting Associate Professor, Centre for Clin. Epid. & Bios., University of Newcastle, NSW, Australia

Jul 1990 – Jun 2002 Associate Professor, Research track, Dept. of Biostatistics, UNC-CH

Oct 1989 - Jan 1990 Fulbright Professor, School of Statistics, Universidad de Costa Rica, San José

May 1983 - Dec 2000 Statistical Advisor, Pan American Health Organization, Washington, DC

Sep 1980 - Jun 1990 Assistant Professor, Research track, Dept. of Biostatistics, UNC-CH

HONORS

- Recipient, Fulbright Research and Lectureship Award, University of Chile School of Public Health jointly with the Faculty of Medicine of the Universidad de La Frontera (Temuco), Oct 2014-Jan 2015
- Recipient, Distinguished International Career Award, American Public Health Association’s Injury Control and Emergency Health Services section, Nov 2011
- Designated “**Fulbright Senior Specialist**” in Global Public Health, J.W. Fulbright Foreign Scholarship Board, Feb 2005-2011
 - Award: 2005 – Universidad Nacional de Tucuman, Argentina
 - Award: 2006 – University of South Africa
 - Award: 2007 & 2009 – Karolinska Institutet, Sweden
- Recipient, Fulbright Research and Lectureship Award, Faculty of Medicine, Universidad de La Frontera, Temuco, Chile (Aug-Dec 1995)
- Elected member, International Statistical Institute, 1993

- Recipient, Fulbright Lectureship Award, School of Statistics, Universidad de Costa Rica (San José), Oct 1989-Jan 1990
- Named member, World Health Organization's Expert Panel on the Prevention of Traffic Accidents, 1985
- Elected full member, Sigma Xi scientific research honor society, April 1984
- Elected member, Delta Omega public health honor society, 1980
- Elected member, Phi Beta Kappa undergraduate honor society, 1974

RESEARCH INTERESTS

Nonparametric methods, observer agreement, global health, methodology for clinical trials, injury statistics, statistical graphics, methodology for clinical epidemiology, meta regression

AREAS OF CONSULTING EXPERIENCE

Cardiovascular diseases in adults and risk factors in children; childhood and adolescent injuries; child abuse and neglect; intra-familial violence, road safety, traffic accident injuries; cognitive impairment and dementias among the elderly; sexually transmitted infectious diseases; herpetic eye diseases; gastrointestinal diseases, HIV/AIDS; cataracts and blindness; functional bowel disease; tropical infectious diseases; diabetes; obesity and metabolic syndrome; neonatal health

PROFESSIONAL SOCIETY MEMBERSHIPS

International Statistical Institute (**elected member**)
 The International Biometric Society
 Society for Clinical Trials
 American Statistical Association
 International Association of Statistical Education

FUNDED RESEARCH EXPERIENCE

- 1978-1988 Statistical consultant, Program on Sexually Transmitted Diseases, National Institute of Allergy and Infectious Diseases (NIAID), NIH [Several small laboratory- and animal-based assays studying the outer cell membrane behavior of viruses.]
- 1980-1984 Co-investigator, Lipid Research Clinics (LRC) Coronary Primary Prevention Trial Central Patient Registry, National Heart, Lung & Blood Institute (NHLBI), NIH [A 12-clinic double-blind randomized two-arm clinical trial to evaluate the effectiveness of a cholesterol reduction medication in reducing coronary heart disease mortality and non-fatal myocardial infarctions in hypercholesterolemic middle-aged men.]
- 1980-1990 Co-investigator and Project Leader (1985-1990), Lipid Research Clinics Prevalence Mortality Follow-up Study Coordinating Center, NHLBI, NIH [A 10-clinic population-based observational study of coronary heart disease mortality risk factors in selected subgroups of adults.]
- 1984-1990 Co-investigator and Project Leader (1985-1990), LRC Follow-up Study Coordinating Center, NHLBI, NIH [A 5-year observational mortality follow-up study of the participants of the LRC Coronary Primary Prevention Trial.]
- 1985-1991 Co-investigator, Studies of Left Ventricular Dysfunction Coordinating Center (SOLVD), NHLBI, NIH [A 23-clinic double-blind randomized two-arm clinical trial of the effectiveness of ACE-inhibition in reducing mortality in patients with symptoms of congestive heart failure, or with low ejection fractions.]
- 1986-1996 Principal Investigator, Survey of the Prevalence of Senile Dementia in Latin America, Pan American Health Organization [A two-stage survey of senile dementia in urban centers of Argentina, Chile and Cuba.]
- 1987-1994 Co-investigator and Project Leader, SOLVD Registry, NHLBI, NIH [A cohort study of screenees of the SOLVD Clinical Trials.]
- 1987-1993 Co-Investigator and Project Leader (1989-1993), Injury Prevention Research Center-Surveillance Project, Centers for Disease Control (CDC) [Development of a statewide computerized injury surveillance system for North Carolina emergency departments.]
- 1987-1987 Principal Investigator, Childhood Accident Survey, Pan American Health Organization (PAHO) [Development of report, "Surveillance and education systems for child safety in four selected countries of Latin America."]
- 1990-1997 Core faculty member, UNC Clinical Epidemiology Resource and Training Center of the International Clinical Epidemiology Network (INCLEN), Rockefeller Foundation [A training program for establishing clinical epidemiology research in developing countries.]
- 1990-2010 Co-investigator, Longitudinal Studies Coordination for Child Abuse and Neglect, National Center for Child Abuse & Neglect [A multi-site national longitudinal study of child abuse and neglect.]
- 1990-2006 Co-investigator, Cardiovascular Health in Children Study, National Institute for Nursing Research (NINR), NIH [A school-based intervention and longitudinal follow-up study of cardiovascular risk factors in North Carolina children and adolescents.]
- 1990-2003 Director, Biostatistics and Data Management Core, Center for Gastrointestinal Biology and Disease, National Institute of Diabetes, Digestive and Kidney Diseases (NIDDK), NIH [Statistical advice and collaboration in clinical research of gastrointestinal diseases and biology.]

- 1992-2015 Senior Statistician, Biostatistics Support Unit, UNC Center for Health Promotion and Disease Prevention [Coordination of data management and statistical analyses for collaborative research activities across the five schools in the Division of Health Affairs.]
- 1993-1994 Statistical Consultant, Reaching Adolescent Parents and Peers [A school-based intervention program to reduce violence in high school students in Durham, NC.]
- 1993-1996 Statistical Consultant, Safe Dates Project, CDC [A community-level intervention program to reduce partner violence in Johnson County, NC.]
- 1993-1995 Statistical Consultant, Ozone and Mortality in Mexico City, Health Effects Institute [Epidemiological longitudinal study of ozone level exposures and mortality in Mexico City.]
- 1994- **pres.** Senior statistician, Biostatistics & Computer Support Core, UNC Injury Prevention Research Center, CDC [Coordination of data management and statistical analyses for collaborative research activities of the center.]
- 1996-1997 Co-investigator, Group sequential boundaries for bivariate survival data in clinical trials: A proposed method [FONDECYT #1950850, Chile National Foundation for Science and Technology]
- 1996-2002 Co-investigator, Coordinating Center of Multicenter Trial of Functional Bowel Disorders, NIDDK [A 4-arm international clinical trial with psychotherapy and medication interventions in women]
- 1998-2003 Co-investigator, Energy Expenditure of Physical Activities in Youth (EEPAY), NINR.
- 1999-2000 Principal Investigator, Statistical Coordinating Centers for Multisite Studies, INCLEN [Workshop and direct advising of centers]
- 2001-2006 Co-investigator, Perinatal Health in Latin America, NIH [Multicenter clinical trial of perinatal practices in Uruguay and Argentina]
- 2002-2007 Co-investigator, North Carolina BEAUTY and Health Study, American Cancer Society [Group randomized trial of educational materials for healthy habits in African-American beauty salons]
- 2004-2009 Senior statistician, Biostatistics Core, Center for Functional Gastrointestinal and Motility Disease [Coordination of data management and statistical analyses for collaborative research activities of the center.]
- 2005-2012 Co-investigator, WAY to Health Study, National Heart Lung and Blood Institute, [Group randomized trial of weight loss interventions in staff of institutions of higher education]
- 2006-2011 Co-investigator, South Africa Post-test Support Study (SAHAPS) [RCT on counseling pregnant women to reduce partners risk for HIV]
- 2008-2013 Co-investigator, HCHS Study of Latinos, National Heart, Lung and Blood Institute [Prospective cohort of 4 Hispanic communities in the USA for cardiovascular risk factors and disease]
- 2008-2015 Senior statistician, UNC Sheps Center for Health Services Research [Coordination of statistical services for collaborative research activities of the center.]
- 2010-**pres.** Co-investigator, COPTR Research Coordination Center, National Institutes of Health [2 clinical trials on prevention of obesity in preschoolers and 2 clinical trials on treatment of overweight pre-teens]
- 2011-2014 **Principal Investigator**, Systematic bias from underreporting in meta analyses, European Union UNCOVER study
- 2011-**pres.** **Principal Investigator**, Statistical Coordination Center, Study of Latino Youth, National Heart, Lung and Blood Institute [Cross-sectional study of 1500 youth from four Hispanic communities in the USA]

SPECIAL APPOINTMENTS (bold items are current)

Short-term statistical advisor to the Pan American Health Organization (PAHO):

- 1983-1983: Evaluate developing country information systems on highway accident morbidity and mortality.
- 1985-1988: Develop study design and protocol, conduct statistical analyses and prepare scientific publications for a multi-country study of the incidence of childhood and adolescence injuries in Latin America.
- 1986-1986: Develop research design and protocol for a multi-country study of morbidity, impairment and medication consumption pattern in the elderly.
- 1987-1987: Review Latin American guidelines for medical examinations for driver licensing and medical care of traffic accident victims.
- 1988-1988: Assist the World Health Organization (WHO) meeting of Accident Prevention Collaborating Centers, Centers for Disease Control, Atlanta.
- 1990-1990: Develop position paper: "Injuries and poisonings in children and adolescents in Latin America: Current situation and perspectives."
- 1991-1991: Develop position paper: "The changing structure of injuries and violence in Latin America."
- 1988-1993: Review internal reports for the Studies of Health Care Needs of the Elderly of several countries in Latin America and the Caribbean.
- 1986-1996: Develop research design and protocol, conduct statistical analyses and prepare scientific publications for a multi-country study of the prevalence of senile dementia in Latin America.
- 1995-1995: Review injury surveillance system of the Ministry of Health, Chile

Occasional reviewer for scientific journals: *Archives of Pathology and Laboratory Medicine, Controlled Clinical Trials, Journal of Chronic Diseases, Preventive Medicine, Journal of Educational Statistics, American Journal of Public Health, Health Sciences Research, Bulletin of the Pan American*

Health Organization, Revista Médica de Chile, Revista Sociedad Chilena de Estadística, Revista Brasileira de Probabilidade e Estatística, Injury Prevention, Journal of Clinical Epidemiology, Wildlife Society Bulletin, Injury Control & Safety Promotion, Journal of Computational Statistics & Data Analysis, Society for Epidemiological Research Journal, Statistics in Medicine

Site visitor to University of Texas Health Sciences Center, NINCDS, NIH, 1982.

Member, special review committee on renal disease applications, National Institute of Diabetes, Digestive and Kidney Diseases (NIDDK), 1984.

Member, Steering Committee, Prevention and Care of Motor Vehicle Injuries in the Caribbean Workshop, Barbados, 1984.

Site visitor to the University of California Center for Health Sciences, NIDDK, NIH, 1984.

Site visitor to the University of Florida College of Medicine, NIDDK, NIH, 1984.

Advisor, Accident Control Section, Ministry of Health, Colombia, Bogotá, 1985.

Member, Steering Committee, Seminar-Workshop on the Prevention of Traffic Accidents in Colombia, Barranquilla, 1985.

Site visitor to the University of Texas Health Sciences Center at Dallas, NIDDK, NIH, 1985.

Chairman, American Statistical Association Judges Panel, 38th International Science & Engineering Fair, San Juan, PR, 1987.

Advisor, Department of Prevention and Control of Accidents, Division of Infectious Diseases and Accidents, Ministry of Health and Social Welfare of Venezuela, Caracas, 1987.

Member, Steering Committee, Seminar on the Prevention of Accidents in Children and Adolescents, VIII Latin American Pediatric Congress, Caracas, Venezuela, 1987.

Member, Steering Committee, Seminar-Workshop on the Prevention of Traffic Accidents in Uruguay, Montevideo, 1988.

Chairman and Organizer, invited paper session "Statistical Needs for Developing Countries" at the XIV International Biometric Conference, Namur, Belgium, 1988.

Site visitor to the Louisiana State University Eye Center, National Eye Institute, NIH, 1988.

Chairman, Data and Safety Monitoring Committee of the Herpetic Eye Disease Study, NEI, 1988-1998.

Member, Ad Hoc Review Committee, Glaucoma Prevention Trial, NEI, 1988.

Member, Planning Committee of the Head and Spinal Cord Injury Data Forum, UNC Injury Prevention Research Center, Research Triangle Park, NC, 1989.

Advisor, North Carolina Household Fire Study, Injury Prevention Research Center, UNC, Chapel Hill, 1989-1992.

