

January 18, 2008

CURRICULUM VITAE

Charles A. Rohde

PERSONAL DATA

121 Greenmeadow Drive
Timonium, Maryland 21093
(410)561-0814

Department of Biostatistics
School of Hygiene & Public Health
The Johns Hopkins University
615 N. Wolfe Street
Baltimore, Maryland 21205-2179
(410)955-3539 **FAX** (410)955-0958
E-mail: crohde@jhsph.edu

EDUCATION AND TRAINING

1959-1964	PhD, Statistics North Carolina State University Raleigh, North Carolina
1955-1959	B.S., Management Science (with honors) Case Institute of Technology Cleveland, Ohio

PROFESSIONAL EXPERIENCE

1981-Present	Professor Department of Biostatistics The Johns Hopkins University School of Hygiene and Public Health Baltimore, Maryland 21205
1981-July 31, 1996	Professor and Chairman Department of Biostatistics The Johns Hopkins University School of Hygiene and Public Health Baltimore, Maryland 21205

PROFESSIONAL EXPERIENCE (continued)

1993	Visiting Lecturer, University of Helsinki
1995	Visiting Lecturer, University of Helsinki
1997	Visiting Professor, American University of Armenia
1997	Visiting Professor, University of Helsinki
August 1985	Visiting Lecturer Norman Bethune University of Medical Sciences Jilin Province, Chang-Chun People's Republic of China
1979-1981	Professor Department of Biostatistics The Johns Hopkins University School of Hygiene and Public Health Baltimore, Maryland 21205
1968-1979	Associate Professor Department of Biostatistics The Johns Hopkins University School of Hygiene and Public Health Baltimore, Maryland 21205
1965-1968	Assistant Professor Department of Biostatistics The Johns Hopkins University School of Hygiene and Public Health Baltimore, Maryland 21205
1964-1965	Postdoctoral Fellow Department of Biostatistics The Johns Hopkins University School of Hygiene and Public Health Baltimore, Maryland 21205
1964	Assistant Professor Department of Experimental Statistics North Carolina State University Raleigh, NC

PROFESSIONAL ACTIVITIES

1978	Chairman Subsection on Teaching of Statistics in the Health Sciences American Statistical Association
1982-1983	Chairman Committee on Statistics and the Environment American Statistical Association
1993-Present	Advisory Board Journal of Environmental Statistics (Editorial Group)

PROFESSIONAL CONSULTATION

1965-1968	Consultant to the Information Processing Division of the Goddard Division of the National Aeronautics and Space Administration
1969-1994	Ad hoc consultant to the National Institute of Dental Research (one site visit per year)
1977-1994	Member of Oral Biology and Medicine Study Section (Ad hoc Review Section) NIDR
1980-1982	Member Panel on Quality Criteria for Water Reuse National Research Council Assembly of Engineering
1994-1999	Member, Food and Drug Administration Panel

PROFESSIONAL AFFILIATIONS

American Statistical Association
Biometrics Society
Institute of Mathematical Statistics
Royal Statistical Society

HONORS AND AWARDS

Sigma Xi
Phi Kappa Phi
Delta Omega

PUBLICATIONS

Journal Articles

Rohde CA, Harvey JR (1965). Unified least squares analysis. Journal of American Statistics Association 60:523--527.

Rohde CA (1965). Generalized inverses of partitioned matrices. SIAM Journal of Applied Mathematics 13:1033-1035.

Rohde C (1966). Some results on generalized inverses. SIAM Review 8(2):201-205.

Rohde C, Tallis GM (1969). Exact first and second order moments of estimates of components of covariance. Biometrika 3(56):517-525.

Rohde C (1971). Bayesian analysis of the general linear model. Metrika 3.

Rohde C (1971). Estimation of bit probability of error using sync word error rate data. IEEE transactions on communication theory.

Rohde C, Rosenberg S (1971). Robustness properties of variance component models when the underlying model is incorrectly specified. Biometrics 27(4).

Rohde C (1976). Composite sampling. Biometrics 32(2).

Rohde C, Cumberland W (1977). A multivariate model for growth of populations. Theoretical Population Biology.

Yaffe R, Shapiro S, Fuchsberg R, Rohde C, Corpino H (1978). Medical economics survey - methods survey - cost effectiveness of alternative survey strategies. Medical Care 16:641-59.

Murphy EA, Krush AJ, Dietz M, Rohde CA (1980). Hereditary Polyposis Coli. III. Genetic and evolutionary fitness. American Journal of Human Genetics 32:700-713.

Murphy EA, Trojak JE, Hou W, Rohde CA (1981). The bingo model of survivorship: 1. Probabilistic Aspects. American Journal of Medical Genetics 10:261-277.