Member, Steering Committee, 1st International Workshop on the Prevention of Traffic Accidents, Havana, Cuba, 1989.

Member, Steering Committee, Workshop on Chronic Diseases Health Services in Venezuela, Brazil and Costa Rica, Costa Rican Social Security Administration and Pan American Health Organization, San José, Costa Rica, 1989.

Advisor, Department of Forensic Medicine, Ministry of Justice of Costa Rica, San José, 1989.

Member, Review Committee, Investigator originated proposals for injury prevention and control, Centers for Disease Control and Prevention (CDC), 1991 and 1992.

Statistical Consultant, Editorial Board, Archives of Pathology and Laboratory Medicine, College of American Pathologists and American Medical Association, 1992-2005.

Member, International Data and Safety Monitoring Committee, Madurai Intra Ocular Lens Study, NEI and WHO, 1993-1996.

Member, Data and Safety Monitoring Board for Prevention Trials, Division of AIDS, National Institute of Allergy and Infectious Diseases (NIAID), 1994-1998.

Statistical Consultant, The Odyssey Project, Child Welfare League of America, Inc., 1994-1999.

Member, Review and reverse site visit committee of Injury Control Research Center grant applications, CDC, 1995.

Member, Injury Research Grant Review Committee, CDC, 1996-2000.

Statistical Consultant, Retrovirus Research Center, Universidad Central del Caribe, Bayamón, Puerto Rico, 1996 +.

Member, Technical Advisory Committee, NEI and the World Bank, Cataract Intervention Program, India, 1997.

Statistical reviewer, National Plan for Reduction of Traffic Accident Mortality (PLANREMAT), Ministry of Health, Dominican Republic, 1998 and 1999.

Member, Vaccine and Prevention Data and Safety Monitoring Board, Division of AIDS, NIAID, 1999-2005.

Member, AIDS VAX Data and Safety Monitoring Board, VaxGen, 1999-2003.

Member, Editorial Board, Injury Control & Safety Promotion, Consumer Safety Institute, The Netherlands, 2000-2008.

Chair, Vasectomy study Data and Safety Monitoring Board, Family Health International, 2000-2001.

Statistical Consultant, Editorial Board, Gastroenterology, American Gastroenterology Association, 2001-2003.

Member, Editorial Board, Revista Médica del Sur, Sociedad Médica del Cautín, Chile, 2002+.

Statistical advisor, Neonatal Health Research Initiative, USAID, Government Medical College, Nagpur, India, 2003-2006.

Statistical advisor, Transportation Research and Injury Prevention Programme (TRIPP), Indian Institute of Technology, Delhi, 2003+.

Member, Independent Safety Review Board, NeuroChem Pharmaceuticals, Canada, 2005-2010.

Senior Specialist, Fulbright Commission, 2005-2011. Grants:

- (1) Universidad Nacional de Tucumán, Argentina (June-July 2005)
- (2) University of South Africa (March-April 2006)
- (3) Karolinska Institutet, Sweden (Jan-Feb 2007) & (Oct-Nov 2009)

Chair, Multinational Data and Safety Monitoring Board, Division of AIDS, NIAID, NIH (member 2005-2009, chair 2010+)

Member, Data and Safety Monitoring Board, Multicenter trial of combined cognitive behavioral therapy and antidepressant treatment in functional bowel disorders, Canadian Institute for Health Research, 2005-2009.

Member, Asia Data and Safety Monitoring Board, NIAID, NIH, 2006-2011.

Member, Neonatal Research Network DSMB panel participant, NICHD & RTI, 2006-2011.

Member, Board of Scientific Counselors, National Center for Injury Prevention & Control, Centers for Disease Control & Prevention, Atlanta, GA, 2008 +

Member, NASG Data and Safety Monitoring Board, Bill & Melinda Gates Foundation, 2009-2012.

Editor in Chief, *International Journal for Injury Control & Safety Promotion*, Taylor & Francis Publishers, 2009 +

Member, US Food & Drug Administration, GI Drug Advisory Committee, 3/2009-3/2014.

Member, NIH Consensus Conference on Vaginal Birth After Cesarean, 2010.

Member, TREAT-PLAQ Data Monitoring and Evaluation Committee, Biocon, 2010-2012.

Member, FDA Gastrointestinal Drug Advisory Committee, 2013 +.

Co-chair, NHLBI Workshop on pooled analyses, Aug 2013.

Member, International Safe Communities Advisory Board, Oct 2014+

GRADUATE LEVEL COURSES TAUGHT AT UNC

- Principles of Statistical Consulting, 3 credits (BIOS 841, 9 terms – 2008-**2016**)
- Introduction to Clinical Trials, 3 credits (EPID 225/733/696, 12 terms – 2005-**2016**)
- Data management, 3 credits (BIOS 613, 2 terms – 2010-11)
- Introduction to Nonparametric Statistics, 3 credits (BIOS 256, 15 terms – 1983-2000)
- Public Health Statistics, 3 credits (BIOS 101, 3 terms - 1980-82)
- Principles of Statistical Inference, 3 credits (BIOS 105, 1 term)
- Specialized Topics in Biostatistics for INCLEN Fellows, 2-3 credits (BIOS 140, 3 terms, 1993-1995)
- Robert Wood Johnson Clinical Scholars Program, Introductory Biostatistics, School of Medicine (4 terms)

COMMITTEE RESPONSIBILITIES WITHIN UNC

BIOSTATISTICS DEPARTMENT

- Chair of BIOS Course Evaluations Committee (member 1980-1998, chair 1983-1987)
- Member of BIOS Graduate Studies Committee (1980-1998)
- Chair of BIOS Ad-Hoc Committee on Biostatistics Service Courses (1982-1983)
- Chair of BIOS Committee on Opportunities for the Underrepresented (member 1983-1997, chair 1984-1991)
- Member of BIOS Self-Study Committee (1998)
- Chair of BIOS Awards Committee (member 1998, chair 1999-2010)
- Member of BIOS Examinations Committee (2007-2009)
- **Member** of BIOS Faculty Mentoring Committee (2008-**present**)
- Member of NEW BIOS 842 Committee (2008-2010)
- Chair of BIOS Developmental Committee (2009-2012)
- **Chair** of BIOS Global Public Health Committee (2010-**present**)
- Chair of BIOS Ad-Hoc Search Committee for Clinical Professor (2012)

OUTSIDE BIOSTATISTICS DEPARTMENT

- Member of the School of Public Health International Health Committee, 1990-1993.
- Member, School of Nursing Center for Health Behavior in Vulnerable Youth Scientific Advisory Committee, 1992-2002.
- Member, Divisional Subcommittee of the School of Public Health, UNC Faculty Council Nominating Committee, 1996.
- Member, UNC Faculty Council, July 1996 - June 1999, July 2006-2009
- Member, Fulbright Candidates Evaluation Committee, UNC Curriculum in International Studies, 1997.
- **Member**, Core Faculty Committee, UNC Injury Prevention Research Center, 1999-**present**.
- Chair, School of Public Health Global Health Advisory Committee (member 1999-2003, chair 2003-2013).
- **Member**, School of Public Health Global Partnerships ad-hoc committee, 2013-**present**.

SHORT COURSES, WORKSHOPS, AND ACADEMIC LECTURES TAUGHT

1. *Nonparametric methods*. Invited lecture, School of Education, University of Puerto Rico, July 1984.
2. *The role of the statistician in the planning, conduct and analysis of clinical trials*. Invited lecture, Institute of Mathematics and Statistics, University of São Paulo, Brazil, Oct. 1988.

3. *Statistical methods for ophthalmology clinical trials*. A 3-day course on clinical research in ophthalmology, taught for the National Eye Institute at the 17th Pan American Congress of Ophthalmology, Rio de Janeiro, Brazil, Sept. 1989.
4. *Survival analysis and clinical trial methodology*. A full-semester course taught under a Fulbright Award, School of Statistics, University of Costa Rica, San José, Oct. 1989-Jan. 1990.
5. *Introduction to biostatistical methods*. A 4-lecture short course for residents in anesthesiology, John Hunter Hospital and Centre for Clinical Epidemiology and Biostatistics, Newcastle, NSW, Australia, June-July 1991.
6. *Survival analysis: Introduction and statistical methodology*. Invited lecture, Medical Sciences Campus, University of Puerto Rico, Oct. 1991.
7. *Health promotion and cardiovascular disease prevention*. An 11-day course on epidemiological and statistical methods for cardiologists, taught for the Pan American Health Organization, Barquisimeto, Venezuela, Oct. 1991.
8. *Applied statistics*. A 3-day workshop for the Clinical Epidemiology Unit and the Faculty of Medicine, Universidad de La Frontera, Temuco, Chile, June 1992.
9. *Biostatistical aspects of planning, conduct and analysis of collaborative studies in the health field*. A 1-day workshop for the Institute of Mathematics and Statistics, University of São Paulo, and the Escola Paulista de Medicina, São Paulo, Brazil, June 1992.
10. *Biostatistical aspects of clinical trials: Planning, conduct and analysis*. A 3-day course conducted at the First National Congress on Statistics, San José, Costa Rica, Mar. 1993.
11. *Administration of injury prevention programs*. A 2-day workshop for the Pan American Health Organization at the Second World Conference on Injury Control, Atlanta, GA, May 1993.
12. *Clinical research in ophthalmology*. A 2-day course for the National Eye Institute at the 19th Pan American Congress of Ophthalmology, Caracas, Venezuela, July 1993.
13. *Biostatistical aspects of clinical trials: Planning, conduct, and analysis*. A 2-day short course for the Clinical Epidemiology Research and Training Center fellows, Faculty of Medicine, Universidad de La Frontera, Temuco, Chile, May 1994.
14. *Information systems for traffic injury*. A panel/workshop at the 13th World Congress of the International Association for Accident and Traffic Medicine, São Paulo, Brazil, May 1994.
15. *Assessment of reliability and validity: Statistical concerns*. A 3-day series of consultation/lectures for the Aravind Eye Hospital, sponsored by the National Eye Institute, Madurai, India, Feb. 1995.
16. *Family violence*. A 3-day workshop for the development of a research proposal for the study of intra-familial violence in India, sponsored by the Indian regional International Clinical Epidemiology Network (IndiaCLEN), Lucknow, India, Feb. 1995.
17. *Interim analysis in randomized clinical trials*. A 3-hour workshop for the Latin American regional International Clinical Epidemiology Network (LatinCLEN), Santa Marta, Colombia, May 1995.
18. *Clinical research in ophthalmology*. A 4-day course for the National Eye Institute at the 20th Pan American Congress of Ophthalmology, Quito, Ecuador, June 1995.
19. *Clinical trials: Design, conduct and statistical analysis*. A 3-lecture series in the core curriculum in clinical epidemiology, Clinical Epidemiology Unit, Faculty of Medicine, Universidad de La Frontera, Temuco, Chile, Fall 1995.
20. *Clinical research in ophthalmology*. A 1-day course for the 28th Brazilian Congress of Ophthalmology, Salvador, Bahia, Brazil, Sept. 1995.
21. *Principles of clinical research in ophthalmology*. A 2-day course for ophthalmology residents, Pontificia Universidad Católica de Chile, Santiago, Nov. 1995.
22. *Biostatistics and clinical trials*. A 2-day seminar at the Institute of Statistics, Universidad Católica de Valparaíso, Chile, Nov. 1995.
23. *Advanced methods in epidemiological studies*. A 5-day course at the Faculty of Medicine, Universidad de La Frontera, Temuco, Chile, Nov. 1995 - Dec. 1995.
24. *Clinical trials: Design, conduct and statistical analysis*. A 3-day workshop/course for the Magallanes Health Service, Ministry of Health of Chile, Punta Arenas, Chile, Dec. 1995.
25. *Analysis of repeated measurements*. A 1-day workshop at the 13th meeting of the International Clinical Epidemiology Network, Victoria Falls, Zimbabwe, Jan. 1996.
26. *Clinical epidemiology and biostatistics*. A 2-week summer institute, Pontificia Universidad Javeriana, Bogotá, Colombia, July 1996.
27. *Clinical trials and tribulations: Analytic consequences of practical problems in the design and conduct of clinical trials*. A 2-day workshop at the II Latin American Regional Meeting of the International Clinical Epidemiology Network, Huatulco, Mexico, Sept 1996.
28. *Clinical trials: Their design, conduct and interpretation*. A 2-day short course for the American Academy of Ophthalmology and the National Eye Institute, Chicago, Oct 1996.
29. *Statistical considerations in the design, conduct, and analysis of clinical trials*. A 3-day seminar at the III Latin American Congress of Statistical Societies, Santiago, Chile, Oct 1996.
30. *Survival analysis*. A 2-day short course at the II National Statistics Congress, San José, Costa Rica, Mar 1997.
31. *Classification techniques*. A 2-day continuing education course at the III Latin American Regional Meeting of the International Clinical Epidemiology Network, Punta Cana, Dominican Republic, Sept 1997.
32. *Clinical trials: Their design, conduct and interpretation*. A 2-day short course for the American Academy of Ophthalmology and the National Eye Institute, San Francisco, Oct 1997.
33. *Interim analysis in randomized clinical trials*. A 3-day workshop for the India regional International Clinical Epidemiology Network (IndiaCLEN), Vellore, India, April 1998.

34. *Injury epidemiology and injury control*. A 3-day short course in conjunction with the 4th World Conference on Injury Prevention and Control, Erasmus Universiteit Rotterdam, The Netherlands, May 1998.
35. *Workshop on clinical trials: Evaluation of medications and vaccinations for tropical diseases*, A 5-day workshop at Centro de Investigación de Enfermedades Infecciosas (CIDEIM), Cali, Colombia, July 1998.
36. *Evaluation of diagnostic tests and screening*. A 3-day workshop for the India regional International Clinical Epidemiology Network (IndiaCLEN), Trivandrum, India, August 1998.
37. *Analysis of clinical trial data*. A 5-day short course in the 1st International Summer School, Faculty of Medicine, Universidad de Chile, Santiago, Jan 1999.
38. *Injury epidemiology and injury control*. A 3-day short course at Erasmus Universiteit Rotterdam, The Netherlands, Apr 1999.
39. *Methods in research of human behavior*, A 2-day short course at the 1^{ras} Jornadas Australes Interdisciplinarias sobre Mujer y Desarrollo, Valdivia, Chile, May 1999
40. *Nonparametric statistics*, A 3-day series of lectures at the Mathematical Sciences Department, Universidad de La Frontera, Temuco, Chile, July 1999.
41. *Statistical perspectives in epidemiological studies*, A 2-day short course at 4^{to} Latin American Congress of Statistical Societies (CLATSE), Mendoza, Argentina, July 1999.
42. *Epidemiological basis for the study of accidents and the development of prevention programs*, A 1-day short course at Health Ministry of the Province of Buenos Aires, La Plata, Argentina, Aug 1999.
43. *Design and analysis of clinical trials*. A 5-day short course in the 2nd International Summer School, Faculty of Medicine, Universidad de Chile, Santiago, Jan 2000.
44. *International course on injury control and safety promotion*. A 3-days short course at the 5th World Conference on Injury Prevention and Control, New Delhi, India, Mar 2000.
45. *Statistical data management and coordination of multicenter studies*. A 5-day workshop at the Biostatistics Research and Training Center, Christian Medical College, Vellore, India, Mar 2000.
46. *Injury epidemiology and injury control*. A 3-day short course at Erasmus Universiteit Rotterdam, The Netherlands, Apr 2000.
47. *Introduction to the theory and methodology of nonparametric analysis*. A 2-week course at the Faculty of Economic Sciences, Universidad Nacional de Tucumán, Argentina, June 2000.
48. *Statistical modeling in epidemiological research*. A 2-week workshop at Center for Evidence Based Training, Research, and Services for Health (CIGES), Universidad de La Frontera, Temuco, Chile, July 2000.
49. *Multi-center studies*. A 1-day Continuing Education workshop, International Clinical Epidemiology Network Global Meeting XVII, Bangkok, Thailand, Oct 2000.
50. *Design and analysis of clinical trials*. A 5-day short course in the 3rd International Summer School, Faculty of Medicine, Universidad de Chile, Santiago, Jan 2001.
51. *Collaborative Research Coordination Network (CRCN) Organizational Development Workshop*. A 5-day workshop sponsored by Consortium of Thai Medical Schools, Khon Kaen University, Khon Kaen, Thailand, Feb 2001.
52. *The Management of Multicenter Collaborative Studies*. A 3-day workshop sponsored by the Thai Clinical Epidemiology Research and Training Center, Khon Kaen University, Khon Kaen, Thailand, Feb 2001.
53. *Analysis of Data in Randomized Clinical Trials*. A 1-day workshop in the 32nd Regional Meeting of the Brazilian Statistical Association, Salvador, Bahía, Brazil, June 2001.
54. *Planning, conduct, and analysis of multicenter studies*. A 3-day workshop at the Regional Meetings of the Brazilian Psychiatry Association, Sao Paulo, Brazil, June 2001.
55. *Introduction to Concepts of Statistics*. A special 2-hour classroom session on “Statistics for Children,” presented at the International Statistical Institute meetings, Seoul, Korea, August 2001.
56. *Design of Experiments*. A 2-week course at the Faculty of Economic Sciences, Universidad Nacional de Tucumán, Argentina, November 2001.
57. *Introduction to nonparametric methods*. A 1-day workshop at the Clinical Epidemiology Unit, Government Medical College, Nagpur, India, December 2001.
58. *Design and analysis of clinical trials*. A 5-day short course in the 4th International Summer School, Faculty of Medicine, Universidad de Chile, Santiago, Jan 2002.
59. *Data and Safety Monitoring Committees*. A 1-day Continuing Education workshop, International Clinical Epidemiology Network Global Meeting XVIII, Sharm El-Sheikh, Egypt, Feb 2002.
60. *Sampling considerations for multilevel study designs*. A 3-day Continuing Education workshop, III National Congress of Statistics, San José, Costa Rica, Mar 2002.
61. *Injury epidemiology and injury control*. A 3-day short course at Erasmus Universiteit Rotterdam, The Netherlands, Mar 2002.
62. *Statistical modeling in epidemiologic research*. A 2-week short course at the Universidad Nacional Autónoma de México, April-May 2002.
63. *Advanced Nordic-Baltic course on injury control and safety promotion*. A 5-day course sponsored by the Nordic Council, Toila, Estonia, Aug 2002.
64. *Categorical Data Analysis*. A 1-day workshop at the Annual Conference of the Indian Clinical Epidemiology Network, Trivandrum, India, Sep 2002.

65. *Criteria for early termination of a clinical trial – the Data Safety Monitoring Committee*. A 1-day workshop at the 5th Latin American Congress of Statistical Societies (CLATSE), Buenos Aires, Argentina, Oct-Nov 2002.
66. *Design and analysis of clinical trials*. A 5-day short course in the 5th International Summer School, Faculty of Medicine, Universidad de Chile, Santiago, Jan 2003.
67. *Quality assurance in multicenter research studies*. A 2-day workshop at the 19th Global Meeting of the International Clinical Epidemiology Network, Kunming, China, Feb 2003.
68. *Data and Safety Monitoring Boards*. A 2 day short course for China Integrated Program for Research on AIDS (CIPRA), Beijing, China, Feb 2003.
69. *Multilevel analysis*. A 3-day workshop at Christian Medical College, Vellore, India, Mar 2003.
70. *Injury epidemiology and injury control*. A 3-day short course at Erasmus Universiteit Rotterdam, The Netherlands, Apr 2003.
71. *Methodology of scientific research*. A 5-day short course at the Faculty of Medicine, Universidad de Valparaiso, Chile, May 2003 and October 2003.
72. *Design & analysis of clinical trials*. A 1-day short course at the International Biometric Society, Caribbean and Central American Region 2nd conference, Mayaguez, PR, June 2003
73. *Quality assurance in multicenter studies*. A 2-day workshop for the Clinical Research Collaboration Network (CRCN), Bangkok, Thailand, Dec 2003.
74. *Analysis of longitudinal data*, A 3-day workshop at the Department of Biostatistics, Khon Kaen University, Thailand, Dec 2003.
75. *Generalized estimating equations*. A 3-day workshop at the Department of Biostatistics, Christian Medical College, Vellore, India, Dec 2003.
76. *International course on transportation planning and safety*. A 7-day course sponsored by the Transport Research and Injury Prevention Program (TRIPP) of the Indian Institute of Technology, New Delhi, India, Dec 2003.
77. *Design and analysis of clinical trials*. A 5-day short course in the 6th International Summer School, Faculty of Medicine, Universidad de Chile, Santiago, Jan 2004.
78. *Governance aspects of project management in multi-center collaborative research*. A 1-day workshop for the Learning and Management Program (LAMP), at the 20th Global Meeting of the International Clinical Epidemiology Network (INCLIN), Agra, India, Feb 2004.
79. *Sample size and modeling alternatives for longitudinal data*. A 1-day workshop for the College of Economic Sciences Professionals of Costa Rica, San José, Mar 2004.
80. *Methodology of scientific research*. A 5-day short course for the Faculty of Medicine, Universidad de Valparaiso, Chile, August 2004.
81. *Statistical issues in collaborative community-based trials*. A 2-day pre-conference workshop, 15th India Clinical Epidemiology Network (IndiaCLEN) Conference, Nagpur, Sept 2004.
82. *Longitudinal Data Analysis*. A 1-day workshop at Hanyang University, Seoul, South Korea, Dec 2004.
83. *International course on transportation planning and road safety*. A 7-day course sponsored by the Transport Research and Injury Prevention Program (TRIPP) of the Indian Institute of Technology, New Delhi, India, Dec 2004.
84. *Design and analysis of clinical trials*. A 5-day short course in the 7th International Summer School, Faculty of Medicine, Universidad de Chile, Santiago, Jan 2005.
85. *Current Advances in Epidemiological Research*. A 5-day seminar series at Universidad de La Frontera, Temuco, Chile, Jan 2005.
86. *Discriminant and classification analysis*. A 3-day workshop at the Department of Biostatistics, Christian Medical College, Vellore, India, May 2005.
87. *Governance of multicenter studies*. A 1-day workshop for the Leadership and Management Program, Latin American Clinical epidemiology Network, Pontificia Universidad Javeriana, Bogotá, Colombia, June 2005.
88. *Design and analysis of samples from surveys*. A 2-week course at the Faculty of Economic Sciences, Universidad Nacional de Tucumán, Argentina, June-July 2005.
89. *How to create a critical citizenship? – Teach them statistical concepts*. A 2-day short course at the 19th Latin American Meeting of Educational Mathematics (RELME), Montevideo, Uruguay, July 2005.
90. *Analysis of multilevel data*. A 2-week course at the Faculty of Economic Sciences, Universidad Nacional de Tucumán, Argentina, July-August 2005.
91. *How to write, evaluate and read health research manuscripts*. A 3-day workshop at the Faculty of Medicine, Universidad de Valparaiso, Chile, Oct 2005.
92. *Integrated statistical analysis: description and data analytic strategies based on the research question*. A 2-day workshop, 13th Statistics Week conference, Valparaiso, Chile, Oct 2005.
93. *International course on transportation planning and road safety*. A 7-day course sponsored by the Transport Research and Injury Prevention Program (TRIPP) of the Indian Institute of Technology, New Delhi, India, Dec 2005.
94. *Design and analysis of clinical trials*. A 5-day short course in the 8th International Summer School, Faculty of Medicine, Universidad de Chile, Santiago, Jan 2006.
95. *Applications of survival analysis in biostatistics*. A 1-week series of invited lectures in a semester course at the Universidad de Costa Rica, San José, Feb 2006.
96. *Evaluation of community-based injury prevention programs*. A 2-day workshop at the 8th World Congress on Injury Control & Safety Promotion, Durban, South Africa, Mar-Apr 2006.