Journal Articles

- Guo Y L, Emmett EA, Pellizzari ED, Rohde CA (1987). Influence of Serum Cholesterol and Albumin on Partitioning of PCB Congeners Between Human Serum and Adipose Tissue. Toxicology and Applied Pharmacology 87:48-56.
- Murphy EA, Meyers DA, and Rohde CA (1987). Genetic Ascertainment With Heterogeneous Risk. American Journal of Medical Genetics 27:669-682.
- Cluzel M, Rohde CA, MacGlashan DW Jr., Undem BJ and Chilton FH (1991). Dynamics of platelet-activating-factor release and uptake in a human neutrophil suspension Biochemical Journal 278:453-459. (London)
- Farfel MR, and Rohde CA (1993). Determination of Environmental Lead Using Compositing of House Dust Sample. Proceedings of the American Chemical Society's.
- Farfel MR, Lees PSJ, Rohde CA, Benjamin SL, Desmond E, and Chisolm JJ, Jr. (1994). Comparison of a Wipe and a Vacuum Collection Method for the Determination of Lead in Residential Dusts. Environmental Research 65:291-330.
- Farfel MR, Chisolm JJ, Rohde CA (1994). The longer-term effectiveness of residential lead paint abatement. Environmental Research 66:217-221.
- Farfel MR, Lees PSJ, Bannon D, Lim BS and Rohde CA (1994). Comparison of Two Cyclone-Based Collection Devices for the Evaluation of Lead-Containing Residential Dusts. Applied Occupational and Environmental Hygiene 9(3):212-217.
- Farfel MR, Lees PSJ, Rohde CA, Lim B and Bannon D(1994)Comparison of wipe and cyclone methods for the determination of lead in residential dusts. Appl. Occup. Environ. Hyg. 9(12):1006-1012.
- Liang KY, Rohde CA, Hanfelt J (1996). Instrumental variable estimation and estimation functions. Statistica Applicata 8:43-58.
- Farrell KP, Brophy MC, Chisolm JJ, Rohde CA and Strauss WJ (1998). Soil lead abatement and children's blood lead levels in an urban setting. American Journal of Public Health 88(12):1837-1839.
- Anderson KA, Kazui M, Cameron DE, Nyhan D, Sehnert SS, Rohde CA, Bulkley GB and Risby TH (1999). Ethane: A marker of lipid peroxidation during cardiopulmonary bypass in humans. Free Radical Biology and Medicine 26(3/4):439-445.

Journal Articles (continued)

- Liang W, Shediak-Rizkallah MC, Celentano DD and Rohde C (1999). A population-based study of age and gender differences in patterns of health-related behaviors. American Journal of Preventive Medicine 17(1):8-17.
- Baldwin WM 3rd, Samaniego-Picota M, Kasper EK, Clark AM, Czader M, Rohde C, Zachary AA, Sanfilippo E, Hruban RH (1999). Complement deposition in early cardiac transplant biopsies is associated with ischemic injury and subsequent rejection episodes. Transplantation 68(6):894-900.
- Duggan AK, McFarlane EC, Windham AM, Rohde CA, Salkever DS, Fuddy L, Rosenberg LA, Buchbinder SF, Sia CC ((1999). Evaluation of Hawaii's Healthy Start Program. Future Child 9(1):66-90.
- Andreoni KA, Kazui M, Cameron DE, Nyhan D, Sehnert SS, Rohde CA, Bulkley GB, Risby TH (1999). A marker of lipid peroxidation during cardiopulmonary bypass in humans. Free Radical Biology and Medicine 26(3):439-45.
- Duggan A, Windham A, McFarlane E, Fuddy L, Mph L, Rohde C, Buchbinder S, Sia C (2000). Hawaii's healthy start program of home visiting for at-risk families: evaluation of family identification, family engagement, and service delivery. Pediatrics 105(3):250-59.
- McCaul ME, Wand GS, Stauffer R, Lee SM, Rohde CA (2001). Naltrexone dampens ethanol-induced cardiovascular and hypothalamic-pituitary-adrenal axis activation. Neuropsychopharmacology 25(4):537-547.
- Segal JB, Kasper EK, Rohde C, Bray PF, Baldwin III WM, Resar JR, Hruban RH, Kickler TS (2001). Coagulation markers predicting cardiac transplant rejection. Transplantation 72(2):233-237.
- MacKenzie EJ, Bosse MJ, Kellam JF, Burgess AR, Webb LX, Swiontkowski MF, Sanders R, Jones AL, McAndrew MP, Patterson B, McCarthy ML, Rohde CA (2002). The LEAP Study Group: Factors Influencing the Decision to Amputate or Reconstruct After High-Energy Lower Extremity Trauma. Journal of Trauma 52(4):641-649.
- Chen YQ, Rohde CA, Wang MC (2002). Additive hazards models with latent treatment effectiveness lag time. Biometrika 89(4):917-931.
- Forrest CB, Nutting P, Werner JJ, Starfield B, Von Schrader S, Rohde C (2003). Managed health plan effects on the specialty referral process: results from the ambulatory sentinel practice network referral study. Medical Care 41(2):242-253.

Journal Articles (continued)

Farfel MR, Orlova AO, Lees SJ, Rohde C, Ashley PJ, Chisolm JJ Jr (2003). A study of urban housing demolitions as sources of lead in ambient dust: demolition practices and exterior dustfall. Environmental Health Perspectives 111(7):1228-1234.

Loselle CR, Wendlandt JT, Rohde CA, Singer HS (2003). Antistreptococcal, neuronal, and nuclear antibodies to Tourette syndrome. Pediatric Neurology 28(2):119-125.

Farfel MR, Orlova O, Lees PJS, Rohde C, Ashley P and Chisolm JJ Jr. 2003. A study of urban housing demolitions as sources of lead in ambient dust: demolition practices and exterior dustfall. Environ. Health Perspectives 111:1228-1234.

Naidu S, Bibat G, Kratz L, Kelly RI, Pevsner J, Hoffman E, Cuffari C, Rohde CA, Blue ME, ohnston, MV (2003). Clinical variability in Rett Syndrome. Journal of Child Neurology 18(10):662-668.

Farfel MR, Orlova A, Chaney RL, Lees PSJ, Rohde C, Ashley P (2005). Biosolids compost amendment for reducing soil lead hazards: A pilot study of Orgro[®] amendment and grass seeding in urban yards. Science of the Total Environment 340:81-95.

Witzel C, Rohde C, Brushart TM (2005). Pathway sampling by regenerating peripheral axons. Journal of Comparative Neurology 485(3):183-190.

Brushart TM, Jari R, Verge V, Rohde C, Gordon T (2005). Electrical stimulation restores the specificity of sensory axon regeneration. Experimental Neurology 194(1):221-229.

Farfel MR, Orlova AO, Lees PSJ, Rohde C, Ashley PJ (2005). A study of urban housing demolitions as sources of lead in ambient dust on sidewalks, streets and alleys. Environmental Research (99):195-203.

Nakashima S, Soong TR, Fox-Talbot K, Qian Z, Rahimi S, Wasowska BA, Rohde CA, Chen S, Garcia JG, Baldwin W 3rd (2006). Impact of MHC class II incompatibility on localization of mononuclear cell infiltrates to the bronchiolar compartment of orthotopic lung allografts. American Journal of Transplantation 4(1):694-701.

Forrest CB, Nutting PA, vonSchrader S, Rohde C, Starfield B (2006). Primary care physician specialty referral decision making: Patient, physician and health care system determinants. Medical Decision Making 26(1):76-85.

Ndovi TT, Choi L, Caffo B, Parsons T, Baker S, Zaho M, Rohde C, Hendrix CW (2006). Quantitative assessment of seminal vesicle and prostate drug concentrations by use of a noninvasive method. Clinical Pharmacology and Therapeutics 80(2):146-58.

Journal Articles (continued)

Guilarte TR, Chen MK, McGlothlan JL, Verina T, Wong DF, Zhou Y, Alexander M, Rohde CA, Syversen T, Decamp E, Koser aJ, Fritz S, Gonczi H, Anderson DW, Schneier JS (2006). Nigrostriatal dopamine system dysfunction and subtle motor deficits in manganese-exposed non-human primates. Experimental Neurology 202:381-390. .

Choi L, Caffo B, Rohde C (2007). Optimal Sampling Times in Bioequivalence Studies Using a Simulated Annealing Algorithm. Statistics and Computing 17: 337 – 347.

Ndovi T, Parsons T, Choi L, **Caffo B**, Rohde C, Hendrix C (2007). A New Method to Quantitatively Estimate Seminal Vesicle and Prostate Gland Contributions to Ejaculate. *British Journal of Clinical Pharmacology* 63: 404-420.

Strug LJ, Rohde C, Corey PN (2007). An introduction to evidential sample size. The American Statistician 61(3):1-5.

Choi L, **Caffo B**, Rohde C (2007). Optimal Sampling Times in Bioequivalence Studies Using a Simulated Annealing Algorithm. Statistics and Computing 17: 337 – 347.

Choi L, **Caffo B**, Rohde C, Ndovi T, Hendrix C (2007). A Mechanistic Latent Variable Model for Estimating Drug Concentrations in the Male Genital Tract. *Statistics in Medicine*. Published online, print version in press.

dosReis S, Johnson E, Steinwachs D, Rohde C, Skinner EA, Fahey M, Lehman AF (2008). Antipsychotic treatment patterns and hospitalization among adults with schizophrenia. Schizophrenia Research 101:304-311.

Wong DF, Kuwabara H, Schretlen DJ, Bonson KR, Zhou Y, Nandi A, Brasic J, Kimes AS, Maris MA, Kumar A, Contoreggi C, Links J, Ernst M, Rousset O, Zukin S, Grace AA, Rohde C, Jasinski DR, Gjedde A, London ED (2006). Increase occupancy of dopamine receptors in human striatum during cue-elicited cocaine craving. Neuropsychopharmacology.