97. *Longitudinal data analysis*. A 2-day workshop for the Collaborative Research Clinical Network (CRCN), Thai Consortium of Medical Schools, Kasetsart University, Bangkok, May 2006.
98. *Methodology in Scientific Research*. Co-instructor in a 6-day workshop at the Faculty of Medicine, Universidad de Valparaiso, Chile, Jul-Aug 2006.
99. *Design, conduct, analysis and dissemination of clinical trials*. A 3-day short course at the School of Public Health, Faculty of Medicine, Universidad de Chile, Santiago, Aug 2006.
100. *Analyzing and presenting statistical data in health research*. A 2-day pre-conference workshop for the National Statistics Forum of the Mexican Statistical Association, Acapulco, Mexico, Oct 2006.
101. *Analysis of multilevel data*. A 3-day short course for the doctoral program in Epidemiology & Biostatistics, Universidad de Antioquia, Medellín, Colombia, Oct 2006.
102. *Analysis of multilevel data*. A 2-day short course for the master's program at Universidad del Valle, Cali, Colombia, Oct 2006.
103. *A roadmap and full details of how to develop, prepare, and implement a clinical trial successfully: A proposal development workshop*. A 1-day workshop, Clinical Research Collaboration Network, Bangkok, Thailand, Dec 2006.
104. *International course on transportation planning and road safety*. A 7-day course sponsored by the Transport Research and Injury Prevention Program (TRIPP) of the Indian Institute of Technology, New Delhi, India, Dec 2006.
105. *Methodology for the study of accidents and injuries*. A 5-day short course at the 9th International Summer School, Faculty of Medicine, Universidad de Chile, Santiago, Jan 2007.
106. *International course on Injury Prevention and Safety Promotion*. A 5-week doctoral course, Division of Social Medicine, Department of Public Health Sciences, Karolinska Institutet, Stockholm, Sweden, Jan-Feb 2007.
107. *Design, conduct, and analysis of clinical trials*. An online modular course taught for the 'Virtual classroom' of the Universidad de La Frontera, Temuco, Chile, May-June 2007.
108. *Evaluation of community-level randomized health interventions*. A 1-day short course at the X Latin Clinical Epidemiology Network conference, Iberoamerican Cochrane Centre, Barcelona, Spain, June 2007.
109. *Risk evaluation in clinical epidemiology*. A 2-day short course at the National Statistics Symposium, Cali, Colombia, August 2007
110. *Statistical methods in epidemiological research: Survival analysis and clinical trials*. A 2-day short course at the School of Medicine, Universidad Peruana Cayetano Heredia, Lima, Peru, Oct 2007
111. *Analysis of multilevel data*. A 2-week regular credit doctoral level course at the School of Public Health, Universidad de Chile, Santiago, Oct 2007
112. *Design of experiments*. A 2-week regular credit masters level course at the Faculty of Economic Sciences, Universidad Nacional de Tucumán, Argentina, Oct-Nov 2007
113. *Meta analysis and multilevel models*. A 3-day doctoral level seminar series at the Faculty of Economic Sciences, Universidad Nacional de Tucumán, Argentina, Oct-Nov 2007
114. *International course on transportation planning and road safety*. A 7-day course sponsored by the Transport Research and Injury Prevention Program (TRIPP) of the Indian Institute of Technology, New Delhi, India, Dec 2007
115. *Design, conduct, analysis and dissemination of clinical trials*. A 5-day short course at the 10th International Summer School, Faculty of Medicine, Universidad de Chile, Santiago, Jan 2008.
116. *International course on Injury Prevention and Safety Promotion*. A 5-week doctoral course, Division of Social Medicine, Department of Public Health Sciences, Karolinska Institutet, Stockholm, Sweden, Jan-Feb 2008.
117. *Methodological considerations in conducting injury research*. A 1-day workshop post-conference of the 9th World Conference on Injury Prevention and Safety Promotion, Merida, Mexico, Mar 2008.
118. *Clinical Trials: Design, conduct, analysis and dissemination*. A 5-day workshop at the Biostatistics Research and Training Center, Christian Medical College, Vellore, India, July 2008.
119. *Methodological considerations for homicide and injury prevention research*. A 1-week short course, University of South Africa, Cape Town, Aug 2008.
120. *Analysis of multilevel data*. A 2-week regular credit doctoral level course at the School of Public Health, Universidad de Chile, Santiago, Sep 2008.
121. *Introduction to statistics for biological sciences*. A 4-day short course at the Faculty of Medicine, Universidad de Valparaiso, Chile, Sep 2008.
122. *Research designs in epidemiology*. A 2-session short course at the annual conference of the Grupo Argentino de Biometría (GAB), Tucuman, Argentina, Sep 2008.
123. *Methods for injury and violence prevention research*. A 3-day workshop at the Instituto Nacional de Epidemiología, Mar del Plata, Argentina, Sep 2008.
124. *Clinical Trials*. A 1-week short course and seminar at the College of Medicine, University of Malawi, Blantyre, Oct 2008.
125. *International course on Injury Prevention and Safety Promotion*. A 5-week doctoral course, Division of Social Medicine, Department of Public Health Sciences, Karolinska Institutet, Stockholm, Sweden, Oct-Nov 2008.
126. *International course on transportation planning and road safety*. A 7-day course sponsored by the Transport Research and Injury Prevention Program (TRIPP) of the Indian Institute of Technology, New Delhi, India, Dec 2008
127. *Analytical approaches and methods for injury prevention*. 4-day workshop at Universidad Javeriana, Bogotá, Colombia. (Organized by Universidad Javeriana, Universidad del Valle, University of Texas and University of Pittsburgh with support from NIH's Fogarty International Center), Jan 2009.

128. *Implementation and conduct of clinical trials*. A 5-day short course at the 11th International Summer School, Faculty of Medicine, Universidad de Chile, Santiago, Jan 2009.
129. *Principles of statistical consulting*. A 2-week course at the Indian Institute of Public Health, Hyderabad, India, Apr-May 2009.
130. *Advanced statistical methods for research in epidemiology and medicine*. A 4-day course at Universidad de Antioquia, Medellín, Colombia, May 2009.
131. *Clinical Trials*. A 5-day course at Christian Medical College, Vellore, India, July 2009.
132. *Analysis strategies for evaluation of Safe Communities*. 1-day workshop during the 18th International Safe Communities Conference, Cali, Colombia, Aug 2009.
133. *Introduction to basic concepts and statistical methods for clinical applications*. A 4-day course at Universidad de Valparaíso, Valparaíso, Chile, Aug 2009.
134. *Multivariate Data Analysis*. A 4-day course at Universidad de Valparaíso, Valparaíso, Chile, Aug 2009.
135. *Introduction to basic concepts and statistical methods for basic sciences and biology applications*. A 4-day course at Universidad de Valparaíso, Valparaíso, Chile, Sept 2009.
136. *Analysis of multilevel data*. A 9-day course at Universidad de Chile, Santiago, Chile, Sept 2009.
137. *42nd International Teaching Seminar on Cardiovascular Disease Epidemiology and Prevention*. A 10-day multi-faculty course, Hyderabad, India, Sept-Oct 2009.
138. *Research in Injury Prevention and Safety Promotion: Designs, Methods & Analysis*. A 5-week multi-faculty doctoral course at Karolinska Institutet, Stockholm, Sweden, Oct-Nov 2009.
139. *International course on transportation planning and road safety*. A 7-day multi-faculty course, Transport Research and Injury Prevention Program (TRIPP) of the Indian Institute of Technology, Delhi, India, Dec 2009
140. *On being a statistical consultant*, a 5-day course at Indian Institute of Public Health, Hyderabad, India, Dec 2009.
141. *Implementation and conduct of clinical trials*. A 5-day short course at the 12th International Summer School, Faculty of Medicine, Universidad de Chile, Santiago, Jan 2010.
142. *Statistical consulting*. A 1-day short course at Glaxo-Smith-Kline, Research Triangle Park, NC, Jan 2010.
143. *Evaluation and Financial Issues for Safe Community Programs*. A 1-day short course at the 19th International Safe Communities Conference, Suwon, South Korea, Mar 2010.
144. *Injury epidemiology and cost-effectiveness of injury prevention*. A 1-day seminar at Harstad University College, Norway, April 2010.
145. *Clinical Trials: Design, Analysis, Interpretation & Reporting*. A 5-day short course in the Biostatistics Summer Program, Christian Medical College, Vellore, India, July 2010.
146. *Design & Analysis of Clinical Trials*. A 5-day short course in the 21st International Summer School of Epidemiology, Ulm University, Ulm, Germany, July 2010.
147. *Workshop on Mixed Models*. A 4-day seminar and workshop at the Faculty of Economic Sciences, Universidad Nacional de Tucumán, Argentina, Sept 2010.
148. *Safety, Peace and Health Promotion*. A 5-day workshop for the Institute for Social & Health Sciences, University of South Africa, Johannesburg, South Africa, Oct 2010.
149. *Estudios clínicos*. A 5-day short course at the Facultad de Ciencias de la Salud, Universidad de Tarapacá, Arica, Chile, Oct 2010.
150. *Analysis of Multilevel Data*, a 3-week course at the School of Public Health, Universidad de Chile, Santiago, Oct-Nov 2010.
151. *Metodología de la Investigación*, A 4-day short course at Congreso Científico Internacional FELSOCHEM, Valparaíso, Chile, Oct 2010.
152. *International course on transportation planning and road safety*. A 7-day multi-faculty course, Transport Research and Injury Prevention Program (TRIPP) of the Indian Institute of Technology, Delhi, India, Dec 2010.
153. *Implementation and conduct of clinical trials*. A 5-day short course at the 13th International Summer School, Faculty of Medicine, Universidad de Chile, Santiago, Jan 2011.
154. *Application of multilevel models – longitudinal studies and meta regression*. A 5-day short course for the Doctorate in Epidemiology program, Universidad de Antioquia, Medellín, Colombia, Mar 2011.
155. *Fundamentals of statistical consultation*, a 5-day course at Indian Institute of Public Health, Hyderabad, India, May 2011.
156. *Design & analysis of clinical trials*, a 5-day course at Dept. of Biostatistics, Christian Medical College, Vellore, India, Aug 2011.
157. *Injuries and surveillance systems*, a 2-day workshop at Hospital del Carmen, Universidad Nacional de Jujuy, Argentina, Oct 2011
158. *The consulting statistician as an educator*, a 2-day workshop at the Grupo Argentino de Biometría (GAB) Conference, Universidad Nacional de Salta, Argentina, Oct 2011.
159. *The consulting statistician, an ethical professional*, a 2-day seminar series, Universidad Nacional de Córdoba, Argentina, Oct 2011.
160. *Analysis of multilevel data*, a 3-week course at the School of Public Health, Universidad de Chile, Santiago, Oct-Nov 2011.
161. *Statistical applications and quantitative design for injury prevention research*, a 5-day workshop at the Eduardo Mondlane University, Maputo, Mozambique, Nov 2011.
162. *International course on transportation planning and road safety*. A 7-day multi-faculty course, Transport Research and Injury Prevention Program (TRIPP) of the Indian Institute of Technology, Delhi, India, Dec 2011.
163. *Implementation and conduct of clinical trials*. A 5-day short course at the 14th International Summer School, Faculty of Medicine, Universidad de Chile, Santiago, Jan 2012.
164. *Design and analysis of pragmatic clinical trials*, a 2-day short course at the Universidad Peruana Cayetano Heredia, Lima, Peru, May 2012.

165. *Multilevel and meta regression*, a 3-day short course (co-instructed with Sergio Muñoz) at the Iberoamerican Cochrane Collaboration Conference, Lima, Peru, May 2012.
166. *Clinical trial design and statistical methods*, a 5-day course at Dept. of Biostatistics, Christian Medical College, Vellore, India, July 2012.
167. *Design & analysis of clinical trials*, a 5-day course at Dept. of Biostatistics, Christian Medical College, Vellore, India, Aug 2012.
168. *Evaluation of Safe Community efforts in Japan*, a 1-day workshop at Japan Institute for Safe Communities, Osaka, Sept 2012.
169. *Methodological considerations for injury prevention and safety promotion research*, a 1-day pre-conference workshop, Safety 2012 World Conference, Wellington, New Zealand, Sept 2012.
170. *Analysis of multilevel data*, a 5-week course at the School of Public Health, Universidad de Chile, Santiago, Oct-Nov 2012.
171. *Analysis of longitudinal data*. A 3-day short course for the Doctorate in Epidemiology program, Universidad de Antioquia, Medellin, Colombia, Oct 2012.
172. *International course on transportation planning and road safety*, lecturer in a 7-day multi-faculty course, Transport Research and Injury Prevention Program (TRIPP) of the Indian Institute of Technology, Delhi, India, Dec 2012.
173. *Statistical methods for traffic safety: Beyond simple descriptives*, a 1-day research methods workshop for the Doctorate in Engineering, Transport Research and Injury Prevention Program (TRIPP), Indian Institute of Technology, Delhi, India, Dec 2012.
174. *Design and analysis of cluster randomized trials*, lecturer in a 4-day workshop at Indian Institute of Public Health, Gurgaon, India, Dec 2012.
175. *Design and analysis of clinical trials*. A 5-day short course at the 15th International Summer School, Faculty of Medicine, Universidad de Chile, Santiago, Jan 2013.
176. *Design and analysis of community intervention studies*. A 2-day short course at the Satellite Summer School of the 15th International Summer School of the Universidad de Chile, held at Universidad de La Frontera, Temuco, Chile, Jan 2013.
177. *Análisis de datos longitudinales*. A 2-day short course for the Puerto Rico Clinical & Translational Research Consortium (PRCTRC), held at Universidad Central del Caribe, Bayamon, PR, May 2013.
178. *Basic statistical issues in ophthalmic research*. A 1-day course at the Aravind Eye Care Center, Madurai, India, June 2013.
179. *Clinical trial design and statistical methods*, a 5-day course at Biostatistics Resource & Training Center, Christian Medical College, Vellore, India, June 2013.
180. *Introduction to the design and analysis of clinical trials*, a 5-day course at 24th International Summer School, Ulm University, Germany, July 2013.
181. *Clinical Data Management*, a 5-day course at Biostatistics Resource & Training Center, Christian Medical College, Vellore, India, September 2013.
182. *Diseño y análisis de estudios multinivel*, a 2-month course at the School of Public Health, Universidad de Chile, Santiago, Sep-Nov 2013.
183. 'How to know if our Safe Community efforts are working: Evaluating our impacts,' a 1-day workshop with Andres Villaveces, at 21st International Safe Communities Conference, Merida, Mexico, Oct 2013.
184. *Research designs for clinical investigations*, a 5-day short course for the staff of DIGEMID, Ministry of Health, Lima, Peru, Oct 2013
185. *International course on transportation planning and road safety*, lecturer in a 7-day multi-faculty course, Transportation Research and Injury Prevention Program (TRIPP) of the Indian Institute of Technology, Delhi, India, Dec 2013.
186. *Statistical methods for traffic safety: Beyond simple descriptives*, a 1-day research methods workshop for the Doctorate in Engineering, Transport Research and Injury Prevention Program (TRIPP), Indian Institute of Technology, Delhi, India, Dec 2013.
187. *Design and analysis of clinical trials*. A 5-day short course at the 16th International Summer School, Faculty of Medicine, Universidad de Chile, Santiago, Jan 2014.
188. *Design and analysis of quasi-experimental studies*. A 4-day short course at the Satellite Summer School of the 16th International Summer School of the Universidad de Chile, held at Universidad de La Frontera, Temuco, Chile, Jan 2014.
189. *Analysis of longitudinal data*. A 2 ½ day pre-conference workshop for the 2nd Latin American Conference on Epidemiology, Medellin, Colombia, March 2014.
190. *Understanding relationships in violence prevention research*. A 3-day seminar at the University of South Africa, Florida Campus, Johannesburg, South Africa, Aug 2014.
191. *Establishing risk factors with correlated data*. A 3-day seminar at the Faculty of Medicine, Eduardo Mondlane University, Maputo, Mozambique, Aug 2014.
192. *Introduction and advanced methods for clinical trials*, A 5-day course at the Department of Biostatistics, Christian Medical College, Vellore, India, Sept 2014.
193. *International course on transportation planning and road safety*, lecturer in a 7-day multi-faculty course, Transportation Research and Injury Prevention Program (TRIPP) of the Indian Institute of Technology, Delhi, India, Dec 2014.
194. *Statistical Research Methods*, 1-day workshop at the Indian Institute of Technology TRIPP, New Delhi, India, Dec 2014.
195. *Advanced clinical trials statistics*, A 3-day course at the Department of Biostatistics, Christian Medical College, Vellore, India, Dec 2014.
196. *Design and analysis of clinical trials*. A 5-day short course at the 17th International Summer School, Faculty of Medicine, Universidad de Chile, Santiago, Jan 2015.
197. *Controlled Experiments in Public Health*. A 4-day short course at the 4th International Summer School of the Universidad de La Frontera, Temuco, Chile, Jan 2015.