Verina T, Rohde CA, Guilarte TR (2005). Granule cell neurogenesis of morphology are altered by lead (Pb²) exposure in early life. Submitted.

Guilarte TR, Chen MK, McGlortham JL, Alexander M, Zhou Y, Wong DF, Rohde CA, Schneider JS (2005). Neuroimaging of non-human primate brain following chronic manganese exposure. Submitted.

Theppeang K, Glass TA, Bandeen-Roche K, Todd AC, Rohde CA, Schwartz BS (2007). Sex and race/ethnicity differences in lead dose biomarkers: predictors of lead in blood, tibia, and patella in older, community-dwelling adults in an urban setting. Submitted to American Journal of Public Health, Research and Practice.

Manuscripts Under Preparation

Farfel M, Orlova A, Lees PSJ, Ashley P, Rohde C. An Evaluation of Maryland's Lead Risk Reduction in Housing Law based on Dust Lead Outcomes Following Mandatory Treatment.

Chapters

Rohde C (1968). Some special applications of generalized matrix inversions to statistics. Proceedings of the Symposium on Generalized Matrix Inversions, Texas Technological College, Publication No. 2.

Rohde C (1978). Batch, bulk and composite sampling in Satellite Program in Statistical Ecology, volume on Sampling Biological Populations. RM Cormack, GP Patil, DS Robson (eds.). International Cooperating Publishing House, pp.365-377.

Rohde C (1984). Statistical Considerations and Protocol Using Small Numbers of Animals. In Acute Toxicity Testing Alternative Approach. Edited by Alan M. Goldberg, Mary Ann Liebert, Inc.

Farfel MR and Rohde CA (1995). Determination of environmental lead, using compositing of house dust samples. In Lead Poisoning Exposure, Abatement and Regulation. Edited by Breen and Stroup. CRC Press, Inc.

December 27, 2007
March 5, 2008

CURRICULUM VITAE

Charles A. Rohde

Part II

TEACHING

DISSERTATIONS SUPERVISED

Saul Rosenberg, "Topics in Variance Component Estimation," PhD, Biostatistics, 1969.

Young Kim, "Some Estimation Problems in Branching Processes," PhD, Biostatistics, 1972.

Margaret Wu, "Asymptotic Behavior of Posterior Distributions and Bayes' Estimation for the Independent No Identically Distributed Case, PhD, Homewood Campus, 1973.

Paul Corey, "Contributions to the Theory of Two State Markov Chains," PhD, Biostatistics, 1975.

William Cumberland, "Dynamics of Populations with Ornstein-Uhlenbeck Vital Rates," PhD, Biostatistics, 1975.

William Dupont, "A Stochastic Method for Estimating Animal Abundance from Catch-Effort Data," PhD, Biostatistics, 1976.

Jeanette Yen Lee, "Likelihood Techniques for Discrete Distributions," PhD in Biostatistics, 1976.

Linda Pickle, "Methods for Likelihood Inference for the Relative Risk Function," PhD in Biostatistics, 1977.

Ellen J. MacKenzie, "Measuring Inter-Rater Reliability of Dichotomous Responses: A Components of Variance Approach," PhD, Biostatistics, 1979.

Mary M. Yurachek, "Estimation of the Safe Dose of a Carcinogen: A Comparison of Two Techniques," Sc.M., Biostatistics, 1980.

Bruce Thompson, "Dose Response Curve for Chemical Carcinogens: An Interaction Between Statistics and Toxicology." PhD in Biostatistics, 1981.

DISSERTATIONS SUPERVISED (continued)

Maureen G. Maguire, "Detecting Monotone Trend in Relative Odds in 2x2 Tables", PhD in Biostatistics, 1983.

Marie D. Diener, "Reaction Time Models - A Mixed Model and Bayesian Approach", PhD in Biostatistics, 1983.

Hubert A. Allen, Jr., "Methods of Estimating Neck Band Survival Analysis: Applied to Studies of the Tundra Swan (Cygnus Columbianus Columbianus)", ScM in Biostatistics, 1985.

Warren J. Strauss, "Marginal Models for Longitudinal Data - An Application to Soil Lead Abatement", ScM in Biostatistics, 1993.