198. *Adaptive and Pragmatic Clinical Trials*. A 3-day short course at the 1st Encounter of Statistics in Health, Universidad del Valle, Cali, Colombia, Mar 2015.
199. *Structural equation models for multilevel data*. A 4-day short course at Universidad de Antioquia, Medellin, Colombia, April 2015.
200. *Advanced Trauma Research*. A 4-day short course, Hamad Medical Corporation, Doha, Qatar, April 2015.
201. *Introduction to linear regression models for continuous data*, 3-day seminar, Diploma in Statistical Modeling, Universidad Peruana Cayetano Heredia, Lima, Peru, May 2015.
202. *47th International Teaching Seminar on Cardiovascular Disease Epidemiology and Prevention*. A 10-day multi-faculty course, Nadi, Fiji, June 2015.
203. *Statistics Course for Safety Intervention Research*. A 3-day short course, Violence, Injury & Peace Research Unit, University of South Africa, Cape Town, July 2015.
204. *Analysis of multilevel data*. A 5-day course, International Summer School, Ulm University, Germany, July 2015.
205. *Basic concepts of statistics, principles of statistical inference and establishing relationships*. A 2-day seminar, Department of Psychology, University of South Africa, Pretoria, Aug-Sept 2015.
206. *Why should I use statistics in my research?* A 1-day seminar, University of South Africa, Pretoria, Sept 2015.
207. *Analysis of multilevel data*. A 2-day seminar, University of South Africa, Johannesburg, Sept 2015.
208. *Análisis de datos correlacionados*. A 4-day short course, Universidad Nacional de Tucumán, Argentina, Oct 2015.
209. *Datos multinivel – diseño de estudios y métodos de análisis*. A 5-week course at Escuela de Salud Pública, Universidad de Chile, Santiago, Oct-Nov 2015.
210. *International course on transportation planning and road safety*, lecturer in a 4-day multi-faculty course, Transportation Research and Injury Prevention Program (TRIPP) of the Indian Institute of Technology, Delhi, India, Dec 2015.
211. *Design, Analyses, Interpretation and Reporting of Phase III Randomized Clinical Trials*. A 5-day course at the Department of Biostatistics, Christian Medical College, Vellore, India, Dec 2015.
212. *Clinical Trials*. A 2-day course at the Sultan Qaboos University Hospital, Muscat, Oman, Dec 2015.
213. *Diseño y Conducción de Estudios en Comunidades*. A 4-day course at the Universidad de La Frontera, Temuco, Chile, Jan 2016.
214. *Análisis de datos multinivel*. A 4-day course at the Universidad Peruana Cayetano Heredia, Lima, Perú, Jan 2016.
215. *Introducción al análisis de datos multinivel*. A 3-day course at the Universidad Peruana Cayetano Heredia, Lima, Perú, Jan 2016.
216. *48th International Teaching Seminar on Cardiovascular Disease Epidemiology and Prevention*. A 10-day multi-faculty course, St. Georges University, Grenada, June 2016.
217. *Basic principles of statistical methodology for research*. A 3-day seminar at the Faculty of Medicine, Eduardo Mondlane University, Maputo, Mozambique, Aug 2016.

PUBLICATIONS

IN REFEREED JOURNALS

- 1) **Bangdiwala SI**. A sequential likelihood ratio test for general hypotheses. *Sequential Analysis* 1, 1982, 57-80.
- 2) **Bangdiwala SI**. A progressively censored sequential likelihood ratio test for general parametric functions. *Sequential Analysis* 2, 1983, 1-25.
- 3) **Bangdiwala SI**, Anzola-Perez E, Glizer M. Statistical considerations for the interpretation of commonly utilized road traffic accident indicators: Implications for developing countries. *Journal of Accident Analysis and Prevention* 17, 1985, 419-427.
- 4) **Bangdiwala SI**, Anzola-Perez E. Traffic accidents as a serious health problem in selected developing countries of the Americas. *Bulletin of the Pan American Health Organization* 21, 1987, 38-47. (Also in Spanish in *Boletín de la Oficina Sanitaria Panamericana* 103, 1987, 130-139.
- 5) Criqui MH, Cowan LD, Tyroler HA, **Bangdiwala SI**, Heiss G, Wallace RB, Cohn R. Lipoproteins as mediators for the effects of alcohol consumption and cigarette smoking on cardiovascular mortality: Results from the Lipid Research Clinics Follow-up Study. *American Journal of Epidemiology* 126, 1987, 629-637.
- 6) Gordon DJ, Probstfield JL, Garrison RJ, Neaton JD, Castelli WP, Knoke JD, Jacobs DR, **Bangdiwala SI**, Tyroler HA. High density lipoprotein cholesterol and cardiovascular disease: Four prospective American studies. *Circulation* 79, 1989, 8-15.
- 7) **Bangdiwala SI**. The Wald statistic in proportional hazards hypothesis testing. *Biometrical Journal* 31, 1989, 203-211.
- 8) **Bangdiwala SI**, Cohn RD, Hazard C, Davis CE, Prineas RJ. Comparisons of cause of death verification methods and costs in the Lipid Research Clinics Program Follow-up Study. *Controlled Clinical Trials* 10, 1989, 167-187.
- 9) **Bangdiwala SI**. The teaching of the concepts of statistical tests of hypotheses to non-statisticians. *Journal of Applied Statistics* 16, 1989, 355-361.
- 10) Jacobs Jr. DR, Mebane I, **Bangdiwala SI**, Criqui MH, Tyroler HA. High density lipoprotein cholesterol as a predictor of cardiovascular disease mortality in men and women: The Follow-up Study of the Lipid Research Clinics North American Prevalence Study. *American Journal of Epidemiology* 131, 1990, 32-47.
- 11) **Bangdiwala SI**. Systematic bias due to rounding. *Teaching Statistics* 12, 1990, 14.
- 12) **Bangdiwala SI**. Anzola-Perez E, Romer CJ, Schmidt B, Valdez-Lazo F, Toro J, D'Suze C. The incidence of injuries in young people: I. Methodology and results of a collaborative study in Brazil, Chile, Cuba and Venezuela. *International Journal of Epidemiology* 19, 1990, 115-124.

- 13) **Bangdiwala SI**, Anzola-Perez E. The incidence of injuries in young people: II. Loglinear multivariable models for risk factors in a collaborative study in Brazil, Chile, Cuba and Venezuela. *International Journal of Epidemiology*, 19, 1990, 125-132.
- 14) Wilcosky T, Hyde J, Anderson JJB, **Bangdiwala SI**, Duncan B. Obesity and mortality in the Lipid Research Clinics Follow-up Study. *Journal of Clinical Epidemiology* 43, 1990, 743-752.
- 15) **Bangdiwala SI**, Anzola-Perez E, Glizer M, Romer CJ, Holder Y. A structural epidemiologic method for planning of prevention of road traffic accidents (in Spanish). *Boletín de la Oficina Sanitaria Panamericana* 111, 1991, 186-189.
- 16) Criqui MH, **Bangdiwala S**, Goodman DS, Blaner WS, Morris JS, Kritchevsky S, Lippel K, Mebane I, Tyroler HA. Selenium, retinol, retinol-binding protein, and uric acid associations with cancer mortality in a population-based prospective case-control study. *Annals of Epidemiology* 1, 1991, 385-393.
- 17) Runyan CW, Bowling JM, **Bangdiwala SI**. Emergency department record keeping and the potential for injury surveillance. *The Journal of Trauma* 32, 1992, 187-189.
- 18) Rhoads JM, Keku EO, Woodard JP, **Bangdiwala SI**, Lecce JG, Gatzky JT. L-Glutamine with D-glucose stimulates oxidative metabolism and NaCl absorption in piglet jejunum. *American Journal of Physiology* 263 (*Gastrointestinal Liver Physiology* 26), 1992, G960-G966.
- 19) **Bangdiwala SI**, Weiner DH, Bourassa MG, Friesinger GC, Ghali JK, Yusuf S, for the SOLVD investigators. Studies of Left Ventricular Dysfunction (SOLVD) registry: Rationale, design, methods and description of baseline characteristics. *Journal of the American College of Cardiology* 70, 1992, 347-353.
- 20) Runyan CW, **Bangdiwala SI**, Linzer MA, Sacks JJ, Butts J. Risk factors for fatal residential fires. *The New England Journal of Medicine* 327, 1992, 859-863.
- 21) Criqui MH, Heiss G, Cohn R, Cowan LD, Suchindran CM, **Bangdiwala SI**, Kritchevsky S, Jacobs Jr. DR, O'Grady HK, Davis CE. Plasma triglyceride level and mortality from coronary heart disease. *The New England Journal of Medicine*, 1993.
- 22) McMurray RG, Bradley CB, Harrell JS, Bernthal PR, Frauman AC, **Bangdiwala SI**. Parental influences on childhood fitness and activity patterns. *Research Quarterly of Exercise and Sport* 64, 1993, 249-255.
- 23) Bittner V, Weiner DH, Yusuf S, Rogers WJ, McIntyre KM, **Bangdiwala SI**, Kronenberg MW, Kostis JB, Kohn RM, Guilloette M, Greenberg B, Woods PA, Bourassa MG. Prediction of mortality and morbidity with a 6-minute walk test in patients with left ventricular dysfunction. *Journal of the American Medical Association* 270, 1993, 1702-1707.
- 24) Bourassa MG, Gurne O, **Bangdiwala SI**, Ghali JK, Young JB, Rousseau M, Johnstone DE, Yusuf S. Natural history and current practice pattern in congestive heart failure patients. *Journal of the American College of Cardiology* 22(suppl A), 1993, 14A-19A.
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- 12) **Bangdiwala SI**. “Using and Understanding Medical Statistics” book review, *Gastroenterology* 122, 2002, 835-836.
- 13) Ughade S, Zodpey S, Purwar M, Guhe U, **Bangdiwala SI**. Development and validation of a risk scoring system for prediction of spontaneous abortion, INCLIN sponsored Abortion Study project report, 2003.
- 14) **Bangdiwala SI**. Scientific considerations in injury research methodology, *Second Advanced Nordic-Baltic Course on Safety Promotion and Injury Prevention Research in Toila, Estonia*, Ekman R, Ed., Karolinska Institute report 2003:2, 2003, 90-98.
- 15) **Bangdiwala SI**. Governance and management of multicenter collaborative projects, Module 8 v1.0, Leadership and Management Program, International Clinical Epidemiology Network, 2005.
- 16) Mohan D, **Bangdiwala SI**. Urban street structure and safety, “Safety, Sustainability and Future Urban Transport” *Proceedings*, Transportation Research & Injury Prevention Programme, Indian Institute of Technology, Delhi, India, Mar 2012, pp1-15.
- 17) Jonas DE, Wilkins TM, **Bangdiwala S**, Bann CM, Morgan LC, Thaler KJ, Amick HR, Gartlehner G. Findings of Bayesian Mixed Treatment Comparison Meta-Analyses: Comparison and Exploration Using Real-World Trial Data and Simulation [Internet]. In *AHRQ Methods for Effective Health Care*, Agency for Healthcare Research and Quality (US); 2013 Feb. Report No.: 13-EHC039-EF, Rockville (MD).

SCIENTIFIC PAPERS PERSONALLY PRESENTED (sole author if no names given)

- 1) “Categorical data analysis of environmental sanitation-diarrheal morbidity relationships in rural Guatemala,” Biometric Society Spring ENAR Meeting, New Orleans, April 1979.
- 2) “A sequential likelihood ratio test for general parametric functions,” American Statistical Association Annual Joint Meeting, Washington, DC, August 1979.
- 3) “A progressively censored likelihood ratio test for general parametric functions,” Biometric Society Spring ENAR Meeting, Charleston, March 1980.
- 4) “The teaching of the concepts of statistical tests of hypotheses to non-statisticians,” Biometric Society Spring ENAR Meeting, San Antonio, March 1982.
- 5) “The Wald statistic in proportional hazards hypothesis testing,” American Statistical Association Annual Joint Meeting, Toronto, August, 1983.
- 6) “Traffic accidents in the Americas: Present situation and perspectives,” **position paper**, 9th International Congress of Accidents and Traffic Medicine, Mexico City, September 1983.
- 7) (First author with R Cohn) “Problems in identifying covariates in cardiovascular research using the proportional hazards model,” **invited paper**, Biometric Society Spring ENAR Meeting, Orlando, March 1984.
- 8) “Comparisons of cause of death verification methods and costs in the Lipid Research Clinics Program Follow-up Study,” 6th Annual Meeting of the Society for Clinical Trials, New Orleans, May 1985.
- 9) “A graphical test for observer agreement,” Centenary Session of the International Statistical Institute, Amsterdam, August 1985.
- 10) (First author with E Anzola-Perez) “Traffic accidents as a serious health problem in selected developing countries of the Americas,” **invited paper**, American Public Health Association Annual Meeting, Washington, DC, November 1985.
- 11) “The agreement chart,” **invited seminar**, Biometry Division, Duke University, March 1986.

- 12) "A minority training and recruitment summer program in Biostatistics," 1st American Statistical Association Winter Conference, Orlando, January 1987.
- 13) (First author with H Bryan) "Using SAS software graphical procedures for the observer agreement chart," SAS Users Group International 12, Dallas, February 1987.
- 14) "Using the agreement chart to examine observer bias," 46th Session of the International Statistical Institute, Tokyo, September 1987.
- 15) (First author with CC Paton and MR Jackson) "Clinic monitoring in collaborative clinical studies," International Statistical Institute Satellite Meeting on Biometry, Osaka, September 1987.
- 16) "Methods and results of the study of childhood injuries in Latin America" (in Spanish), Seminar on the Prevention and Control of Accidents in Children and Adolescents, 8th Latin American Pediatric Congress, Caracas, Oct 1987.
- 17) (Second author with E Anzola-Perez et al) "A collaborative study of injuries in children and adolescents in Latin America," School of Public Health Alumni Conference, University of North Carolina at Chapel Hill, April 1988.
- 18) "The use of computers in the study of accidents" (in Spanish), 1st Latin American Congress on Childhood Accidents, Porto Alegre, Brazil, Oct 1988.
- 19) "Statistical collection of childhood injuries in Latin America" (in Spanish), 1st Latin American Congress on Childhood Accidents, Porto Alegre, Brazil, Oct 1988.
- 20) (First author with M Bourassa, G Friesinger, S Yusuf, DH Weiner) "The use of a registry as a complement to a clinical trial among patients with left ventricular dysfunction (LVD)," Society for Clinical Trials 10th Annual Meeting, Minneapolis, May 1989.
- 21) (First author with E Anzola-Perez) "Methodology and preliminary results of the Pan American Health Organization Study of prevalence of senile dementia in Argentina, Chile and Cuba," International Steering Committee on Age Associated Dementias, National Institute of Aging and World Health Organization, Bethesda, July 1989.
- 22) (First author with E Anzola-Perez) "Log-linear multivariate models for risk factors for childhood and adolescent injuries in Latin America," 1st World Conference on Accident and Injury Prevention, Stockholm, Sept 1989.
- 23) "Surveillance system for accidents" (in Spanish), 1st International Workshop on Prevention of Traffic Accidents, Havana, Nov 1989.
- 24) "Statistical data management of traffic accident information" (in Spanish), 1st International Workshop on Prevention of Traffic Accidents, Havana, Nov 1989.
- 25) (First author with E Anzola-Perez) "Childhood and adolescent injuries in Latin America," School of Public Health Alumni Conference, University of North Carolina at Chapel Hill, May 1990.
- 26) "A visual representation of observer agreement and bias," seminar, Group in Biostatistics, University of California-San Francisco Medical Center, February 1991.
- 27) "Statistical methods for assessing observer agreement," seminar, Centre for Clinical Epidemiology and Biostatistics, University of Newcastle, NSW, Australia, July 1991.
- 28) "The agreement chart: A graphical method for assessing observer agreement and bias," seminar, Department of Statistics, University of Newcastle, NSW, Australia, July 1991.
- 29) (First author with TB Cole) "Applicability and limitations of conceptual models for injuries," **invited paper**, Joint Statistical Meetings, Atlanta, Georgia, August 1991.
- 30) "The statistician, the biostatistician and the epidemiologist: Their roles and the progress of computation" (in Spanish), **invited paper**, 1st National Congress on Statistics, San Jose, Costa Rica, March 1993.
- 31) "Teaching biostatistical concepts and methodology to medical professionals: Various alternatives," 1st Meeting of the International Association for Statistical Education, Perugia, Italy, August 1993.
- 32) (First author with SR Munoz) "Inter-instrument reliability and validity: More than just agreement," 49th Session of the International Statistical Institute, Firenze, Italy, August, 1993.
- 33) "Design, conduct and baseline characteristics of the Cardiovascular Health in Children Study," seminar, Aichi Medical Association, Nagoya, Japan, February 1994.
- 34) "The teaching of statistics: Present and future" (in Spanish), **invited paper**, 6th Meeting of the Southern Chapter of the Chilean Statistical Society, Temuco, Chile, May 1994.
- 35) "Clinical trials: Design and interpretation considerations" (in Spanish), seminar, Department of Internal Medicine, Hospital General de Temuco, Chile, May 1994.
- 36) (Second author with MLE Amarillo) "Classification and regression trees: Nonparametric methodology to predict measles" (in Spanish), **invited paper**, National Statistical Symposium, Universidad Nacional de Colombia, Bogotá, June 1994.
- 37) "Comparative analysis of ordinal data with repeated measures," seminar, University of the Philippines College of Medicine, Manila, August 1994.
- 38) "Two-sample nonparametric methods: The two-sample t-test?," seminar, Clinical Epidemiology Unit, University of the Philippines College of Medicine, Manila, August 1994.
- 39) "Biostatistical methods for gastrointestinal biology and disease: Sample size and power design considerations," seminar, Center for Gastrointestinal Biology and Disease, UNC School of Medicine, November 1994.
- 40) "Data and safety monitoring boards: Purpose and functioning," **invited paper**, Conference on Advances in AIDS Vaccine Development, Reston, Virginia, November 1994.

- 41) "The assessment of reliability and validity: Statistical concerns," seminar, Aravind Eye Hospital, Madurai, India, February 1995.
- 42) "Reliability and validity measures for quality control in clinical research," seminar, Clinical Epidemiology Unit, Madras Medical College, Madras, India, February 1995.
- 43) "Survival analysis: Interim analysis in randomized clinical trials," seminar, Clinical Epidemiology Unit, Madras Medical College, Madras, India, February 1995.
- 44) "Assessing reliability and validity in clinical research," **Invited Plenary**, 1st Meeting of the Latin-American Clinical Epidemiology Network (LatinCLEN), Santa Marta, Colombia, April/May 1995.
- 45) (Second author with DS Williamson, SW Marshall, AE Waller) "Repeated measures analysis of binary outcomes: Application to injury research," 3rd International Conference on Injury Prevention and Control, Melbourne, Australia, February 1996.
- 46) "How do I compare two groups?," seminar, Clinical Epidemiology Unit, Madras Medical College, Madras, India, February 1996.
- 47) "The role of the biostatistician in public health," seminar, Department of Public Health, Unit of Biostatistics, Universidad de La Frontera, Temuco, Chile, October 1996.
- 48) "Interim analysis in clinical trials," seminar, School of Public Health, Division of Biostatistics and Biomathematics, Universidad de Chile, Santiago, October 1996.
- 49) "Factors related to HIV+ *versus* AIDS presentation at the first contact with health services," 5th Research Centers in Minority Institutions International AIDS Symposium, Rio Mar, Puerto Rico, November 1996.
- 50) "Statistical considerations for protection of subjects in clinical trials for prevention of HIV/AIDS," seminar, Retrovirus Research Center, Universidad Central del Caribe, Bayamón, Puerto Rico, February 1997.
- 51) "Introduction to clinical trials for medical research," seminar, Gifu University School of Medicine, Japan, Feb 1997.
- 52) "Good data in medical research: Reliability and validity," seminar, Aichi Medical Association, Nagoya, Japan, Feb 1997.
- 53) "Confidence intervals for nonparametric methods," invited paper, 2nd National Congress of Statistics, San José, Costa Rica, March 1997.
- 54) (First author with JS Harrell, RG McMurray, A Frauman, A Levine) "Statistical design and conduct issues: Cardiovascular Health in Children (CHIC) study," seminar, Clinical Epidemiology Unit, Nagpur Medical College, and the Indian Association of Pediatrics, Nagpur, India, May 1997.
- 54) (Second author with SR Muñoz) "A practical guide for interim analysis of clinical trials," 6th Seminar on Applied Statistics, San José, Costa Rica, June 1997.
- 55) (Third author with RM Pandey and ML Amarillo) "Discrimination in populations: Recent methodologies," 6th Seminar on Applied Statistics, San José, Costa Rica, June 1997.
- 56) "Sample size and power considerations in the design of clinical studies in gastrointestinal biology and disease," seminar, Center for Gastrointestinal Biology and Disease, School of Medicine, University of North Carolina at Chapel Hill, Dec 1997.
- 57) "Grant proposal application strategies along international norms" (in Spanish), **invited seminar**, Research and Training Center in Clinical Epidemiology, Faculty of Medicine, Universidad de La Frontera, Temuco, Chile, Jan 1998.
- 58) "Nonparametric methods I: Comparison of two samples" (in Spanish), **invited seminar**, Department of Mathematics, Universidad de La Frontera, Temuco, Chile, January 1998.
- 59) "Nonparametric methods II: Confidence intervals" (in Spanish), **invited seminar**, Department of Mathematics, Universidad de La Frontera, Temuco, Chile, January 1998.
- 60) (First author with RF Hunter and MA Gómez) "Factors related to HIV+ *versus* AIDS presentation at the first contact with health services," 5th Conference on Retrovirus and Opportunistic Infections, Chicago, February 1998.
- 61) "Measures to confront unintentional injuries: Traffic accidents" (in Spanish), **invited seminar**, Dominican Medical Association, Santo Domingo, Dominican Republic, February 1998.
- 62) "Interim analysis and early stopping of clinical trials: Ethical and statistical considerations," seminar, Institute of Mathematics and Statistics, Universidade de São Paulo, Brazil, March 1998.
- 63) "Statistical methods for longitudinal analysis of injury data," 4th World Conference on Injury Prevention and Control, Amsterdam, The Netherlands, May 1998.
- 64) "International norms for the evaluation of research projects" (in Spanish), seminar, Universidad de La Frontera, Temuco, Chile, October 1998.
- 65) "The biostatistician's role in biomedical research" (in Spanish), 25th Jornadas Nacionales, Chilean Statistical Society, Temuco, Chile, October 1998.
- 66) "The role of biostatisticians in the 21st century," seminar, Department of Biostatistics, Christian Medical College, Vellore, India, Feb 1999.
- 67) "'Accidents' are not accidental" (in Spanish), seminar, Ministry of Health, Santo Domingo, Dominican Republic, July 1999.
- 68) "Multivariate models for abuse in IndiaSAFE," and "Multivariate models for abuse in WorldSAFE," International Conference on Domestic Violence, Lucknow, India, Feb 2000.
- 69) "Statistical considerations for the design, conduct and analysis of efficacy of safe community interventions," 9th International Conference on Safe Communities, Dhaka, Bangladesh, Feb 2000.
- 70) "Methodological considerations in the analysis of injury data: A challenge to the injury research community," 5th World Conference on Injury Prevention and Control, New Delhi, India, Mar 2000.