Jingyee Kou "A Predictive Spatial-Temporal Model for Boreal Forest Succession," PhD in Biostatistics, 2000

Lisa Strug "A Four Plot Method for Determining Sample Size," ScM, Biostatistics, 2001

Wesley D. Eddings, "Topics in the Philosophy of Statistics: Methods, Data and Theory," PhD, Biostatistics, 2003

Amanda L. Blackford, "Likelihood Models for Smoking Rates in Different National Groups," Sc.M., Biostatistics, 2003

Lisa Strug "Evidential Sample Size," PhD, Biostatistics, 2003

Ravi Varadhan "The Role of the Design Analysis, and Computation in Addressing Etiology in Three Types of Public Health Studies," PhD, Biostatistics, 2004

Kathryn Ziegler "Exploratory Inference," PhD, Biostatistics, 2007

PRELIMINARY ORAL EXAMINATIONS

Raymond Chambers, Ph.D, Biostatistics, 1981

Karin Johnson, Dr.PH, Maternal and Child Health, 1982

Donna Parker, Sc.D, Maternal and Child Health, 1982

Patricia St.Clair, Sc.D, Maternal and Child Health, 1983

Margaret Connolly, Ph.D, Biostatistics, 1985

Diouratie Sanogo, Ph.D, Population Dynamics, 1985

John Quinley, Dr.PH, International Health, 1986

Myron Waclawiw, Ph.D, Biostatistics, 1987

Ying Huang, Ph.D, Biostatistics, 1989

Tsung-Shan Tsou, Ph.D, Biostatistics, 1989

Patricia Newman, Sc.D, Health Policy Management, 1989

PRELIMINARY ORAL EXAMINATIONS (continued)

Yue-Cune Chang, Ph.D, Biostatistics, 1989
 Ghulam Soomro, Sc.D, Population Dynamics, 1990
 Yutaka Yasui, Ph.D, Biostatistics, 1991
 Beverly Mellen-Harrison, Ph.D, Biostatistics, 1992
 Stirling Hilton, PhD, Biostatistics, 1992
 Josephine Bowdler, Dr. PH. International Health, 1993
 Hui-Chu Lang, PhD, Health Policy & Management, 1995
 Chuanfa Guo, PhD, Biostatistics, 1995
 Abhik Das, PhD, Biostatistics, 1997
 Colleen Carpenter, PhD, International Health, 2004
 Agbessi Amouzou, PhD, Population & Family Health Sciences
 Kathryn Ziegler, PhD, Biostatistics, 2004
 Liwei Chen, PhD, International Health, 2006

FINAL ORAL EXAMINATIONS/THESIS

Saul H. Rosenberg, PhD, Biostatistics, 1969
 Young Kim, PhD, Biostatistics, 1972
 Margaret Wu, PhD, Mathematical Sciences, Homewood, 1973
 Paul Corey, PhD, Biostatistics, 1974
 William G. Cumberland, PhD, Biostatistics, 1975
 Jeanette Yen Lee, PhD, Biostatistics, 1976
 William Dupont, PhD, Biostatistics, 1976
 Linda Pickle, PhD, Biostatistics, 1977
 Ellen MacKenzie, PhD, Biostatistics, 1979
 Phyllis Giovannetti, Sc.D, Health Policy and Management, 1981
 David Ross, Sc.D, Health Policy and Management, 1981
 Raymond Chambers, Ph.D, Biostatistics, 1982
 Bruce Thompson, Ph.D, Biostatistics, 1982
 Marie Diener, Ph.D, Biostatistics, 1983
 Maureen Maguire, Ph.D, Biostatistics, 1983
 Monique G. Julien, Dr. PH, Health Policy and Management, 1985
 William J. Huster, Ph.D, Biostatistics, 1984
 Peter Lees, Ph.D, Environmental Health Sciences, 1985
 Hubert Allen, Sc.M, Biostatistics, 1985
 Mohammed R. Karim, Biostatistics, 1986
 Tippavan Nagachinta, Dr.PH, Epidemiology, 1986
 Elizabeth Grossman, Ph.D, Biostatistics, 1986
 Margaret Connolly, Ph.D, Biostatistics, 1987
 Myron Waclawiw, Ph.D, Biostatistics, 1989
 Lynn Onstad, Sc.M, Biostatistics, 1989
 Patricia Hart Neuman, Sc.D, 1993
 Ying Huang, Ph.D, Epidemiology, 1993

FINAL ORAL EXAMINATIONS/THESIS (continued)