- 71) "The applied statistician: God, bishop, member of the congregation or altar boy?" (in Spanish), seminar, Faculty of Economic Sciences, Universidad Nacional de Tucumán, Argentina, June 2000.
- 72) (first author with Sergio R. Muñoz) "Training of statisticians worldwide to collaborate as co-investigators within country clinical epidemiology units: The experience of the International Clinical Epidemiology Network (INCLLEN)," International Association of Statistical Education Round Table Conference, Tokyo, Japan, August 2000.
- 73) (second author with Sergio R. Muñoz) "Development of a data management and statistical center for coordinating multicenter studies: The Universidad de La Frontera (Temuco, Chile) and the University of North Carolina at Chapel Hill experience," **invited paper**, Joint Statistical Meetings, Indianapolis, August 2000.
- 74) "Governance issues in multicenter clinical research studies," seminar, University of the Philippines, Manila, Aug 2000.
- 75) "Road traffic injuries from a global perspective," Symposium on Road Traffic Injuries: Opportunities for Prevention, Aga Khan University, Karachi, Pakistan, Aug 2000.
- 76) "Statistical and non-statistical considerations arising from the interim analysis of clinical trials," seminar, Department of Community Health Sciences, Aga Khan University, Karachi, Pakistan, August 2000.
- 77) "Issues in the design and analysis of injury epidemiology studies," seminar, Department of Community Health Sciences, Aga Khan University, Karachi, Pakistan, August 2000.
- 78) "The training of physicians to be clinical epidemiologists and the training of statisticians to be biostatisticians collaborating with clinical epidemiologists," seminar, Department of Community Health Sciences, Aga Khan University, Karachi, Pakistan, August 2000.
- 79) "The need for statistical coordinating centers in INCLLEN: Recommendations from attendees at the Workshop on Multicenter Studies, Vellore, March 2000," 17th INCLLEN Global Meeting, Bangkok, Thailand, Oct 2000.
- 80) (second author with Sergio R. Muñoz) "Research based on current statistical methodology: The example of methods for interim analysis in clinical trials," 6th Congress of the Latin American Network of Clinical Epidemiology, Villarica, Chile, Nov 2000.
- 81) (first author with Sergio R. Muñoz) "Use of current statistical methodology in biomedical research: The example of interim analysis of randomized clinical trials," International Biometric Society ENAR Spring Meeting, Charlotte, NC, Mar 2001.
- 82) "Statistical considerations for aggregate analyses in LongSCAN," seminar, Collaborative Studies Coordinating Center, Department of Biostatistics, University of North Carolina at Chapel Hill, April 2001.
- 83) "The role of the biostatistician in biomedical research," **invited paper**, 32nd Regional Meeting of the Brazilian Statistical Association, Salvador, Bahia, Brazil, June 2001.
- 84) "Methodological aspects of the analysis of longitudinal studies of injuries in children and adolescents," seminar, Institute of Public Health, Federal University of Bahia, Salvador, Brazil, June 2001.
- 85) "Data analyses in clinical trials," seminar, Escola Paulista de Medicina, Federal University of São Paulo, Brazil, June 2001.
- 86) "Experiences in clinical trials monitoring committees" (in Spanish), **invited special seminar**, Faculty of Medicine, Universidad de Chile, Santiago, July 2001.
- 87) "Teaching statistical reasoning in elementary schools using age-appropriate methods," International Association for Statistical Education Satellite Conference on Statistical Literacy, Seoul, Korea, August 2001.
- 88) (second author with C. Komoltri) "Comparison of test procedures for interim analyses in clinical trials," 53rd Session of the International Statistical Institute, Seoul, Korea, August 2001.
- 89) "Descriptive and analytic methodology for reliability and validity: Use of the agreement chart" (in Spanish), **invited plenary**, 16th Forum of the Mexican Statistical Association, Guadalajara, Mexico, October 2001.
- 90) "Descriptive and analytic methodology for establishing the reliability and validity of instruments," seminar, Department of Biochemistry, Universidad Nacional de Tucumán, Argentina, November 2001.
- 91) "How to judge a good randomized controlled trial," seminar, Government Medical College, Nagpur, India, Dec 2001.
- 92) "Analysis of multilevel data" (in Spanish), **invited plenary**, 3rd National Congress of Statistics, San José, Costa Rica, March 2002.
- 93) "Strategies and considerations for multinational surveillance databases of HIV/AIDS in the Caribbean," Caribbean Workshop on Health Disparities in AIDS, San Juan, PR, May 2002.
- 94) "Think globally, act locally – U.S.-International linkages in injury control," 10th Anniversary Celebration of the National Center for Injury Prevention and Control, Regional Event, Johns Hopkins University, Baltimore, MD, June 2002.
- 95) (first author with Amarillo ML, Ughade S, Rodríguez MN, Singer JM, Muñoz SR, Komoltri C, Cumsille JF) "Teaching consultancy through direct experience in research: The approach of the Department of Biostatistics of the University of North Carolina at Chapel Hill," 6th International Conference on Teaching Statistics, Cape Town, South Africa, July 2002.
- 96) "Scientific considerations in injury research methodology," lecture, Advanced Nordic-Baltic Course on Injury Control and Safety Promotion, Toila, Estonia, Aug 2002.
- 97) "Developing and operating a data and safety monitoring board," seminar, Center for Research on Chronic Illness, School of Nursing, University of North Carolina at Chapel Hill, Oct 2002.
- 98) "Descriptive and analytic methodologies for reliability and validity: Use of the agreement chart" (in Spanish), seminar, Center for Studies of the State and Society (CEDES), Buenos Aires, Argentina, Oct 2002.
- 99) "Statistical literacy" (in Spanish), **invited closing plenary**, 5th Latin American Congress of Statistical Societies (CLATSE), Buenos Aires, Argentina, Oct-Nov 2002.

- 100) "Biostatistical literacy and culture: The necessary ABC" (in Spanish), **invited paper**, 1st National Statistics Colloquium, Santiago, Chile, Jan 2003.
- 101) "Reliability and validity," seminar, Department of Statistics, Universidad de Valparaiso, Chile, Jan 2003.
- 102) (first author with Shankar V, Jeyaseelan L) "Behavior of kappa and B statistic measures of agreement in the presence of zeroes in cells," International Clinical Epidemiology Network Global Meeting, Kunming, China, Feb 2003; and Latin America Regional Clinical Epidemiology Network meetings, Pucon, Chile, June 2003.
- 103) "User-friendly statistics," Health Promotion and Disease Prevention conference, Chapel Hill, NC, Mar 2003.
- 104) "Reliability and validity in scientific research," seminar, Department of Psychology, Universidad de Valparaiso, Chile, May 2003.
- 105) (second author with Jong P, Rousseau MF, Ahn SA, Yusuf S) "Evaluating the validity of US record linkages in the ascertainment of vital status for post-trial follow-up of a heart failure clinical trial," Society for Clinical Trials, London, Jul 2003.
- 106) "International co-operation in research: An opportunity to educate collaborators," **invited paper**, 54th International Statistical Institute, Berlin, Aug 2003.
- 107) "Quality assurance in community based clinical trials," lecture, Neonatal Health Research Initiative pre-conference workshop, India Clinical Epidemiology Network annual meeting, Lucknow, India, September 2003.
- 108) "The graphical and analytic assessment of reliability and validity of measurements," seminar, Michigan State University, Lansing, Oct 2003.
- 109) "Handling clinical data: From idea to publication," seminar, Madras Medical College, Chennai, India, Dec 2003.
- 110) "Governance aspects of project management in multi-center collaborative research," **invited paper**, 20th Global Meeting of the International Clinical Epidemiology Network, Agra, India, Feb 2004.
- 111) "Internal validity of large community based collaborative research," lecture, Neonatal Health Research Initiative workshop, Lucknow, India, May 2004.
- 112) "Sample size considerations when evaluating SAFE Community interventions," 13th International Conference on SAFE Communities, Prague, Czech Republic, June 2004.
- 113) "Intimate partner violence and the role of socio-economic indicators," 7th World Conference on Injury Prevention and Safety Promotion, Vienna, Austria, June 2004.
- 114) "Strengths, weaknesses, opportunities and threats (SWOT) – collaborative research studies," **invited plenary paper**, 15th India Clinical Epidemiology Network Conference, Nagpur, India, Sept 2004.
- 115) "Quality assurance and data management issues in collaborative research," **invited plenary paper**, 15th India Clinical Epidemiology Network Conference, Nagpur, India, Sept 2004.
- 116) "Experiences in the conduct of collaborative studies," **invited paper**, 5th National Symposium of Biostatistics, Chilean Statistics Society, Santiago, Chile, Jan 2005.
- 117) "Safe Communities: How can we evaluate the success of our efforts?" **invited keynote paper**, 14th International Safe Communities Conference, Bergen, Norway, Jun 2005.
- 118) "Clinical epidemiology: Evidence-based medicine," grand rounds, New Hospital of Rio Cuarto, Argentina, August 2005
- 119) "The role of the applied statistician in exact sciences research," **invited speaker**, Faculty of Exact Sciences, National University of Rio Cuarto, Argentina, August 2005
- 120) "Differential diagnosis – two categories," **invited speaker** at symposium – on statistical methods, 14th Chilean Congress on Clinical Chemistry, Valparaiso, Oct 2005
- 121) "I confessed to have lived: The everyday life of a statistician," **invited plenary**, 32nd National Statistical Meetings, Valparaiso, Chile, Oct 2005.
- 122) "Use of graphical methods for diagnostic tests – ROC curve and the agreement chart," **invited speaker**, 6th Jornadas Nacionales de Bioestadística, Temuco, Chile, Jan 2006
- 123) "Biostatistical evidence based medicine – prospective studies and clinical trials," **invited 'conferencia magistral'**, Department of Statistics, University of Costa Rica, San José, Feb 2006.
- 124) "Ethics in the practice of medical research – early stopping of clinical trials," **invited 'conferencia magistral'**, Department of Statistics, University of Costa Rica, San José, Feb 2006.
- 125) "Statistical and practical considerations in the analyses of clinical trials," special lecture at the South African Medical Research Council, Department of Biostatistics, Cape Town, April 2006.
- 126) "Sample size considerations in epidemiological studies," hands-on lecture at the South African Medical Research Council, Department of Biostatistics, Cape Town, April 2006.
- 127) "Bioequivalence, clinical equivalence, and non-inferiority clinical trials." 1-day extended lecture for the Collaborative Research Clinical Network (CRCN), Thai Consortium of Medical Schools, Bangkok, May 2006.
- 128) "Quality assurance methods in multicenter clinical trials." 1-day extended lecture for the Collaborative Research Clinical Network (CRCN), Thai Consortium of Medical Schools, Bangkok, May 2006.
- 129) "Design and analysis of clinical trials," seminar presented at the Department of Statistics, Federal University of Bahia, Salvador, Brazil, June 2006.
- 130) "Multilevel models," seminar presented at the Institute of Public Health, Federal University of Bahia, Salvador, Brazil, June 2006.

- 131) "Mentoring graduate students in apprenticeship positions as research assistants: The experience at the University of North Carolina at Chapel Hill," **invited** lecture at the 7th International Conference on Teaching of Statistics (ICOTS-7), Salvador, Bahia, July 2006.
- 132) (first author with Ana Haedo and Marcela Natal) "Graphical interpretation of diagnostic tests using the agreement chart and receiver operating characteristic (ROC) curves," poster presentation, International Biometric Conference, Montreal, July 2006.
- 133) "Data and safety monitoring boards (DSMB) for clinical trials", **Special invited lecture**, Faculty of Tropical Medicine, Mahidol University, Bangkok, Thailand, July 2006.
- 134) "Concordance and discordance between observers," **plenary invited lecture (conferencia magistral)**, National Statistics Forum, Mexican Statistical Association, Acapulco, Mexico, Oct 2006.
- 135) "Biostatistics applied to traumatic injuries: Challenges and solutions," **invited plenary lecture**, 7th Jornadas Nacionales de Bioestadística, Santiago, Chile, Jan 2007.
- 136) "The role of external data and safety monitoring boards for clinical trials in India and Asia," Molecular Tri-conference, Cambridge Health Institute, San Francisco, CA, Mar 2007.
- 137) "Methodological considerations in cross-cultural research on intimate partner violence: Establishing common risk factors in the WorldSAFE program," seminar, ICHAR, Department of Public Health Sciences, Karolinska Institutet, Stockholm, Mar 2007.
- 138) "Graphical understanding of clinical diagnostic test properties: Use of the agreement chart and of the receiver operating characteristic (ROC) curve," seminar, Medical Epidemiology and Biostatistics, Karolinska Institutet, Stockholm, Mar 2007.
- 139) "Interim analysis in clinical trials – the role of the DSMB," seminar, Department of Statistics, Turku University, Finland, May 2007.
- 140) "Monitoring or not: does it change the evidence," **invited plenary lecture**, 10th Latin American Clinical Epidemiology Network conference, Iberoamerican Cochrane Centre, Barcelona, Spain, Jun 2007.
- 141) "Evaluation of risk in clinical epidemiology," seminar, Department of Statistics, Universidad Nacional de Rio Cuarto, Argentina, Nov 2007.
- 142) "Evaluation of risk in clinical epidemiology," seminar, Department of Statistics, Universidad Nacional del Cuyo, Mendoza, Argentina, Nov 2007.
- 143) "Data management and quality assurance in RCTs: The SAHAPS study," University of Kwa-Zulu Natal, Durban, South Africa, Nov 2007.
- 144) "To agree or to disagree: What's the visual question?," seminar, Department of Statistics, Örebro University, Sweden, Feb 2008.
- 145) "Sample size, power and precision for the design of research studies," seminar, Retrovirus Research Center, Universidad Central del Caribe, Bayamon, Puerto Rico, Mar 2008.
- 146) "Multicenter studies and data management in health research," & "Rationale, design, conduct and sample size for bioequivalence and non-inferiority trials," **invited special lectures**, College of Public Health Sciences, Chulalongkorn University, Bangkok, Thailand, May 2008.
- 147) "Sample size calculation for medical research," & "Survival analysis," **invited lectures**, Department of Statistics, Kasetsart University, Bangkok, Thailand, May 2008.
- 148) "Importance of evidence as the basis for prevention," invited plenary, 2nd International Gathering for Accident Prevention, Tapalpa, Jalisco, Mexico, June 2008.
- 149) "Diagnostic tests: Use of graphs to visualize their characteristics," invited seminar, School of Public Health, Faculty of Medicine, Universidad de Chile, Santiago, Sept 2008.
- 150) "Graphical methods to study reliability and validity of measurements," Faculty of Exact and Natural Sciences, Universidad de Buenos Aires, Argentina, Sep 2008.
- 151) "Science or service: The role of the biostatistician in health research," **Opening Invited Plenary** talk, Grupo Argentino de Biometria (GAB) conference, Tucumán, Argentina, Sep 2008.
- 152) "To agree or to disagree: What is the question," seminar at Medical Epidemiology and Biostatistics, Department of Public Health Sciences, Karolinska Institutet, Stockholm, Sweden, Nov 2008.
- 153) "Research methods: Study design," invited talk at International Congress on Trends in Prevention and Care of Injuries and Trauma, Pontificia Universidad Javeriana, Bogotá, Colombia, Feb 2009.
- 154) "Statistics and causality," invited seminar, Universidad Nacional, Bogotá, Colombia, Feb 2009.
- 155) "Promoting Safe Communities - What works and what does not work? - How statistics can be helpful," seminar at Ajou University, Seoul, South Korea, Mar 2009.
- 156) "Community-based interventions for cancer prevention: Methodological issues," seminar at National Cancer Center Research Institute, Seoul, Korea, Mar 2009.
- 157) "Visual assessment of agreement and disagreements of ordinal categorical observations," seminar at Indian Institute of Public Health, Hyderabad, India, May 2009.
- 158) "Are children safe in Safe Communities?," **invited Keynote plenary talk** at 1st Regional Southeastern Europe Conference on Safe Communities, Novi Sad, Serbia, June 2009.
- 159) "Structural equation models," a 2-day seminar at Department of Biostatistics, Christian Medical College, Vellore, India, July 2009.