Warren Strauss, Sc.M, Biostatistics, 1993
 Patricia Ann Stewart, Ph.D, Epidemiology, 1994
 Jennifer Reimers Schroeder, Sc.M, Biostatistics, 1995
 Beth Melton, Ph.D, Biostatistics, 1995
 Linda Gambone, PhD, Environmental Health Sciences, 1995
 Susan Gross, PhD, Maternal and Child Health, 1995
 Jana Kesavanathan, PhD, Environmental Health Sciences, 1995
 Itziar Larizgoitia, Dr. PH, Health Policy & Management, 1996
 Ling Wu, Ph.D, Population Dynamics, 1996
 John Robinson, PhD, Health Policy and Management, 1996
 Theodore Paul Chiappelli, PhD, Health Policy & Management, 1996
 Anthony Tucker, PhD, Health Policy & Management, 1996
 Yen-Hong Kuo, Sc.M, Biostatistics, 1996
 Paul J. Rathouz, PhD, Biostatistics, 1997
 Wenchi Liang, PhD, Health Policy & Management, 1997
 Firas Mourtada, PhD, Environmental Health Sciences, 1997
 Paul A. Locke, DrPh, Environmental Health Sciences, 1997
 Ta-Chun Lin, PhD, Environmental Health Sciences, 1997
 Abik Das, PhD, Biostatistics, 1998
 Chuanfa Guo, PhD, Biostatistics, 1998
 Sarah Gray, PhD, Biostatistics, 1998
 Wiroj Jiamjarasrangsri, PhD, Epidemiology, 1998
 Akiko Maeda, PhD, Health Policy & Management, 1999
 Carolyn F. Masters, PhD, 1999
 Mary Mahy, Sc.D., 1999
 Jill Suzanne Litt, PhD, Health Policy & Management, 2000
 Chandan Manikonda Sasty, Ph.D, Environmental Health Sciences, 2000
 Patricia Robbins Roebuck, PhD, Environmental Health Sciences, 2000
 Zaruhi V. Babayan, PhD, Epidemiology, 2000
 Anita Chen, Sc.M., Biostatistics, 2000
 Jingyee Kou, PhD, Biostatistics, 2000
 Aleks Stefaniak, PhD, Environmental Health Sciences, 2000
 Wiroj Jiamjarasrangsri, PhD, Epidemiology, 2001
 Victor Shih-Kuang Fan, PhD, 2001
 Lisa Strug, Sc.M., Biostatistics, 2001
 Ming-Yu Fan, Biostatistics, 2002
 Desmond I Bannon, Environmental Health Sciences , 2002
 Christine S. Vogeli, PhD, Health Policy & Management, 2003
 Wesley D. Eddings, PhD, Biostatistics, 2003
 Amanda L. Blackford, Sc.M., Biostatistics, 2003
 Lisa Strug, PhD, Biostatistics, 2003, University of Toronto
 Aleksandr B. Stefaniak, PhD, Environmental Health Sciences, 2003
 Lisa Marie Sacco, PhD, International Health, 2003

FINAL ORAL EXAMINATIONS/THESIS (continued)

William Alexander, PhD, Environmental Health Sciences, 2004
 James J. McDevitt, PhD, Environmental Health Sciences, 2004
 Ravi Varadhan, PhD, Biostatistics, 2004
 Ana Marie Rule, PhD, Environmental Health Sciences, 2005
 Agbessi Amouzou, PhD, Population and Family Health, 2006
 Michael E. Mussolino, PhD, Epidemiology, 2006
 Agbessi Amouzou, PhD, Population and Family Health Sciences, 2006
 Jinhee Bae, PhD, Environmental Health Science, 2006
 Kathryn Ziegler, PhD, Biostatistics, 2006
 Keson Theppeang, PhD, Environmental Health Sciences, 2007
 Liwei Chen, Ph.D., International Health, 2007

Classroom Instruction (since 1981)1981-1982

Biostatistics	14A,B15	Introduction to Probability
Biostatistics	14A,B16	Introduction to Statistic
Pathobiology	526(A,B)05	*Biostatistics 23 Quantitative Ecology
Biostatistics	14A,B,C25	Statistical Theory

1982-1983

Biostatistics	14A,B15	Introduction to Probability
Biostatistics	14A,B16	Introduction to Statistic
Biostatistics	14A33	Design of Experiments

1983-1984

Biostatistics	14A,B15	Introduction to Probability
Biostatistics	14A,B16	Introduction to Statistic
Biostatistics	14A33	Design of Experiments

1984-1985

Biostatistics	14B02	Intermediate Biostatistics
Biostatistics	14A,B15	Introduction to Probability
Biostatistics	14A,B32	Advanced Linear Models I and II

1985-1986

Biostatistics	14A,B15	Introduction to probability
Biostatistics	14A,B32	Advanced Linear Models I & II
Applied Physics Laboratory 62.721		Probability/Stochastic Process

Classroom Instruction (continued)1986-1987

Biostatistics	140.602.01-03	Biostatistical Analysis
Biostatistics	140.732.01-02	Advanced Linear Models I & II

1987-1988

Biostatistics	140.602.01-03	Biostatistical Analysis
Biostatistics	140.732.01-02	Advanced Linear Models I & II
Applied Physics Laboratory	62.721	Probability/Stochastic Process

1988-1989

Biostatistics	140.602.01-03	Biostatistical Analysis
Biostatistics	140.732.01-02	Advanced Linear Models I & II
Applied Physics Laboratory	62.726	Theory of Statistics II

1989-1990

Biostatistics	140.601.02	Basic Biostatistics-Inference
Biostatistics	140.732.01-02	Advanced Generalized Linear Models I and II
Montgomery Co.	145.601	Introduction to Biostatistics
Montgomery Co.	140.601	Basic Biostatistics-Inference

1990-1991

Biostatistics	140.602	Basic Biostatistics-Inference
Biostatistics	140.603	Basic Biostatistics - Statistical Modelling
Biostatistics	140.605	Basic Biostatistics-Statistical Models in Biology
Biostatistics	140.750-751	Advanced Generalized Linear Models I and II
Montgomery Co.	140.602	Basic Biostatistics

1991-1992

Biostatistics	140.603	Basic Biostatistics
Biostatistics	140.605	Basic Biostatistics - Statistical Modelling in Biology
Biostatistics	140.643	Applied Multivariate Statistics I
Montgomery Co.	140.603	Basic Biostatistics - Statistical Modelling

Classroom Instruction (continued)1992-1993

Biostatistics 140.603
 Biostatistics 140.643
 Biostatistics 140.680
 Biostatistics 140.681

Statistical Modelling
 Applied Multivariate Statistics I
 Introduction to Probability I
 Introduction to Probability II

1993-1994

Biostatistics 140.602
 Biostatistics 140.603
 Biostatistics 140.643
 Montgomery Co.140.603

Basic Biostatistics-Inference
 Basic Biostatistics - Statistical Modelling
 Applied Multivariate Statistics I
 Basic Biostatistics - Statistical Modelling

1994-1995

Biostatistics 140.602
 Biostatistics 140.603
 Montgomery Co.140.603

Basic Biostatistics-Inference
 Basic Biostatistics - Statistical Modelling
 Basic Biostatistics - Statistical Modelling

1995-1996

Biostatistics 140.603
 Biostatistics 140.643
 Biostatistics 140.644
 Biostatistics 140.750
 Biostatistics 140.751
 Montgomery Co.140.601
 Montgomery Co.140.602
 Montgomery Co.140.603

Basic Biostatistics - Statistical Modelling
 Applied Multivariate Statistics I
 Applied Multivariate Statistics II
 Advanced Generalized Linear Models I
 Advanced Generalized Linear Models II
 Introduction to Biostatistics
 Basic Biostatistics-Inference
 Basic Biostatistics-Statistical Modelling

1996-1997

Biostatistics 140.750
 Biostatistics 140.751
 Montgomery Co.140.601
 Montgomery Co.140.602
 Montgomery Co.140.603

Advanced Generalized Linear Models I
 Advanced Generalized Linear Models II
 Introduction to Biostatistics
 Basic Biostatistics-Inference
 Basic Biostatistics-Statistical Modelling

1997-1998

Biostatistics 140.603
 Biostatistics 140.604

Basic Biostatistics - Statistical Modelling
 Basic Biostatistics - Observational Studies

Classroom Instruction (continued)1998-1999

Biostatistics	140.751	Advanced Generalized Linear Models I
Biostatistics	140.752	Advanced Generalized Linear Models II
Biostatistics	140.653	Methods in Biostatistics III
Biostatistics	140.654	Methods in Biostatistics IV

1999-2000

Biostatistics	140.751	Advanced Generalized Linear Models I
Biostatistics	140.752	Advanced Generalized Linear Models II
Biostatistics	140.653	Methods in Biostatistics III
Biostatistics	140.654	Methods in Biostatistics IV

2000-2001

Biostatistics	140.751	Advanced Generalized Linear Models I
Biostatistics	140.752	Advanced Generalized Linear Models II
Biostatistics	140.653	Methods in Biostatistics III
Biostatistics	140.654	Methods in Biostatistics IV

2001-2002

Biostatistics	140.751	Advanced Generalized Linear Models I
Biostatistics	140.752	Advanced Generalized Linear Models II
Biostatistics	140.653	Methods in Biostatistics III
Biostatistics	140.654	Methods in Biostatistics IV

2002-2003

Biostatistics	140.751	Advanced Generalized Linear Models I
Biostatistics	140.752	Advanced Generalized Linear Models II
Biostatistics	140.773	Foundations of Statistics I

2003-2004

Biostatistics	140.671	Introduction to Probability I
Biostatistics	140.672	Introduction to Probability II
Biostatistics	140.774	Foundations of Statistics II

Classroom Instruction (continued)

2004-2005

Biostatistics	140.671	Introduction to Probability I
Biostatistics	140.672	Introduction to Probability II
Biostatistics	140.774	Foundations of Statistics II

2005-2006

Biostatistics	140.671	Introduction to Probability I
Biostatistics	140.647	Essentials of Biostatistics II
Biostatistics	140.648	Essentials of Biostatistics III
Biostatistics	140.774	Foundations of Statistics II

2006-2007

Biostatistics	140.648	Essentials of Probability & Statistical Inference III
Biostatistics	140.649	Essentials of Probability & Statistical Inference IV
Biostatistics	140.774	Foundations of Statistics II

2007-2008

Biostatistics	140.671	Introduction to Probability I
Biostatistics	140.672	Introduction to Probability II
Biostatistics	140.648	Essentials of Probability & Statistical Inference III
Biostatistics	140.649	Essentials of Probability & Statistical Inference IV

RESEARCH GRANT PARTICIPATION/CURRENT

“Microcredit and Health Services Experiment in Bangladesh” 06/01/06 – 5/31/10

NICHD

(Becker, S), 8%

The major goals of this project are to test the relative effects of separately and jointly introducing micro-credit and essential health services package interventions on women’s empowerment and use of preventive health services in groups of villages in central Bangladesh.