- 160) "Evaluation of Safe Communities," **invited plenary Keynote talk** at 18th International Conference on Safe Communities, Cali, Colombia, Aug 2009.
- 161) "Introduction to structural equation models," 2-day seminar at Universidad Nacional de Tucumán, Facultad de Ciencias Económicas, Tucumán, Argentina, Sept 2009.
- 162) "Evaluation of Community-based interventions," seminar at Linköping University, Sweden, Nov 2009.
- 163) "Why do I need a statistician," seminar at Environment Protection Training and Research Institute [EPTRI], Hyderabad, India, Dec 2009.
- 164) "Diagnostic testing," seminar at Chung-Ang University, Seoul, South Korea, Mar 2010
- 165) "Effectiveness of safe communities," **invited plenary** talk, 19th International Safe Communities Conference, Seoul, South Korea, Mar 2010.
- 166) "To agree or to disagree: What is the question?," seminar, UNC Quantitative Psychology Forum, Chapel Hill, Apr 2010.
- 167) "Mixed treatment meta analysis," seminar, NC TraCS Biostatistics Core Grand Rounds, Chapel Hill, Apr 2010.
- 168) "Uso de modelos mixtos en meta análisis: Meta regresión," **invited conference**, Workshop en modelos mixtos, Instituto de Investigaciones Estadísticas, Universidad Nacional de Tucumán, Argentina, Sept 2010.
- 169) "Modelos mixtos: algo nuevo?," **invited conference**, Workshop en modelos mixtos, Instituto de Investigaciones Estadísticas, Universidad Nacional de Tucumán, Argentina, Sept 2010.
- 170) "Mixed-treatment meta analysis to compare second-generation antidepressants," seminar, Department for Evidence-based Medicine and Clinical Epidemiology, Danube University, Krems an der Donau, Austria, Sept 2010.
- 171) "Evaluation Considerations: Measures & Methods," **State-of-the-art invited Keynote speaker** at Safety 2010, the 10th World Conference on Injury Prevention and Safety Promotion, London, England, Sept 2010.
- 172) "Alcohol drinking behavior patterns and intimate partner violence: Preliminary results from the World Studies of Abuse in the Family Environment (WorldSAFE)," oral presentation at Safety 2010, the 10th World Conference on Injury Prevention and Safety Promotion, London, England, Sept 2010.
- 173) "Medicina basada en la evidencia: Estableciendo relaciones," **invited** talk, Congreso Científico Internacional FELSOCEM, Viña del Mar, Chile, Oct 2010.
- 174) "Aplicaciones de la estadística en ingeniería," seminar, Department of Mathematics & Statistics, Faculty of Engineering, Universidad de la Frontera, Temuco, Chile, Nov 2010.
- 175) "Diseño y metodología estadística de estudios de intervención para prevención de obesidad," seminar, Department of Physical Education & Sports, Universidad de Granada, Spain, Dec 2010.
- 176) "Evaluation considerations: Measures & methods," WHO Violence & Injury Prevention (VIP) Programme webinar, April 2011
- 177) "Sin data no hay paraíso," **invited plenary** talk, 1st Latin American Regional Conference on Safe Communities, Peñaflor, Chile, April 2011
- 178) "Evaluation Considerations: Measures & Methods," a World Health Organization VIP webinar, May 2011
- 179) "Longitudinal data analysis," seminar at PR-CTRC & Retrovirus Research Center, Universidad Central del Caribe, Bayamon, Puerto Rico, July 2011
- 180) "Do Safe Communities Really Save Lives? A pilot effectiveness study," **invited plenary** at the 20th International Safe Community Conference, Falun, Dalarna County, Sweden, Sept 2011.
- 181) "No se necesita inferencia estadística para analizar sistemas de vigilancia de lesiones," **invited opening plenary** to the workshop on 'Data management and analysis for research,' Hospital del Carmen and Universidad Nacional de Jujuy, El Carmen, Argentina, Oct 2011.
- 182) "Como ser un buen estadístico - el consultor educador," **invited opening plenary** at the 16th Grupo Argentino de Biometría meeting, Salta, Argentina, Oct 2011.
- 183) "Diagnostic testing: Visualizing agreements and disagreements," seminar at Center for Chronic Disease Control, New Delhi, India, Dec 2011.
- 184) "Sensitivity analysis for assessing publication bias in meta analyses," seminar in the NC TraCS Biostatistics Core Grand Rounds, Chapel Hill, NC, Mar 2012
- 185) "Classification of clinical trials as of efficacy, of effectiveness, pragmatic, practical: Statistical implications of design and analysis," **invited plenary** at the Iberoamerican Cochrane Collaboration Conference, Lima, Peru, May 2012.
- 186) "The role of statisticians in health research: servant or scientist," seminar at the Indian Institute of Public Health, New Delhi, July 2012.
- 187) "Are 2 eyes better than 1?," Ophthalmology Grand Rounds, Aravind Eye Care Centre, Madurai, India, July 2012.
- 188) "Design and analysis considerations for clinical trials on the pragmatic-explanatory continuum: Walking the tightrope," **invited plenary** at the International Conference on Epidemiology, St. Thomas College, Pala, India, Aug 2012.
- 189) (second author with Annie Green Howard) "Missing data in non-parametric tests of correlated data with one covariate of interest," contributed oral paper presented at XXVIth International Biometric Conference, Kobe, Japan, Aug 2012.
- 190) "Sin data no hay paraíso: Desastres naturales en comunidades seguras", **invited plenary** at 2nd Regional Latin American conference on Safe Communities, San Borja, Peru, Oct 2012.
- 191) "Statistical modeling: Adjusting the curves," seminar at Faculty of Medicine, University of Chile, Santiago, Nov 2012.
- 192) "Preparacion de proyectos concursables: Elementos estadísticos que deben incluirse," seminar at Universidad Bernardo O'Higgins, Santiago, Chile, Nov 2012.

- 193) "Using meta regression to evaluate Safe Community programs: Japan as an example," **invited plenary** at 6th Asian Regional Conference on Safe Communities, Tokyo, Japan, Nov 2012.
- 194) (last author with Gerald Gartlehner, Noory Kim, Kylie Thaler) 'SAMURAI –A new statistical program for sensitivity analyses using unpublished studies,' poster at Evidence Live, Oxford, UK, Mar 2013.
- 195) "SAMURAI: Sensitivity Analysis of a Meta-analysis with Unpublished but Registered Analytical Investigations," OPEN Recommendations Workshop, Freiburg University, Germany, May 2013.
- 196) (fourth author with Carol W. Runyan, Matthew Pierce, Viswanathan Shankar) 'Can student perpetrated college crime be predicted based on pre-college misconduct?,' Society for Advancement of Violence and Injury Research (SAVIR), Baltimore, MD, June 2013.
- 197) "Statistical issues in management," seminar at Center for Management Studies, Jain University, Bangalore, India, Jun2013.
- 198) 'Teaching statistics students to be collaborative statisticians,' **keynote invited speaker**, IASE/IAOS Satellite meeting to the International Statistical Institute conference, Macao, Aug 2013
- 199) 'Where is the religion of clinical trials heading?,' seminar at Christian Medical College, Vellore, India, Sep 2013.
- 200) (last author with Gerald Gartlehner, Noory Kim, Kylie Thaler) 'SAMURAI – A new statistical program for sensitivity analyses using unpublished but registered trials,' Cochrane Colloquium 2013, Quebec, Canada, Oct 2013.
- 201) 'What does it mean to be "a GLOBAL network"?' **keynote speaker**, 21st International Safe Communities Conference, Merida, Mexico, Oct 2013.
- 202) 'La investigación clínica: más allá de la significancia y el tamaño de muestra,' **invited seminar**, CIMAT & Universidad Autónoma Nuevo Leon, Monterrey, México, Oct 2013.
- 203) 'Más allá de toda duda razonable: La Estadística,' seminar at Department of Statistics, Universidad de Valparaiso, Chile, Nov 2013.
- 204) "Estadística y causalidad: incertidumbre, significancia y evidencias," seminar at Clinical Epidemiology & Biostatistics Department, School of Medicine, Pontificia Universidad Javeriana, Bogotá, Colombia, Feb 2014.
- 205) "Evaluation: The Knowledge to understand; the Key to quality; the Power to sustain," plenary invited talk, 7th Asian Regional Conference on Safe Communities, Busan, South Korea, May 2014.
- 206) "Combining Apples and Oranges: Meta Regression," seminar at Pukyong National University, Department of Statistics, Busan, South Korea, May 2014.
- 207) "Analytical Issues in a Consortium of Simultaneous, but Separate Behavioral Intervention Trials on the Same Topic," invited session talk, 35th Society for Clinical Trials meeting, Philadelphia, PA, May 2014.
- 208) "Can we combine apples and oranges?: Evaluating multi-component community-based quasi-experimental interventions," seminar at University of Cape Town, South Africa, July 2014
- 209) "Should we combine apples and oranges?: Creating practice-based evidence," seminar at South Africa Medical Research Council, Tygerberg, South Africa, July 2014
- 210) "Should we combine apples and oranges?: Creating practice-based evidence," seminar at Center for Evidence Based Health Care, Stellenbosch University, Tygerberg, South Africa, July 2014
- 211) "Meta regression for evaluating multi-component dynamic interventions," seminar at Faculty of Economic & Management Sciences, University of Western Cape, Bellville, South Africa, Sept 2014.
- 212) "Statistics and causality," invited plenary opening talk, 1st Encounter of Statistics in Health, Universidad del Valle, Cali, Colombia, Mar 2015.
- 213) "Beyond RCTs: Opportunities and challenges in community-based participatory intervention research," invited seminar, South African Medical Research Council, Cape Town, August 2015.
- 214) "Incertidumbre, gobiernos y ciudadanía: El rol moderno de la estadística," invited keynote opening seminar, World Statistics Day and Jornadas Estadísticas, Facultad de Ciencias Económicas, Universidad Nacional de Tucumán, Argentina, Oct 2015.
- 215) "Statistical power and the power of statistics: So misunderstood," invited keynote 'Public Lecture' plenary, 3rd Doctoral and Post-doctoral Summer School, College of Graduate Studies, University of South Africa, Pretoria, Oct 2015
- 216) "Consideraciones bioestadísticas en el diseño, conducción, análisis e interpretación de proyectos de intervención," seminar, Faculty of Pharmacy, Universidad de Concepción, Chile, Nov 2015.
- 217) "El rol de la bioestadística en la investigación," seminar, Faculty of Pharmacy, Universidad de Concepción, Chile, Nov 2015.
- 218) "Concepts of statistical tests of hypotheses to Non-statisticians," seminar, BioCon Pharmaceuticals, Bangalore, India, Dec 2015.
- 219) "Meta regression for assessing the effectiveness of dynamic, overlapping, multi-component interventions in non-randomized community-based programs," seminar, Biostatistics Core, NC Translational and Clinical Sciences (NC TraCS) Institute, UNC, Chapel Hill, NC, Feb 2016.
- 220) "Assessing the effectiveness of dynamic, overlapping, multi-component interventions in non-randomized community-based programs," seminar, Population Health Research Institute, McMaster University, Hamilton, ON, Canada, April 2016.
- 221) "Visualizing Disagreement – Not getting along is more interesting than getting along," seminar, Population Health Research Institute, McMaster University, Hamilton, ON, Canada, April 2016.
- 222) "Evaluating safety promotion efforts in community settings: The International Safe Community model," webinar, '2016 Safety Promotion Injury Prevention Webinar', Victorian Safe Communities Network and Australian Safe Communities Foundation, Melbourne, Australia 01 June 2016

- 223) “An innovative statistical framework for evaluating the effectiveness of complex, multicomponent, dynamic, community-based violence prevention interventions,” 1st South African National Conference on Violence, Johannesburg, 17Aug 2016
- 224) “Diagnostic testing: Assessing reliability, validity, concordance, agreement, correlation, or what?,” Seminar at the Institute of Public Health, Ministry of Health, Maputo, Mozambique, 23Aug 2016.