Role: Co-investigator

RESEARCH GRANT PARTICIPATION/CURRENT (continued)

“Promoting Child Mental Health: RCT of Home Visiting” 05/26/00-03/31/08

NIH/NIMH

Duggan AK, 5%

The goal of this research is to assess, through continuation of a randomized trial of a statewide program, the effectiveness of early home visitation of at-risk families in promoting school readiness and academic achievement in the critical first years of school.

Role: Co-investigator

“Mechanisms of Preferential Motor Reinnervation” 04/01/03-03/31/08

NIH/NINDS

T. Brushart, 5%

To examine mechanism of preferential motor reinnervation in the nervous system.

Role: Co-investigator

“Mechanisms of Accelerated Graft Arteriosclerosis” 05/01/03-04/30/08

NIH/NHLBI

A1 Baldwin, 10%

This program project investigates mechanisms of chronic rejection in heart transplants. Both human specimens and animal models are studied.

Role: Co-investigator

“Restless Legs Syndrome-The Iron-Dopamine Connection” 06/15/04-05/31/09

NIH/NIA

Earley, C.J, 10%

This is composed of 4 projects and 3 cores. Treatment of RLS patients with IV iron is one project. PET scan assessment of dopaminergic function on RLS patients is the second project. An assessment of iron and dopamine in the brain using animals to model RLS, as well as brain autopsy material from RLS patients are the third and fourth projects.

Role: Co-investigator

“Mechanisms of Dopamine and Serotonin in Tourette Syndrome” 07/01/06-06/30/11

NIMH

Wong D, 5% Examine dopamine and serotonin aspects of Tourette Syndrome

Role: Co-investigator

RESEARCH GRANT PARTICIPATION/PREVIOUS

1 R21 DA16182-02 09/01/04-08/31/07
 NIH/NIDA (R33 Portion)
 (Mathews W), 5%
 Development of PET Radioligands for Glutamate
 The goal of this project is to develop radioligands for imaging glutamate receptors.
 Co-investigator

5R01AA012837-03 07/01/02-03/31/07
 NIH/NIAAA
 (McCaul, E), 5%
 Dopamine: Alcohol Risk and Sensitivity
 Role: Co-investigator

5R01AA012837-03 07/01/02-03/31/07
 NIH/NIAAA
 (McCaul, E), 5%
 Dopamine: Alcohol Risk and Sensitivity
 Role: Co-investigator

Molecular & Behavioral Effects of Low Level Mn Exposure 02/18/02-11/30/06
 NIEHS
 (T. Guilarte), 5%
 Examine effects of Mn exposure on brain function in human primates.
 Co-investigator

P60MD00214 09/28/02-08/31/07
 NIH/NCMHHD
 (LaVeist T), 5%
 Center for Health Disparities
 This is a proposal to establish the Morgan-Hopkins Center for Health Disparities Studies.
 Role: Co-investigator

1R01ES1097501 02/18/02-11/30/06
 NIH/NIEHS
 (T. Guilarte), 5%
 Molecular & Behavioral Effects of Low Level Mn Exposure
 Examine effects of Mn exposure on brain function in human primates.

“Hypothalamic-Pituitary-Adrenal Axis and Alcoholism,” 08/01/00-04/30/05, NIH
 (Wand G), 5%
 This study tests the hypothesis that stress-induced cortisol production is correlated with mesolimbic dopamine release within the brain reward pathway.
 Co-investigator

RESEARCH GRANT PARTICIPATION/PREVIOUS (continued)

“Promoting Child Mental Health: RCT of Home Visiting,” 04/01/02-03/31/05, NIMH (Duggan AK), 5%

The goal of this research is to assess, through continuation of a randomized trial of a statewide program, the effectiveness of early home visitation of at-risk families in promoting school readiness and academic achievement in the critical first years of school.

Co-investigator

“Imaging Dopamine Release/Endocrine Changes in Alcoholism,” 09/01/01-08/31/05, NIAAA (Wong), 5%

To learn more about the genetic and environmental risk factors for alcoholism

Co-investigator

“Analysis of the Cardiac Access Study,” 04/01/02-03/31/04

AHRQ

(LaVeist R), 15%

The present study seeks support to use a unique data source designed to address the issue of race disparities in access and utilization of coronary angiography. The purpose of the Center is to conduct community-based participatory research and community health programming with the goal of eliminating health disparities.

Co-investigator

PRESENTATIONS

Invited Presentations

“Teaching Likelihood Methods in Statistics,” August 20, 2003, Berlin, Germany

ADDITIONAL INFORMATION

Foundations of statistical inference: profile likelihood, indirect likelihood, objective Bayes connections

Keywords: foundations of statistical inference, likelihood applications